

Documentation to Amend Drinking Water Health Advisory in Zone D2

Joint Base Pearl Harbor Hickam (JBPHH)
O‘ahu, Hawai‘i

Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

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Line of Evidence 0

Introduction

DOH Checklist to Amend the Public Health Advisory in Flushing Zone D2



Zone D2 Checklist to Amend the Public Health Advisory initiated November 29, 2021 for Joint Base Pearl Harbor -Hickam Public Water System No. 360 HEER Incident Case No.: 20211128-1848

Purpose: This checklist identifies the documentation and review that the Hawaii Department of Health (DOH) conducted to **amend** the Public Health Advisory (Advisory) in each Zone under the *DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory*, dated December 30, 2021. This review was conducted as an oversight role in addition to the review conducted as a part of the Interagency Drinking Water System Team (IDWST).

DOH's priority is to protect the public health and environment of the people of Hawaii. DOH will evaluate the "lines of evidence" that must be met before amending the health advisory and issuing notices that the water can be used for all purposes including drinking. The Navy must also commit to following the long-term monitoring (LTM) of system water quality for this incident under the IDWST Drinking Water Sampling Plan, as amended.

Background: A chemical release of petroleum, which is a hazardous substance, entered the Joint Base Pearl Harbor-Hickam (JBPHH) drinking water distribution system and the Red Hill Shaft. This release triggered an

emergency response and DOH issuance of an Advisory on November 29, 2021 for the entire JBPHH Public Water System No. 360. State and Federal Drinking Water (DW) Maximum Contaminant Levels (MCLs) under the Safe Drinking Water Act do not adequately address petroleum contamination of drinking water. DOH has established Environmental Action Levels (EALs) and Incident Specific Parameters (ISPs) to more comprehensively monitor and respond to petroleum contaminated drinking water. Any contaminants that exceed the State and Federal DW MCLs, EALs, or ISPs require additional action prior to amending the Advisory. Satisfaction of the lines of evidence will be achieved by evaluating the data generated during the investigation conducted by the IDWST. The data will be assessed for each Zone of the Drinking Water Distribution System Recovery Plan. All lines of evidence will require documentation.

DOH Project Screening Levels: State and Federal Drinking Water MCLs, specified State EALs, and ISPs are considered in development of Project Screening Levels. The actions for the thresholds for each contaminant are listed in *DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory*.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone D2



Objective 0 - Introduction to Lines of Evidence Under Evaluation / Document Summary

Reference	Status	Documentation
Tab 0	Complete	DOH Checklist to Amend the Drinking Water Health Advisory.
Tab 0.1	Complete	<ul style="list-style-type: none"> Executive Summary Memo for Zone D2 Removal Action Report Signed statement by the Owner/Operator Representative of the Water System, that asserts that all lines of evidence have been met, including the following statement with a signature: "I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the submitted information is true, accurate, and complete."

Objective 1a – Line of Evidence: Reported sources of contamination are isolated and contained.

Incident Specific Criteria - Contamination from **Red Hill Shaft** is isolated from Navy's water distribution system.

Reference	Status	Documentation
Tab 1a.0	Complete	Executive Summary Memo.
Tab 1a.1	Complete	Memorandum for Record documenting that the Red Hill Shaft has been physically disconnected from the NAVFAC system.
Tab 1a.2	Complete	Memo for Record showing SCADA data that Waiawa Shaft is the single source of water for the NAVFAC system since 03 December 2021.
Tab 1a.3	Complete	Photograph of concrete blocking between air gapped isolation flanges.

Objective 1b – Line of Evidence: The regulated public water system's water quality data is compliant.

Incident Specific Criteria - Data does not exceed Federal DW MCLs, specified State EALs, and ISPs for **Waiawa Shaft (only source of the drinking water)**.

Reference	Status	Documentation
Tab 1b.0	Complete	Executive Summary Memo.
Tab 1b.1	Complete	<ul style="list-style-type: none"> Sample Results for Waiawa Shaft (the source) taken 1/13/2022 Level 4 Validated Laboratory Report for EPA Methods 8260 (VOCs), 8270 (SVOCs), 8015 (TPH-G, TPH-D, TPH-O) plus Tentatively Identified Compounds (TICs) Level 4 Validated Laboratory Report for EPA Methods 8260 (VOCs), 8270 (SVOCs), 8015 (TPH-G, TPH-D, TPH-O) plus Tentatively Identified Compounds (TICs) Sample Results of Waiawa Shaft Entry Point (after treatment) taken 1/11/2022 Level 4 Validated Laboratory Report for Sampling Plan Addendum 1, Table 3a: Distribution Sampling (Step 2b) Summary Drinking Water Analytical Methods, Analytes, Action Levels, and Method Detection Limits Level 4 Validated Laboratory Report for Sampling Plan Addendum 1, Table 3a: Distribution Sampling (Step 2b) Summary Drinking Water Analytical Methods, Analytes, Action Levels, and Method Detection Limits

DOH Checklist to Amend the Public Health Advisory in Flushing Zone D2



Objective 1c – Line of Evidence: No additional contamination through the distribution system is occurring.

Incident Specific Criteria - Cross Connection Control investigation shows distribution system is protected, resulting in no additional sources of contamination.

Reference	Status	Documentation
Tab 1c.0	Complete	Executive Summary Memo.
Tab 1c.1	Complete	<p>Certificate Regarding Cross-Connection Control Review and Confirmation – Zone D2, verifying that building and service connections with petroleum activities are protected from backflow risks with the following documentation:</p> <ul style="list-style-type: none"> A “gap analysis” of the petroleum related activities versus appropriate device inventory (i.e., inappropriate device, missing Cross-Connection Control protection, untested device, etc.). A map that includes: All facilities with petroleum activities; locations of existing backflow prevention devices; and Water system infrastructure. An inventory database: A list of petroleum-related activities and identified appropriate cross connection control (CCC) devices at these activities, as required, i.e., if there was human consumptive use and where cross connection potential or hazard was identified.
Tab 1c.2	Complete	COMNAVREG HAWAII INSTRUCTION 11330.2D, dated 19 Sep 2016, Backflow Prevention and Cross-Connection Control Program

Objective 2a – Line of Evidence: Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and

ISPs.

Incident Specific Criteria –

- Zone flushing plan demonstrates entire distribution system is flushed.
- Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
- Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Reference	Status	Documentation
Tab 2a.0	Complete	Executive Summary Memo.
Tab 2a.1	Complete	<p>Memorandum for the Record of the Distribution System Recovery Plan Addendum – Zone D2 Analysis which includes:</p> <ul style="list-style-type: none"> Hydraulic model that exhibits and flushing line map(s) and plan to show that the flushing approach will achieve directional flushing. A one-page high resolution zonal flushing map should be provided. Narrative of assumptions in the development of their flushing model inclusive of any simulations that they ran.
Tab 2a.2	Complete	Summary with documentation from Dr. Whelton discussing flushing goals providing validity of volumetric exchange model.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone D2



Objective 2a – Line of Evidence: Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Zone flushing plan demonstrates entire distribution system is flushed.
- Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
- Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Reference	Status	Documentation
Tab 2a.3	Complete	Identification of consecutive flushing zones and flushing phasing order. Time based contaminant slug model showing possible migration of contaminant from Red Hill Shaft used to identify zones requiring additional volumetric flushing (Hydraulic Model)
Tab 2a.4	Complete	Table showing volumetric goals and recorded flushing volumes that occurred in the field for the distribution system.
Tab 2a.5	Complete	Certification of Water Storage Facilities and Water Source for Zone D2 with Water Storage Tanks S1 and S2 Flushing Report.
Tab 2a.6	Complete	<ul style="list-style-type: none"> • Distribution System Exceedance Investigation Summary and Results. • Drinking Water Distribution System Recovery Plan: Stage 2 Sampling Results for Zone D2, JBPHH.

Objective 2b – Line of Evidence: Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.
- Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing.
- Sample results show water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Reference	Status	Documentation
Tab 2b.0	Complete	Executive Summary Memo.
Tab 2b.1	Complete	Records of Completed Residential and Non-Residential Flushing Zone D2 with: <ul style="list-style-type: none"> • EDMS Residential Flushing Records Zone D2 • EDMS Non-Residential Flushing Records Zone D2 • NAVFAC SCADA Data Zone D2 28 Dec 2021 to 12 Jan 2022 (for the Distribution System pressure logs during flushing and confirmation that the 30 psi within the distribution system was maintained).
Tab 2b.2	Complete	Sample Results, Level 2 and Level 4 Validated as required by Sampling Plan Section 6.0, report from EDMS.
Tab 2b.3	Complete	Exceedance Investigation Summary and Results Zone D2.
Tab 2b.4	Complete	Memorandum for Record showing that irrigation flushing is complete.

DOH Checklist to Amend the Public Health Advisory in Flushing Zone D2



Objective 2b – Line of Evidence: Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.		
Incident Specific Criteria –		
<ul style="list-style-type: none"> Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system. Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing. Sample results show water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. 		
Reference	Status	Documentation
Tab 2b.5	Complete	DOH Guidance for Active Irrigation Line Purging and Flushing

March 3, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE D2 REMOVAL ACTION REPORT

Ref: (a) Drinking Water Sampling Plan, December 2021
(b) Drinking Water Distribution System Recovery Plan, December 2021
(c) Single Family Home Flushing Plan Checklist and Standard Operating Procedures, December 23, 2021
(d) Non-Residential Facility Flushing Plan Checklist and Standard Operating Procedures, January 4, 2022
(e) DOH's Guidance on the Approach to Amending the Drinking Water Health Advisory, December 30, 2021; HEER Incident Case No.: 20211128-1848
(f) DOH Checklist to Amend the Drinking Water Health Advisory

Encl: (1) Zone D2 Removal Action Report

1. The enclosed report documents completion of the requirements outlined in references (a) through (f). This is in response to HEER Incident Case No.: 20211128-1848 involving the Joint Base Pearl Harbor Hickam (JBPHH) Public Water System No. 360.

2. On the 20th of November, a spill of jet fuel, specifically JP-5 jet fuel, occurred at the Red Hill Bulk Fuel Storage Facility in an access tunnel that provides fire suppression and service lines for the facility. The fuel spill was cleaned up and, on the 23rd of November, Admiral Paparo, directed an independent investigation of the spill event, and ordered the investigating officer to also determine any connection between the 20 November event and the spill that occurred earlier this year, on the 6th of May. The results of the investigation are pending public release.

On the 27th of November, the Commander, Navy Region Hawaii, RDML Tim Kott, met with the Fleet Logistics Center Commander, who operates The Red Hill Fuel Storage Facility for the Navy, and they jointly made the decision to stop Red Hill Tank fuel transfer operations based on the ongoing investigation into the recent spills.

On Sunday, the 28th of November, the JBPHH HQs and Hawaii Department of Health (HDOH) began receiving phone calls from military residents reporting a chemical or petroleum taste and smell to the water on the Navy's drinking water system. As more calls were received, it became clear that the reports were clustered around neighborhoods fed by the Red Hill Shaft Well, so the Navy, on the evening of the 28th of November, shut down that well and stood up the Region's Emergency Operations Center to handle the issue. As more calls continued to come in of contaminated water over the next 24 hours, Admiral Paparo, as the senior Navy commander in Hawaii, ordered the establishment of a Joint Crisis Action Team on the 29th of November. The Navy immediately began flushing its potable water distribution system.

On December 8, 2021, HDOH issued Directive One which provided requirements for flushing of the Navy Water System. The Navy began working with HDOH and the U.S. Environmental Protection Agency (EPA) to meet the requirements of this directive and resume flushing of the potable water system.

On December 17, 2021, HDOH, the U.S. Navy, the U.S. Army and EPA established an Interagency Drinking Water System (IDWS) Team to restore safe drinking water to affected JBPHH housing communities. The working group was established to ensure that the agencies were coordinated in actions to restore safe drinking water to Navy water system users and that they had a clear, coordinated source of information as work continued to restore safe drinking water. On the same day, the U.S. Navy, U.S. Army, HDOH, and the EPA jointly signed the Water Distribution System Recovery Plan agreement. The signing of this plan was the second work product of the IDWS Team, which is focused on efficiently and effectively restoring safe drinking water to JBPHH military housing communities. Earlier in that week, the team jointly signed the Drinking Water Sampling Plan.

The flushing of the water distribution lines resumed on December 20, 2021. Residence and non-residence facilities were flushed and sampled after the completion of flushing and testing of the distribution system of a specific Zone. This report specifically documents the requirements outlined in references (a) through (f) for Zone D2.

3. The removal action report (RAR) for Zone D2 documents two specific lines of evidence necessary to amend the drinking water health advisory for Zone D2 as provided by HDOH. The two lines of evidence under evaluation included:

- i. Ensure no contamination is entering the water system.
- ii. Ensure no contamination remains in the system and water chemistry concerns are addressed.

Each line of evidence has several objectives with specific lines of evidence and incident specific criteria required to be met. Achievement of the criteria will be described and supported with documentation in the subsequent sections of the RAR.

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL.WAYNE.JR. Digitally signed by
MENO.MICHAEL.WAYNE.JR. 1088310035
Date: 2022.03.03
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M. W. Meno
Captain, U.S. Navy Civil Engineer Corps



Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

Line of Evidence 1a

All Reported Sources of Contamination Are Isolated and Contained

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1a - All reported sources of contamination are isolated and contained.

Incident Specific Criteria - Contamination from **Red Hill Shaft** is isolated from Navy's water distribution system.

Lines of Evidence	Completion Status	Outstanding Items
Navy confirmation that Red Hill Shaft is isolated from the Navy's water distribution system.	Complete.	<ul style="list-style-type: none">• None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1A – ALL REPORTED SOURCES OF CONTAMINATION ARE ISOLATED AND CONTAINED

Encl: (1) 1a.1 Memorandum for Record with Isolation Date
(2) 1a.2 Summary of Operator Logs and SCADA Data
(3) 1a.3 Photograph of Concrete Blocking Between Air Gapped Isolation Flanges

1. Enclosures (1), (2), and (3) document completion of Line of Evidence objective 1a, all reported sources of contamination are isolated and contained. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source. The Red Hill Shaft discharge pipes were physically re-arranged and encased in concrete on December 24, 2021 as shown in Enclosure (1) and (3), thereby isolating the system as required by Line of Evidence 1a. The Supervisory Control and Data Acquisition (SCADA) data in Enclosure (2) shows the previous statement to be true. All reported sources of contamination are isolated and contained.

2. The Red Hill Shaft pumps are now being used to control the spread of contamination by creating a capture zone in the aquifer by pumping to a 5 million gallons/day Granular Activated Carbon (GAC) system which discharges into the Halawa Stream. The new piping from the pumps to the GAC treatment came from the 20" header where the 20x24 reducer was removed on 24 DEC 2021. A thrust block was poured at this location around the existing blinded wye fitting as shown in Enclosure (3).

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOPHE
R.JAMES.1540194862

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Date: 2022.02.19 12:23:47 -08'00'

C. J. Wetzel
LT, CEC, USN

04 JANUARY 2022

MEMORANDUM FOR RECORD

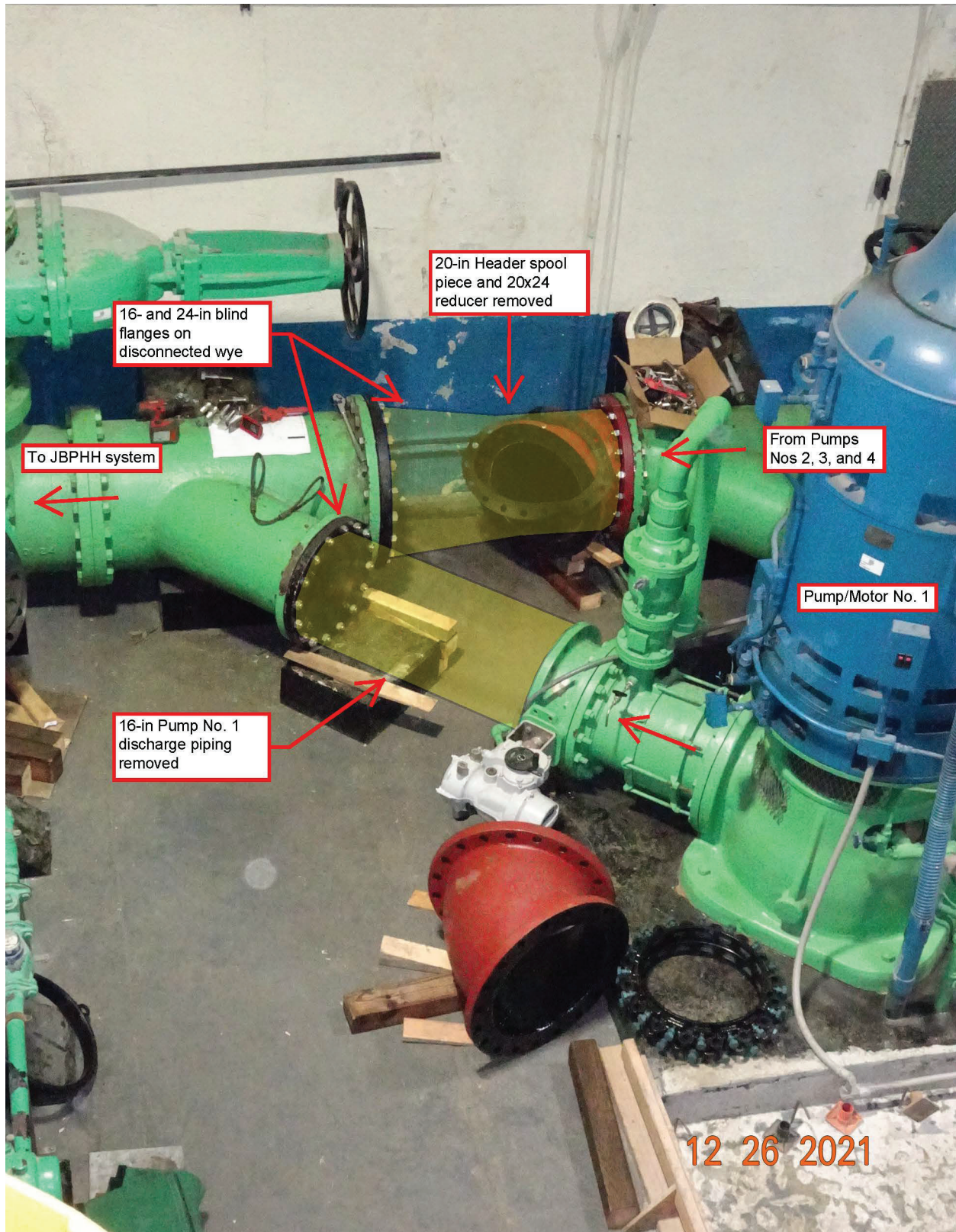
SUBJECT: Red Hill Potable Water Pumping Station

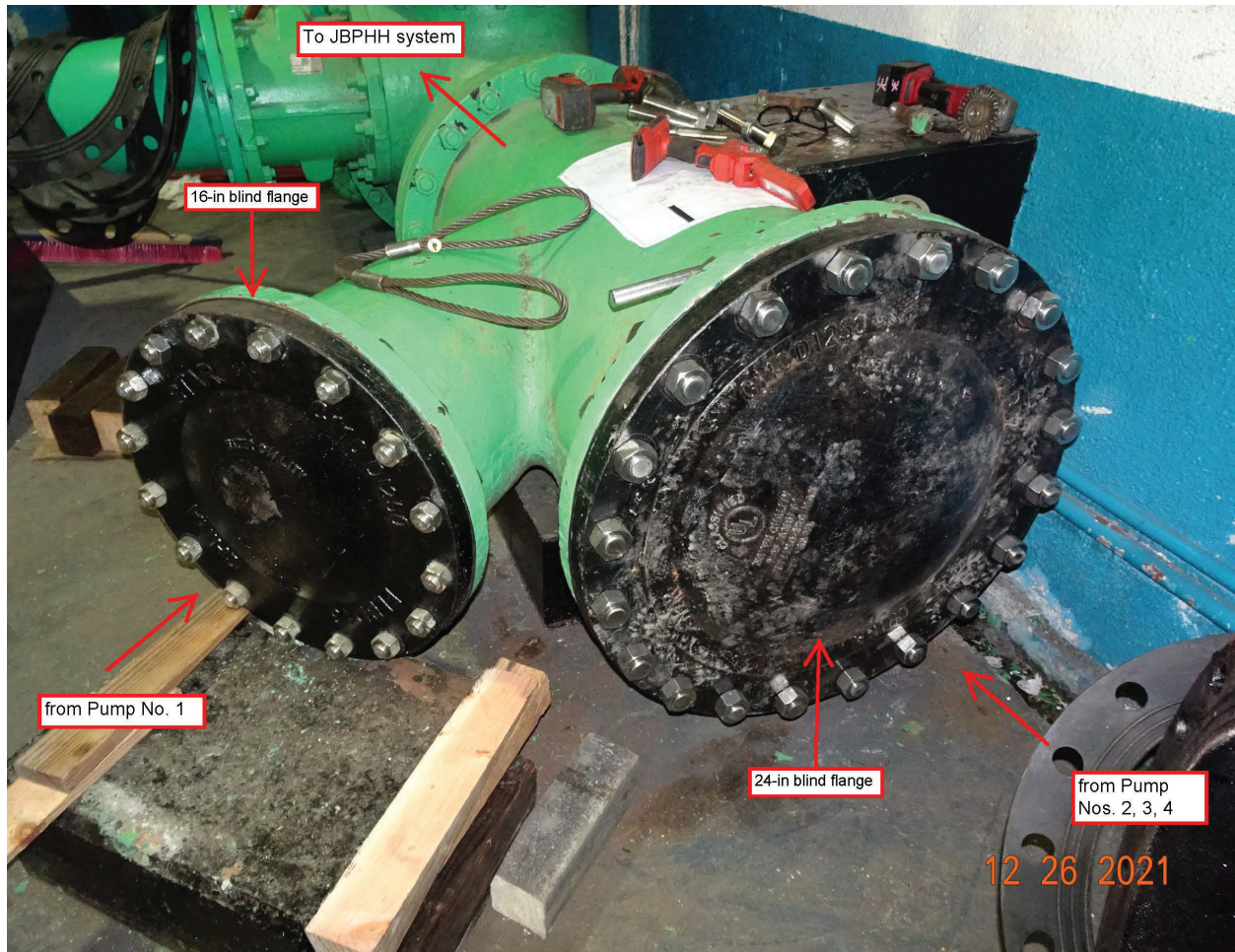
ENC: (1) Red Hill Pump Station Photographs, Post Pump Isolation dated 12/26/2021
(2) JBPHH Potable Water LOTO Log

1. This Memorandum For Record (MFR) is to document the Red Hill Shaft pump status in relation to the Joint Base Pearl Harbor Hickam Potable Water System.
2. In response to fuel contaminants found in the Red Hill Shaft aquifer/development tunnel, the main Red Hill Pumping Station pumps were secured from the Potable Water system. On 3 December 2021, all four Red Hill pumps were electrically Locked Out, Tagged Out (LOTO), see Enclosure (2). (Note: Pump #1 was LOTO on 10 June 2020 due to an unrelated pump issue, and is still out of service, LOTO.) After initially being shut down operationally, and LOTO electrically, the Red Hill pumps were physically isolated from the Potable Water system on 24 December 2021.
3. Physical isolation was performed with in-house NAVFAC forces, with a completion date of 24 December 2021. This work was performed by isolating the system from the pumps at the "wye" fitting adjacent to Red Hill Pump #1. The wye fitting is shown on Enclosure (1). A blind flange was placed on the main header and the wye branch.
4. The 24" blind flange on the main header physically air-gapped and isolated Red Hill pumps #2, #3, and #4. The 16" blind flange in the wye branch physically air-gapped and isolated Red Hill pump #1. This work is shown on Enclosure 1.
5. The work the NAVFAC in-house forces performed removed any source or pathway from the Red Hill aquifer to the JBPHH Potable Water system.

MITCHELL.JEREMY.W.1395400700
J. MITCHELL
Deputy Public Works Officer
Joint Base Pearl Harbor Hickam

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NAVFAC Hawaii - Potable Water Utilities Lock Out Tag Out (LOTO) Form



Locked Out		Back in Service		Location	Circuit / Equipment being LOTO	Reason for LOTO	Lock No.	Tag No.	Authorized Employee
Date	Time	Date	Time						
18 MAR 20	0930			REDHILL	MP#1	Pump overhaul		010	Dykky
5 JUN 20		20 MAR 21	1200	WAIANUA	CD #20	FAULT IN OVERHAUL		1	
10 JUN 20	0900			REDHILL	PUMP CONTROL MP#1	PUMP OVERHAUL		011	Dykky
10 JUN 20	0900			REDHILL	NCC MP#1	PUMP OVERHAUL		012	Dykky
10 JUN 20	0945			WAIANUA	CD #40	FAULT-PUMP CONTROLS		2	AN
10 MAY 21				HALANUA	NCC#1	MOTOR FAULT		3	AN
2 JUN 21	0800			WAIANUA	CD#80	FAULT PUMP CONTROLS		5	AN
2 JUN 21	0800	30 JUN 21	2030	WAIANUA	CD#100	HECO OUTAGE		4	AN
2 JUN 21	0900			HALANUA	NCC#2	PUMP REMOVED		6	AN
30 JUN 21	2330	7 JUL 21	1900	WAIANUA	CD#10	FAIL TO CLOSE		8	AN
19 JUL 21	0745	19 JUN	0900	HALANUA	EXHAUST FAN	REPLACE OIL			DS
17 NOV 21	1230			HALANUA	PUMP #1	PUMP FAIL			AN
17 NOV 21	1230			NIHANUA	PUMP #2	MOTOR FAIL			AN
30 DEC 21	0925			REDHILL	NCC MP#2	COMPRESSOR INTERFERE WELK IS WELL			AN

NAVFLC

February 10, 2022

SUMMARY OF OPERATOR LOGS AND SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) DATA

1. OBJECTIVE: Provide a description of water sources that supplied the Joint Base Pearl Harbor Hickam (JBPHH) potable water system (system) prior-to and after the fuel contamination incident that occurred in late November 2021.

2. BACKGROUND:

2.1. Portions of the Navy water distribution system serving JBPHH and surrounding areas were exposed to low levels of fuel contamination with initial indications in the form of smell reports occurring on or about 28 November 2021.

2.2. Prior to the aquifer contamination incident, water users connected to the Navy's system were supplied by three Navy owned water sources, Red Hill Shaft, Aiea/Halawa Shaft and Waiawa Shaft. In the time period prior to the incident, Waiawa Shaft was the main water source supplying water to the JBPHH system with at least one pump operating full time (100%). A single Red Hill Shaft pump was operated intermittently as a secondary source to the system. The Aiea/Halawa shaft was not being operated due to concerns over high chloride concentrations caused by saltwater intrusion into the aquifer.

2.3. On the evening of 28 November 2021, the Red Hill Shaft was secured and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on 28 November 2021 but was shut down on 03 December 2021 to prevent westward contaminant migration in the aquifer.

2.4. Since 03 December 2021, Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility and testing has not found any water quality issues at this source.

3. DATA INTERPERETATION: The Supervisory Control and Data Acquisition (SCADA) data provided in reference (a) includes tabular and graphical depictions of flow from the three source pump stations, aquifer water surface elevations above mean sea level (MSL) and the water level in the 6 million gallon (MG) S1 and S2 water storage tanks. The data was provided as a daily average (i.e. data was averaged over the 24 hours of each day from 00:00 to 23:59) and ranges from 01 November 2021 to 08 January 2022.

3.1 WAIAWA SHAFT/PUMP STATION: Prior to 28 November, The Waiawa Pump Station (PS) was supplying an average of 16.6 million gallons per day (MGD) of potable water to the system. After 28 November, demand reductions from turning off irrigation and smaller residential demand reduced the water supplied by the Waiawa PS to an average of 15.5 MGD. This was 76% of the 22 MGD total system demand prior to 28 November 2021.

There was an inverse correlation between the aquifer water surface elevation and water pumped out of the aquifer. When Waiawa PS was pumping between 16 and 18 MGD, the aquifer water surface elevation dropped to between 8.0 and 10.0 feet MSL. When pumping was reduced between 15 and 16 MGD, the aquifer water surface was raised to between 15.0 and 17.0 feet

above MSL. See Figure 1 below for a graphical depiction of the daily average aquifer water surface elevation and pumps flows from Waiawa Shaft.

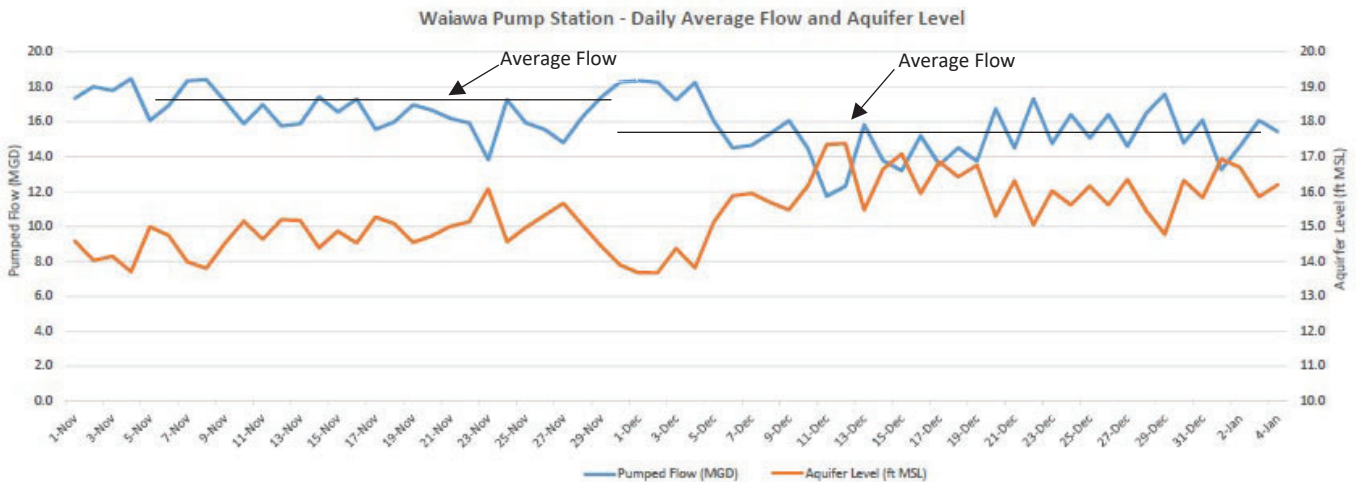


Figure 1. Waiawa Shaft Daily Average Flows and Aquifer Water Surface Elevation

3.2 RED HILL SHAFT/PUMP STATION: Prior to being shut down on 28 November 2021, the Red Hill PS was supplying an average of 5.3 MGD to the system. The represented 24% of the 22 MGD total system demand. As shown in Figure 2, the Red Hill Pump Station has not been operated since 28 November 2021.

Since pumping ceased, the aquifer water surface elevation has raised from approximately 2 ft MSL to almost 6 ft MSL

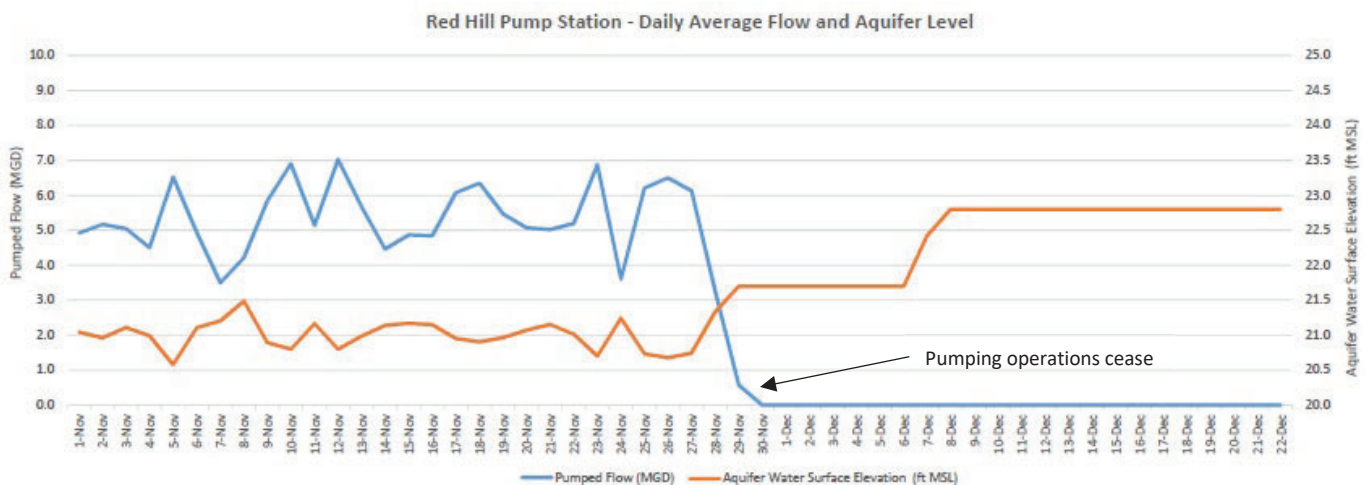


Figure 2. Red Hill Shaft Daily Average Flows and Aquifer Water Surface Elevation

3.3 HALAWA/AIEA SHAFT/PUMP STATION: Halawa Shaft was briefly operated from 28 November to 03 December 2021. The reasons for shutdown are as follows:

1. Demand reductions made it so that Waiawa Shaft could supply 100% of the water to the system,

2. there were concerns over westward plume migration from Red Hill if Halawa remained active,
3. water system operators had advised that high chloride concentrations in the Halawa/Aiea Shaft had caused water quality problems in the past.

The aquifer water surface elevation was around 12.0 ft MSL prior to turning the pumps on at the Halawa/Aiea PS. After the pumping ceased, the aquifer recovered to around 12.8 ft MSL.

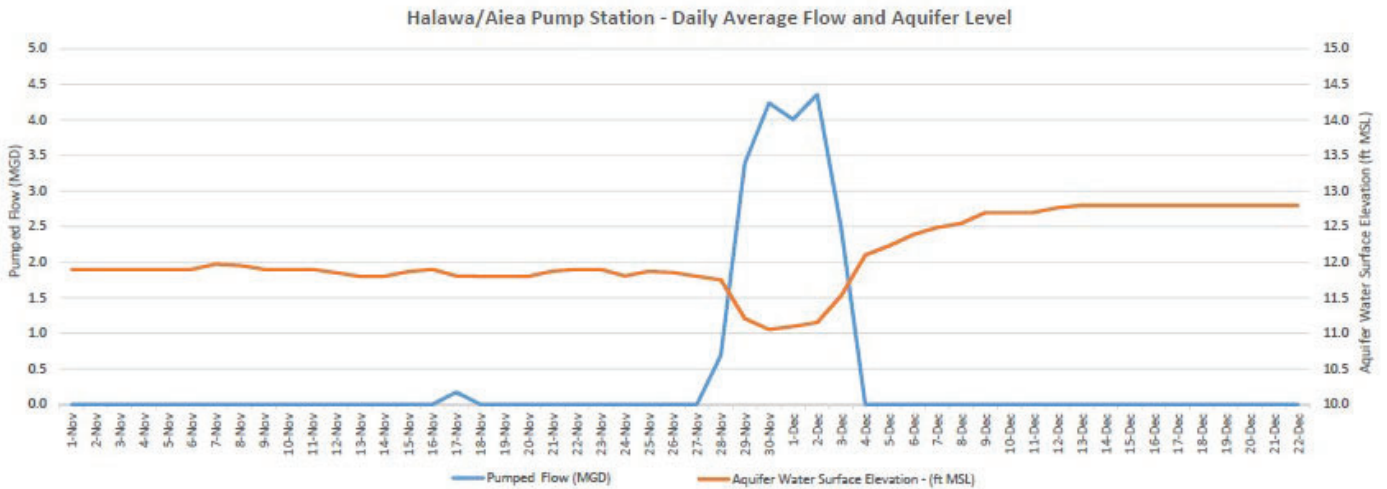


Figure 2. Halawa/Aiea Shaft Daily Average Flows and Aquifer Water Surface Elevation

**Photograph of Concrete Blocking Between
Air Gapped Isolation Flange**





Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

Line of Evidence 1b

**Regulated Public Water System's Water Quality Data is
Compliant**

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1b - The regulated public water system's water quality data is compliant.

Incident Specific Criteria - Data does not exceed Federal DW MCLs, specified State EALs, and ISPs for **Waiawa Shaft**.

Lines of Evidence	Completion Status	Outstanding Items
Date Sample Taken at Step 0 of the Sampling Plan Addendum 1	Complete	<ul style="list-style-type: none">• None.
Date Sample Taken at Entry Point to Distribution	Complete	<ul style="list-style-type: none">• None.

February 17, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1B – THE REGULATED PUBLIC WATER SYSTEM’S WATER QUALITY IS COMPLIANT

Encl: (1) 1b.1 Source Water and Entry Point of Distribution Sample

1. Enclosure (1) documents completion of Line of Evidence 1b, the regulated public water system’s water quality is compliant. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source.
2. On January 11, 2022, water from the Waiawa shaft was sampled at the entry point to the distribution system (EPD). The results of the analysis are presented in Enclosure (1), Field Sample ID 20111-WS-ZT01. On January 13, 2022, additional samples were taken at the Waiawa shaft source. The results of these samples are also presented in Enclosure (1), Field Sample IDs 220113-WS-ZT01 and 220113-WS-ZT03. This data shows that the water from the Waiawa shaft does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters, and the regulated public water system’s water quality is complaint.
3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

RODRIGUEZ.ALBERTO
.MAURICIO.13963161
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A. M. Rodriguez
LT, CEC, USN

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1b.1 Source Water and Entry Point of Distribution Sample

Well Shaft Sampling

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	I1-SHFTWAIA		I1-SHFTWAIA		I1-SHFTWAIA	
Location Type:	Well		Well		Well	
Residence:	Waiawa Shaft		Waiawa Shaft		Waiawa Shaft	
Field Sample ID:	220111-WS-ZT01		220113-WS-ZT01		220113-WS-ZT03	
Sample Date:	2022-01-11		2022-01-13		2022-01-13	
Sample Type:	N (PostChlorination Sample)		N (PreChlorination Sample)		N (PreChlorination Sample)	

GENCHEM (mg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	810121191
		Action Levels	Constituents	Constituents	Levels	Levels	
Total Organic Carbon	2	None	None	None	None	None	0.250 U

HC (µg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	5801092421
		Action Levels	Constituents	Constituents	Levels	Levels	5801092721
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	31.0 U	31.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	180 U	180 U

HERB (µg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	980559
		Action Levels	Constituents	Constituents	Levels	Levels	
Pentachlorophenol	None	None	None	None	None	None	0.0200 U

HG (µg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	2A12046
		Action Levels	Constituents	Constituents	Levels	Levels	
Mercury	0.025	0.025	2	2	0.0170 U	--	--

METAL (µg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	980559
		Action Levels	Constituents	Constituents	Levels	Levels	
Antimony	6	6	6	6	0.0915 J	--	0.110 U
Arsenic	10	10	10	10	0.207 J	--	0.210 U
Barium	220	220	2000	2000	1.72	--	1.80 J
Beryllium	0.66	0.66	4	4	0.0624 U	--	0.0910 U
Cadmium	3	3	5	5	0.0416 U	--	0.0290 U
Chromium	11	11	100	100	1.46	--	1.50
Copper	2.9	2.9	1300	1300	21.2	--	46.0
Lead	15	5.6	15	15	0.265	--	0.0630 J
Selenium	5	5	50	50	0.704	--	0.350 J
Thallium	2	2	2	2	0.0210 U	--	0.0410 U

SVOC (µg/L)	Incident Specific Parameters	Environmental		DOH Safe Drinking		Environmental	
		Action Levels	Water Branch (SDWB)	Water Branch (SDWB)	Protection Agency Maximum	Protection Agency Maximum	SDG:
		Groundwater	Regulatory	Regulatory	Contaminant Levels	Contaminant Levels	810121191
		Action Levels	Constituents	Constituents	Levels	Levels	

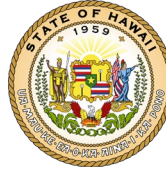
1b.1 Source Water and Entry Point of Distribution Sample

Well Shaft Sampling

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

	70	70	70	70	70	70	70	70	EPD	Shaft	Shaft
1,2,4-Trichlorobenzene									--	0.0930 U	--
1,2-Dichlorobenzene	10	10	600	600	600	600	600	600	--	0.0520 U	--
1,3-Dichlorobenzene	None	None	None	None	None	None	None	None	--	0.0410 U	--
1,4-Dichlorobenzene	5	5	75	75	75	75	75	75	--	0.0410 U	--
1-Methylnaphthalene	2.1	10	None	None	None	None	None	None	0.00801 U	--	0.0190 U
2,4,5-Trichlorophenol	None	None	None	None	None	None	None	None	--	0.100 U	--
2,4,6-Trichlorophenol	None	None	None	None	None	None	None	None	--	0.100 U	--
2,4-Dichlorophenol	None	None	None	None	None	None	None	None	--	0.210 U	--
2,4-Dimethylphenol	None	None	None	None	None	None	None	None	--	0.170 U	--
2,4-Dinitrophenol	None	None	None	None	None	None	None	None	--	1.70 U	--
2,4-Dinitrotoluene	None	None	None	None	None	None	None	None	--	0.100 U	--
2,6-Dinitrotoluene	None	None	None	None	None	None	None	None	--	0.100 U	--
2-Chloronaphthalene	None	None	None	None	None	None	None	None	--	0.0720 U	--
2-Chlorophenol	None	None	None	None	None	None	None	None	--	0.0520 U	--
2-Ethylhexyl adipate	None	None	None	None	None	None	None	None	0.00962 U	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	None	None	0.00904 U	--	0.0190 U
2-Methylphenol (o-Cresol)	None	None	None	None	None	None	None	None	--	0.0520 U	--
2-Nitroaniline	None	None	None	None	None	None	None	None	--	0.100 U	--
3,3'-Dichlorobenzidine	None	None	None	None	None	None	None	None	--	0.270 U	--
3-Nitroaniline	None	None	None	None	None	None	None	None	--	0.170 U	--
4,6-Dinitro-2-methylphenol	None	None	None	None	None	None	None	None	--	0.570 U	--
4-Bromophenyl phenyl ether	None	None	None	None	None	None	None	None	--	0.0620 U	--
4-Chloro-3-methylphenol	None	None	None	None	None	None	None	None	--	0.130 U	--
4-Chloroaniline	None	None	None	None	None	None	None	None	--	0.610 U	--
4-Chlorophenyl phenyl ether	None	None	None	None	None	None	None	None	--	0.0520 U	--
4-Nitroaniline	None	None	None	None	None	None	None	None	--	0.220 U	--
4-Nitrophenol	None	None	None	None	None	None	None	None	--	1.80 U	--
Acenaphthene	None	None	None	None	None	None	None	None	--	0.0520 U	--
Acenaphthylene	None	None	None	None	None	None	None	None	--	0.0620 U	--
Alachlor	None	None	None	None	None	None	None	None	0.0110 U	--	0.0480 U
Anthracene	None	None	None	None	None	None	None	None	--	0.0520 U	--
Atrazine	None	None	None	None	None	None	None	None	0.00734 U	--	0.0290 U
Benzo(a)anthracene	None	None	None	None	None	None	None	None	--	0.0520 U	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.0117 UJ	0.0410 U	0.00960 U
Benzo(b)fluoranthene	None	None	None	None	None	None	None	None	--	0.0410 U	--
Benzo(g,h,i)perylene	None	None	None	None	None	None	None	None	--	0.0410 U	--
Benzo(k)fluoranthene	None	None	None	None	None	None	None	None	--	0.0520 U	--
Benzyl butyl phthalate	None	None	None	None	None	None	None	None	--	0.280 U	--
Bis(2-chloroethoxy)methane	None	None	None	None	None	None	None	None	--	0.0520 U	--
Bis(2-chloroethyl) ether (2-Chloroethyl ether)	None	None	None	None	None	None	None	None	--	0.0310 U	--
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	6	6	0.437 U	0.770 U	0.580 U
Carbazole	None	None	None	None	None	None	None	None	--	0.100 U	--
Chlordane	None	None	None	None	None	None	None	None	0.0669 U	--	0.0320 U
Chrysene	None	None	None	None	None	None	None	None	--	0.0410 U	--



Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

Line of Evidence 1c

**No Additional Contamination through the Distribution
System is Occurring**

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination is entering the water system.

Objective 1c - No additional contamination through the distribution system is occurring.

Incident Specific Criteria - Cross Connection Control investigation shows distribution system is protected, resulting in no additional sources of contamination.

Lines of Evidence	Completion Status	Outstanding Items
No contamination of the distribution system is occurring from cross-connections with other petroleum sources during this incident	Complete	<ul style="list-style-type: none"> None.
Cross Connection Control/Backflow Program-related documents	Complete	<ul style="list-style-type: none"> None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 1C – NO ADDITIONAL
CONTAMINATION THROUGH THE DISTRIBUTION SYSTEM IS OCCURRING

Encl: (1) 1c.1 Certification of Inventory and Petroleum Facility Locations with Associated
Backflow Preventers.
(2) 1c.2 Backflow Prevention and Cross-Connection Control Program Instruction

1. Enclosures (1) and (2) document completion of Line of Evidence 1c, no additional contamination through the distribution system is occurring. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility, and testing has not detected any water quality issues at this source.

2. Enclosure (1) identifies all water service connections where petroleum activities exist and documents adequate backflow prevention devices installed at those petroleum service activities. Enclosure (2) provides the governing instructions for backflow prevention devices referenced in Enclosure (1). This data shows that no additional contamination through the water distribution system is occurring.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

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A. M. Rodriguez
LT, CEC, USN



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND, HAWAII
400 MARSHALL ROAD
JBPBH, HAWAII 96860-3139

11000
Ser PWO/0085
March 7, 2022

Director of the State of Hawaii
Department of Health (DOH)

Dear DOH Director:

SUBJECT: CERTIFICATE REGARDING CROSS CONNECTION CONTROL REVIEW
AND CONFIRMATION – ZONE D2

Enclosure: [1] ZONE D2: POL Activities Backflow Prevention Devices
[2] ZONE D2: POL Activities Map

On behalf of the United States Department of the Navy, operator of the Joint Base Pearl Harbor-Hickam Public Water System (PWS ID No. 360 Water System), and in connection with and pursuant to the removal action required by the DOH Hazard Evaluation and Emergency Response Office Incident Case No. 20211128-1848, the undersigned certifies that the Navy has made all necessary inquiry into their Water System and represents and warrants as set forth below.

All service connections where petroleum activities exist in the Water System, **Zone D2**, are identified in Enclosure [1], “Zone D2: POL Activities Backflow Prevention Devices.” Petroleum activities include, but are not limited to, operating or having gas stations, fuel storage, facilities with aboveground or underground storage tanks (>100-gallon capacity), fuel transfer, motor pools, vehicle maintenance facilities, fuel recovery pits, waste oil collection facilities or systems.

All service connections where petroleum activities exist, as identified in Enclosure [1] have adequate backflow protection as recommended by and in accordance with COMNAVREGHINST 11330.2D, BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL PROGRAM. Adequate backflow protection includes installation of devices appropriate to the identified hazard condition, correct design and installation of the device, timely testing by a certified tester, and regular maintenance/repair/replacement.

All facilities identified with adequate backflow protection have had their assemblies tested by a DOH-approved certified tester in the past year in accordance with Hawaii Administrative Rules, Title 11-21-8(b) Maintenance requirements.

Enclosure 2 includes facilities that are on our Spill Prevention Control and Countermeasures maps but do not present risk to our potable water system. These include several fuel ports on the airfield indicated by the facility number 12105H. No waterlines traverse the airfield.

SUBJECT: CERTIFICATE REGARDING CROSS CONNECTION CONTROL REVIEW
AND CONFIRMATION – ZONE D2

The Navy has committed to the funding and performance in FY2022 of a comprehensive cross connection control survey of the entire JBPHH water system per the December 2021 AH Engineers & Scientists Water Quality CAT Memorandum.

The undersigned has due authority to deliver to DOH this Certification on behalf of the Navy.

Sincerely,

HARMEYER.RANDALL

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Date: 2022.03.07 16:45:39 -10'00'

R. E. HARMEYER

Captain, CEC, U.S. Navy

Public Works Officer

By Direction of the

Commanding Officer

Enclosure [1] - ZONE D2: POL Activities Backflow Prevention Devices

POL Activities Backflow Prevention Devices												Zone: D2			
ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date				
NNO BFP ASSETS, ONLY HOSE BIBS	17H	BISHOP PT.	AST B17-SG / 208 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
OSA-FWW 162	52H	BISHOP PT. LIFT STATION	AST C-35 / 150 GAL DIESEL	WATTS	909	0.75	49824	1/1/1994	N/A	1/6/2022	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	54A	BISHOP PT.	AST B-54-1 / 1,000 GAL DIESEL B-54-2-DR / 825 (15@55-GAL DRUM) POL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	668H	Lift Station 3	AST H-668-SG / 80 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	726H	Lift Station 2	AST H-726-SG / 75 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
UMA057000910	986H	Emergency Gen. Rm.	AST H-986-1 / 3,042 GAL DIESEL	WATTS	709	6	255016	8/1/2002	N/A	8/1/2021	N/A				
UMA057000910	986H	Emergency Gen. Rm.	AST H-986-2 / 3,042 GAL DIESEL	WATTS	709	6	255016	8/1/2002	N/A	8/1/2021	N/A				
UMA057000598	1001H	Security Forces	AST H-1001-SG / 100 GAL DIESEL	FEBCO	710	1.25	N/A	7/1/1996	N/A	8/1/2021	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	1037H	NAVSUP Gas Station	AST E-15 / 99 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	1037H	NAVSUP Gas Station	H-1037-MGS	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
NNO BFP ASSETS, ONLY HOSE BIBS	1037H	NAVSUP Gas Station	UST H-1037-1 / 10,000 GAL GASOLINE UST H-1037-2 / 10,000 GAL GASOLINE UST H-1037-3 / 10,000 GAL DIESEL UST H-1037-4 / 10,000 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A				
H1081905	1050H	515TH Air Mobility	AST H-1050 / 112 GAL DIESEL	FEBCO	850	6	N09091270509	8/1/2017	N/A	8/1/2021	N/A				
UMA057000560	1052H	Fire Pump House	AST H-1052-1 / 350 GAL DIESEL AST H-1052-2 / 350 GAL DIESEL AST H-1052-3 / 350 GAL DIESEL AST H-1052-4 / 350 GAL DIESEL	WATTS	009M2	1.25	7239	7/1/2004	N/A	7/1/2021	N/A				
UMA057000919	1070H	FLC HazMat Supply	AST FLC-1070-DR / 8,910 (162@55 GAL DRUM) POL	AMES	Colt 200	6	LD-0390	9/1/2011	N/A	8/1/2021	N/A				
UMA057000921	1073H	Transportation	AST H-1073H-1 / 500 GAL USED OIL AST H-1073-S1 / 1,650 (30@55-GAL DRUMS) POL	AMES	2000SS	6	167511-0111	10/1/2011	N/A	8/1/2021	N/A				
UMA057000483	1108H	Generator Room	AST H-1108 / 1,000 GAL DIESEL	FEBCO	765	2	Non- Legible	6/1/2007	N/A	6/1/2021	N/A				

Enclosure [1] - ZONE D2: POL Activities Backflow Prevention Devices

Zone: D2

POL Activities Backflow Prevention Devices

ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date
UMA057000563	1109H	PACAF F-WING	AST H-1109-1 / 500 GAL DIESEL AST H-1109-2 / 500 GAL DIESEL AST H-1109-3 / 500 GAL DIESEL AST H-1109-4 / 500 GAL DIESEL AST H-1109-5 / 500 GAL DIESEL AST H-1109-6 / 500 GAL DIESEL AST H-1109-7 / 500 GAL DIESEL	AMES	3000CIV	10	S/N 00047	7/1/2003	N/A	7/1/2021	N/A
UMA057000563	1109H	PACAF F-WING	UST H-1102-A / 10,000 GAL DIESEL UST H-1102-B / 10,000 GAL DIESEL	AMES	3000CIV	10	S/N 00047	7/1/2003	N/A	7/1/2021	N/A
UMA057000483	1110H	Wing Hq.	AST H-1110-SG / 100 GAL DIESEL	FEBCO	765	2	Non- Legible	6/1/2007	N/A	6/1/2021	N/A
UMA057000172	1120H	Gym	AST H-1120 / 500 GAL DIESEL	ZURN-WILKINS	375	3	L62919	5/1/2011	N/A	5/1/2021	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1200H	CE Engineering	H-1200-DR / 550 (10@55GAL DRUM MAX) USED OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1204H	Power Production	H-1207-1	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	H-1207-1 / 60 GAL NEW LUBE OIL H-1207-2 / 60 GAL NEW LUBE OIL H-1207-3 / 60 GAL NEW LUBE OIL H-1207-4-DR / 55 GAL DRUM PRESS USED OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-1 / 200 GAL DIESEL 15-PG / 200 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-1 / 200 GAL DIESEL 15-PG / 200 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-018-PG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-034-PG / 55 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-063-PG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-260-PG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-262-PG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-476-PG / 55 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-263-PG / 80 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-359-PG / 80 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A

Enclosure [1] - ZONE D2: POL Activities Backflow Prevention Devices

POL Activities Backflow Prevention Devices												Zone: D2		
ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-636-PG / 100 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-700-PG / 125 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-599-PG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-721-PG / 100 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-748-PG / 100 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-813-PT / 179 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-814-PT / 120 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-4318-PT / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1207H	TROUBLE DESK	AST H-1207-SG / 90 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	1217H	Storage Area	HOSE BIB W/ AVB	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
UMA057000205	1227H	Lift Station 4	AST H-1235-SG / 100 GAL DIESEL	FEBCO	765	2	91798	7/1/1986	N/A	5/1/2021	N/A			
UMA057000163	1235H	BASE EXCHANGE	AST H-2002-1 / 260 GAL USED OIL	FEBCO	805YD	6	9605301329	12/2/1999	N/A	5/1/2021	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2002H	Motor Pool	AST H-2002-S1 / 935 (17@55-GAL DRUMS) POL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2003H	Motor Pool	AST H-2003-SG / 150 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2023H	Storage Area	AST OB91 / 400 GAL USED OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2023H	Storage Area	AST FB95 / 600 GAL RECLAIMED F-24	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2028H	MAC Terminal	H-2023H-S1 / 550 (10@55-GAL DRUMS) USED OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
NO BFP ASSETS, ONLY HOSE BIBS	2028H	MAC Terminal	AST H-2028-SG / 260 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A			
UMA057000573	2030H	HANGER 15 & 17	H2030-3-DR / 275 (5@55 GAL DRUM) NEW LUBE OIL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A			
UMA057000573	2030H	HANGER 15 & 17	H2030-4-DR / 275 (5@55 GAL DRUM) USED OIL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A			
UMA057000573	2030H	HANGER 15 & 17	AST H-2030-1 / 1,500 GAL F-24	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A			
UMA057000573	2030H	HANGER 15 & 17	AST H-2030-1 / 1,500 GAL DIESEL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A			
UMA057000573	2030H	HANGER 15 & 17	AST H-2030-2 / 3,000 GAL DIESEL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A			

Enclosure [1] - ZONE D2: POL Activities Backflow Prevention Devices

Zone: D2

POL Activities Backflow Prevention Devices

ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date
UMA057000573	2030H	HANGER 15 & 17	OB92 / 200 GAL DIESEL HBO1 / 200 GAL DIESEL HFO1 / 400 GAL DIESEL FB 85 / 440 GAL RECLAIMED JP-8 7-LASS A/M32A-95 / 80 GAL JET FUEL 6-B809D / 56 GAL DIESEL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A
UMA057000573	2030H	HANGER 15 & 17	2-GTC A/M32A-60 / 60 GAL DIESEL 3-MA-3D / 60 GAL DIESEL 1-A/27T-17 / 60 GAL DIESEL	WATTS	709	6	255157	7/1/2004	N/A	7/1/2021	N/A
H1081822	2033H	New ATC Tower	AST H-2033-SG / 250 GAL DIESEL	WATTS	009M2QT	2	UNKNOWN	8/1/2015	N/A	9/1/2021	N/A
UMA057001288	2036H	Hickam FFD	AST H-2036-SG / 100 GAL DIESEL	WATTS	909M1 QT	1.25	410385	12/1/1997	N/A	9/1/2021	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2039H	Generator Room	AST H-2039-SG / 157 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
UMA057000638	2051H	Air Field Mgmt.	AST H-2051-SG / 100 GAL DIESEL	FEBCO	805Y	2	105021	7/1/2007	N/A	7/1/2021	N/A
UMA057000582	2060H	HANGAR 4		WATTS	909M1 QT	2	422531	7/1/2007	N/A	7/1/2021	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2072H	Firestone Gas Pumps	H-2072-MSG	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2072H	Firestone Gas Pumps	UST H-87 (SLAVE)/ 10,000 GAL GASOLINE UST H-87 / 10,000 GAL GASOLINE UST H-89 / 10,000 GAL GASOLINE UST H-92 / 10,000 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2073H	Firestone Repair Shop	AST H-2073-1 / 360 GAL MOTOR OIL AST H-2073-2 / 300 GAL MOTOR OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2073H	Firestone Repair Shop	AST H-2073-3 / 110 GAL LUBE OIL AST H-2073-4 / 110 GAL LUBE OIL AST H-2073-5 / 110 GAL LUBE OIL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2073H	Firestone Repair Shop	AST H-2073-6-DR / 220 (4@55 GAL DRUM) USED POL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2093H	Commissary	AST H-2093-SG / 150 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
UMA057002342	2115H	Readiness	AST H-2115 / 1,000GAL DIESEL	WATTS	709	6	Y58093	9/1/2007	N/A	3/1/2021	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2116H	DinaCorp Inter.		HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
H1080851	2117H	SOC-OP Storage	AST H-2125-2-SG / 80 GAL DIESEL FB92 / 400 GAL RECLAIMED F-24 FB93 / 400 GAL RECLAIMED F-24	ZURN-WILKINS	450	6	K01176	3/1/2014	N/A	3/1/2021	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2125H	FLC Fuel Trucks Office		HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A

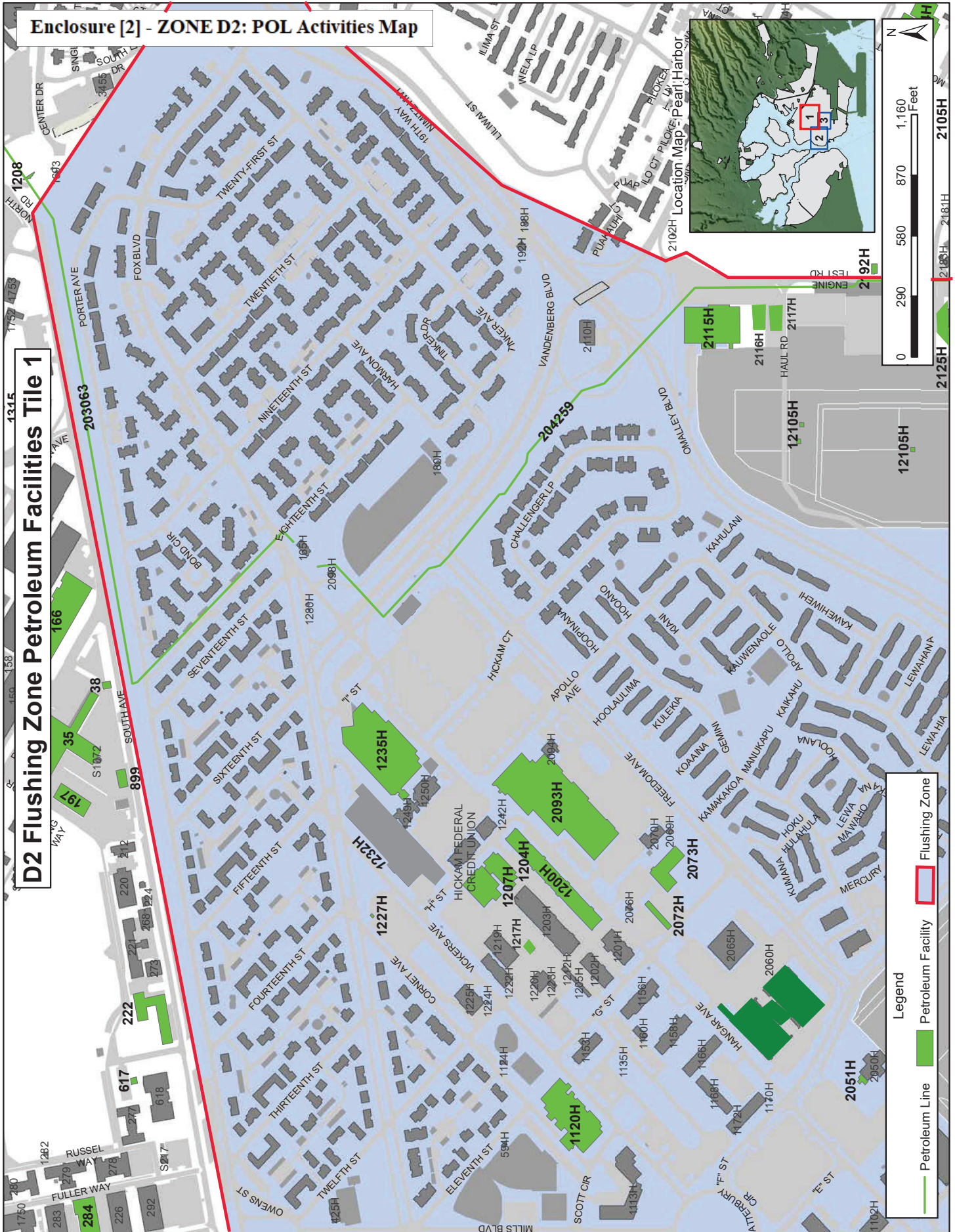
Enclosure [1] - ZONE D2: POL Activities Backflow Prevention Devices

Zone: D2

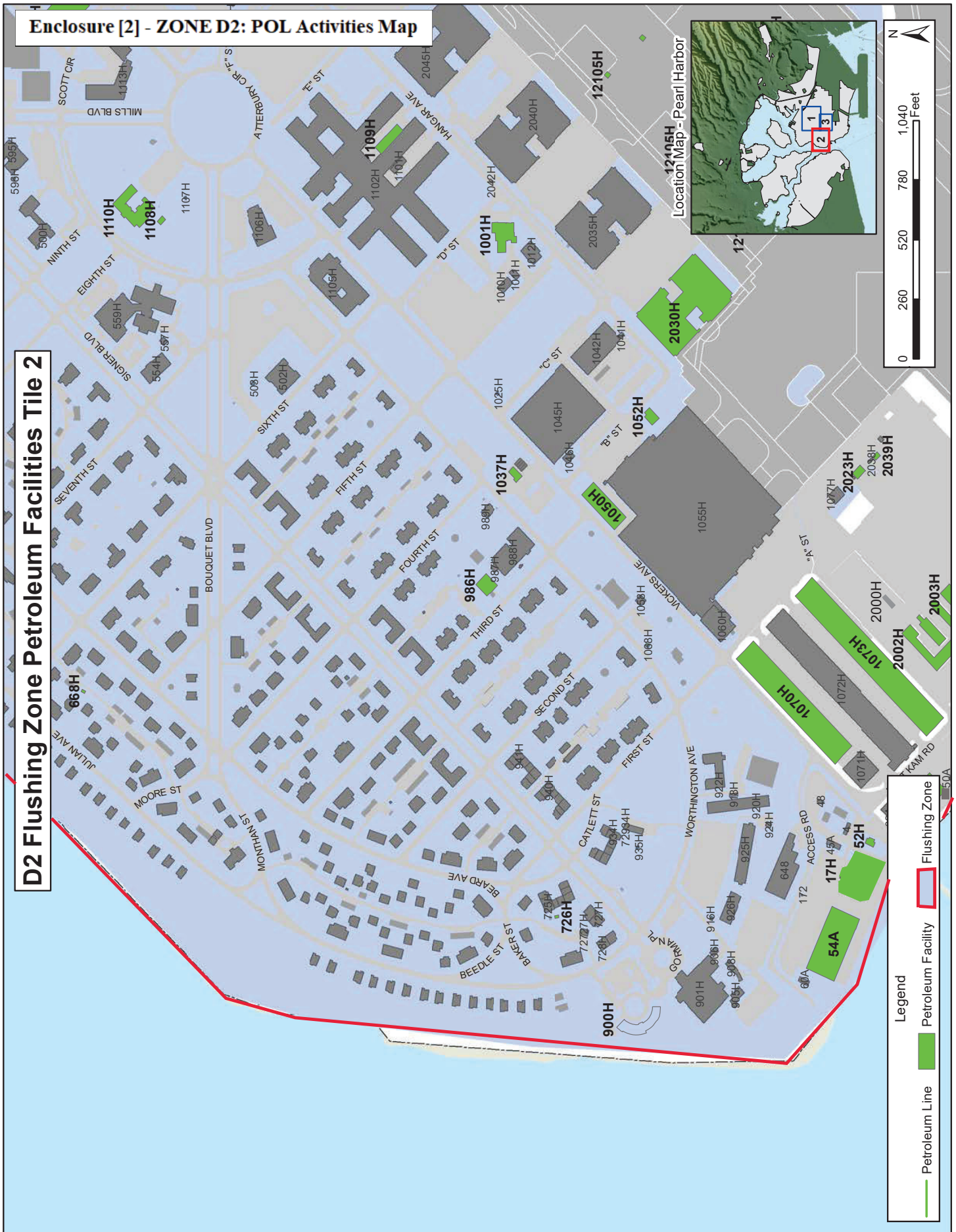
POL Activities Backflow Prevention Devices

ASSET NAME	Location (Bldg. #)	Reference Location	Description of petroleum -related activity	BFP Manufacturer	BFP Model	BFP Size	Serial # or VIN #	Installation Date or In Service Date	Changed (Replacement) Date	Last Tested Date	Last Repaired Date
NO BFP ASSETS, ONLY HOSE BIBS	2125H	FLC Fuel Trucks Office	AST FLC-2125-TP / (17 R-11 REFUELERS @6,000 GAL EA, 2 C300 TANK TRUCKS @1,200 GAL EA) 104,400 GAL MAX	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2125H	FLC Fuel Trucks Office	POL-BOWSER-1 / 400 GAL RECLAIMED JP-8 POL-BOWSER-2 / 400 GAL RECLAIMED JP-8 POL-BOWSER-3 / 220 GAL RECLAIMED JP-8	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2125H	FLC Fuel Trucks Office	AST H-2125-1 / 500 GAL RECLAIMED JP-8	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A
NO BFP ASSETS, ONLY HOSE BIBS	2135H	H19- C17 Fuel Cell	AST H-2135 / 200 GAL DIESEL	HOSE BIB W/ AVB	AVB	0.75	N/A	N/A	N/A	N/A	N/A

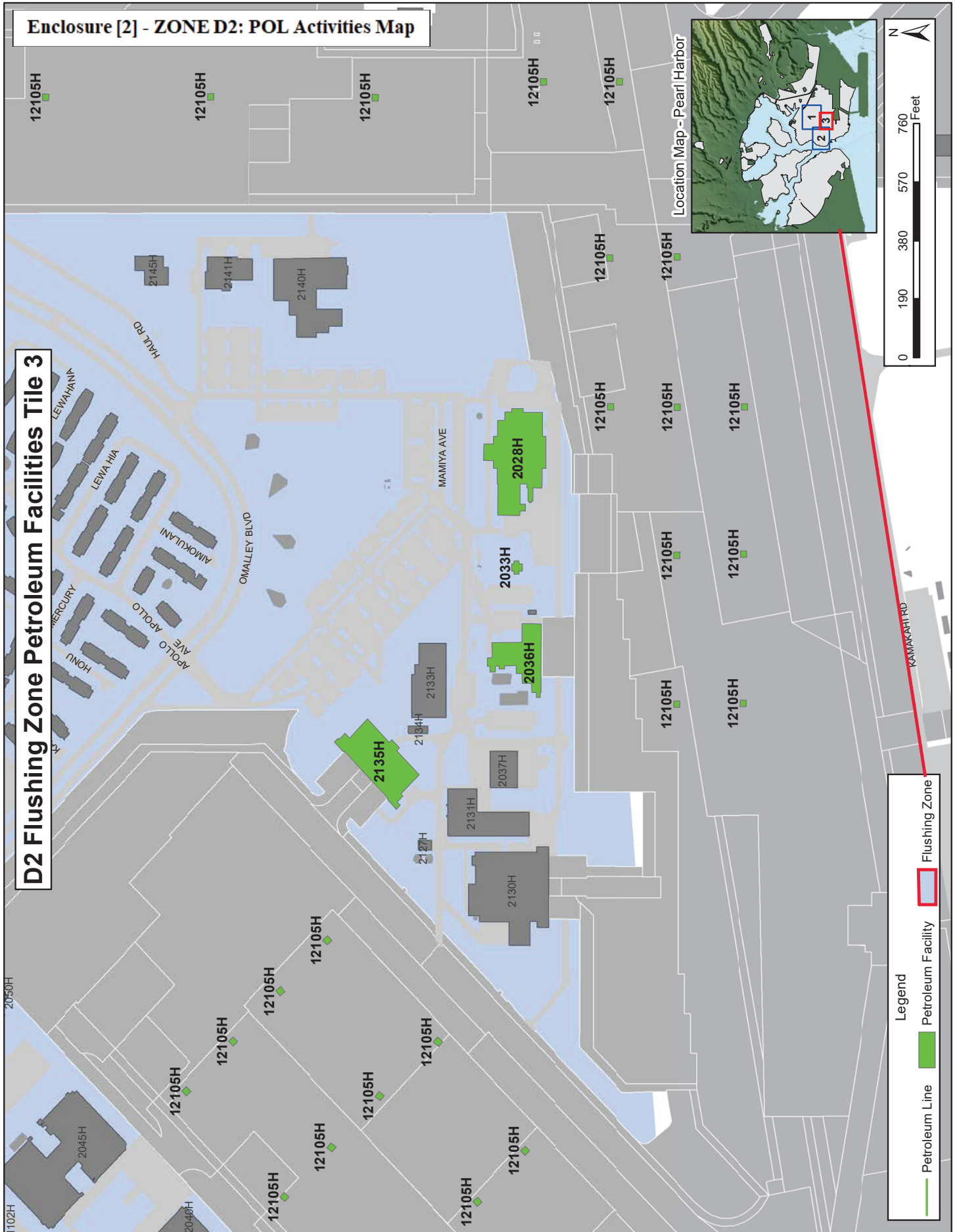
D2 Flushing Zone Petroleum Facilities Tile 1



D2 Flushing Zone Petroleum Facilities Tile 2



D2 Flushing Zone Petroleum Facilities Tile 3





DEPARTMENT OF THE NAVY

COMMANDER
NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH HI 96860-5101

COMNAVREGHIINST 11330.2D

N4

19 Sep 2016

COMNAVREG HAWAII INSTRUCTION 11330.2D

From: Commander, Navy Region Hawaii

Subj: BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL PROGRAM

Ref: (a) Recommended Practice for Backflow Prevention and Cross-Connection Control, (AWWA Manual M14), American Water Works Association
(b) MIL-HDBK-I 005/7, Military Handbook Water Supply Systems
(c) State of Hawaii, Department of Health, Administrative Rules Title 11, Chapter 21, Cross-Connection and Backflow Control
(d) NAVFACINST 11330.11E
(e) Manual of Cross-Connection Control, Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California
(f) NAVFAC MO-210, Maintenance and Operation of Water Supply, Treatment, and Distribution Systems

1. Purpose. To supplement current Navy directives pertaining to the protection of the Base potable water supply.

2. Cancellation. COMNAVREGHIINST 11330.2C.

3. Definitions. References (a) through (c) define technical terms used herein as follows:

a. Backflow. The reversal of the normal flow of water caused by either backpressure or back-siphonage.

b. Back-pressure. The flow of water or other liquids, mixtures or substances under pressure into the distribution pipes of a potable water supply system from any source or sources other than the intended source.

c. Back-siphonage. The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of pressure in the potable water supply system.

d. Backflow Preventer. A device or means designated to prevent backflow. These include:

(1) Air Gap. The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device and the flood level rim of said vessel. An approved air-gap must be at least double the diameter of the supply pipe, measured vertically, above the top of the overflow rim of the vessel, and in no case less than six inches.

(2) Reduced Pressure Principle Device. An approved assembly of two independently acting approved check valves together with a hydraulically operating, mechanically independent pressure relief valve located between the check valves, as described in reference (b) and specified in reference (d).

(3) Double Check Valve Assembly. An approved assembly of two independently operating approved check valves with tightly closing shut-off valves on each end of the check valves, plus properly located test cocks for the testing of each check valve.

(4) Atmospheric Vacuum Breaker. A device designed to not subject to static line pressure and contains a check valve and an air-let valve.

(5) Pressure Vacuum Breaker. A device that is designed to operate under conditions of static line pressure and contains one or two independently operating, spring-loaded air-inlet valves located on the discharge side of the check valve (or valves), plus properly located test cocks, and tightly closing shut-off valves.

e. Certified Tester. A certified tester means three classes of certified testers:

(1) A limited tester - A person trained and qualified to perform periodic testing, inspection, and repairs on the specific devices contained within a specific plant or institution. This person is usually an employee of the plant or institution and assigned the duty of taking care of the backflow prevention equipment as part of his or her overall plant duties, and does not extend to backflow prevention devices that are not part of the specific plant or institution.

(2) A general tester - A person trained and qualified to perform the periodic testing, inspection, and repairs on all devices that are on the market. This person may be an employee of a water agency, an employee of a municipal agency, or an individual operating a backflow device testing service.

(3) A manufacturer's agent - A person who is an employee of a manufacturer of backflow prevention equipment and is thoroughly familiar with the backflow prevention devices produced by his/her employer. This person maybe familiar with other makes and models of backflow prevention devices but is restricted to only his/her employer's products. The Director of the Department of Health, State of Hawaii or his duly authorized representative, must approve all certified testers.

f. Cross-Connection. Any physical connection or arrangement of piping or fixtures between two otherwise separate piping systems, one of which contains potable water for human consumption and the other water for irrigation, fire protection, industrial and other uses, or non-potable water or industrial fluids of questionable safety, through which, or because of which, backflow may occur into the potable water system. This would include bypass arrangements, jumper connections, removable sections, swivel or changeover devices, and any other temporary or permanent devices through which, or because of which backflow could occur.

4. Background

a. Reference (b) presents requirements for the design of water supply systems for naval shore activities. Reference (b) indicates the design requirements for protecting the potable system from contamination by cross-connections with non-potable supplies and units containing polluted water. Reference (b) further indicates the need to protect the potable system from contamination by irrigation systems.

b. Reference (d) sets forth criteria for specifying backflow preventers of the reduced pressure principle type. It requires that such devices have a current Certificate of Approval and provides a list of approved backflow prevention devices.

c. Reference (e) cites methods and devices by which hazards may be eliminated without interfering with the functions of plumbing or water supply distribution systems. It is a comprehensive reference, and covers all aspects of cross-connection control.

d. Reference (f) provides technical guidance for the operation and maintenance of water supply systems at naval shore activities. Chapter 8 of reference (f) describes how the water system becomes contaminated. Chapter 9 reference (f) further requires that approved backflow preventers be installed according to the degree of the hazard involved and indicates the need for periodic testing and inspection of the devices by certified personnel. It also suggests a time interval for inspection and indicates that all devices be tested according to the manufacturer's service instructions. It further points out the requirements for record keeping.

e. To assure the quality of the water at the customer's tap, both the customer and Navy Facilities Engineering Command, Hawaii (NAVFAC HI), the water supplier, must participate in a backflow prevention and cross-connection control program.

5. Policy. Protect the existing potable water system at all times from hazardous cross-connections by the installation, operation, and maintenance of approved backflow preventers. Backflow prevention and cross-connection control measures must be in accordance with the recommendations and requirements of references (a) through (f).

6. Discussion

a. The objectives of the backflow prevention and cross-connection control program are to achieve the following:

- (1) Protection of the quality of the base water supply.
- (2) Elimination of existing hazards.
- (3) Prevention of future unprotected cross-connections.

b. The backflow prevention and cross-connection control program requires the following:

- (1) The survey all existing cross-connections to determine they are adequately protected.
- (2) The recording of data on all existing backflow preventers to enable up-to-date monitoring. The data must include at least the following information:
 - (a) Activity name.
 - (b) Building number (if appropriate).
 - (c) Sketch of approximate location of backflow preventer.
 - (d) Size, type, model number, and manufacturer of the backflow preventer.
 - (e) Date installed (if known).
 - (f) Type of Hazard.
- (3) Operate, maintained and repair all known existing backflow preventers to ensure their proper operation for the protection of the water system.
- (4) Inspect and test all existing backflow preventers at the minimum time intervals to determine their effectiveness as shown in the table. If successive tests on a backflow preventer indicate repeated failures, test preventer at more frequent interval to be determined by NAVFAC HI Utilities and Energy Management Department, Potable Water Division (OPC61). All testing must be performed in accordance with the manufacturer's instruction.

<u>METHOD OR DEVICE</u>	<u>3</u> <u>MONTHS</u>	<u>6</u> <u>MONTHS</u>	<u>12</u> <u>MONTHS</u>
Pressure Type Vacuum Breaker			X
Double Check Valve Assembly			X
Reduce Pressure Principle devices used for shore-to ship connections	X		

<u>METHOD OR DEVICE</u>	<u>3 MONTHS</u>	<u>6 MONTHS</u>	<u>12 MONTHS</u>
Other Reduced Pressure Principle device		X	
Air Gap			X
Reduced Pressure Principle devices used to separate the Navy's potable water system from another agency's potable water system			X

(5) Review all plans and specifications or sketches and material description for new connections to NAVFAC HI Potable Water Systems by NAVFAC HI OPC61 to verify the safety of the cross-connections.

(6) Report all known or suspected accidental contamination immediately to NAVFAC HI OPC61 to enable corrective action, and avoid widespread contamination of the water system.

7. Implementation. Maintain the following provisions of the backflow prevention and cross-connection control program by the shore activities as indicated below:

a. All shore activities and other agencies who receive potable water from water systems owned and operated by NAVFAC HI must:

(1) Conduct a Cross-Connection Control and Backflow Prevention Survey of the areas under their jurisdiction including building plumbing, fire protection, exterior hose bibs, lawn irrigation systems, etc. The survey must include an inspection of the consumer's premises for hazards noted in references (a) and (e) and document any findings observed during the survey. The survey must also document all existing backflow preventers. The activity is responsible for funding the survey.

(2) Conduct follow-up surveys of the areas under their jurisdiction within 5 years after the initial survey to update the status of the initial findings and provide new information, findings, and recommendations as required. The activity funds the follow-up surveys as a lump sum amount or incremental amounts of the cost determined by NAVFAC HI OPC61.

(3) Take immediate action to eliminate hazards if the survey indicates that there are cross-connection hazards.

(4) Forward copy of all surveys to NAVFAC HI OPC61.

(5) The activity may submit a work request to have NAVFAC HI conduct the survey.

b. All shore activities and other agencies who have existing backflow preventers that do not conform to the requirements of reference (e) and the NAVFAC HI OPC61 and, who receive water from systems owned and operated by NAVFAC HI, must provide funding to have their backflow preventers tested and certified by certified testers from NAVFAC HI OPC61.

c. All shore activities and other agencies who have requirements for new backflow preventers and who receive water from systems owned and operated by NAVFAC HI must:

(1) Provide funding to have their backflow preventers installed, tested, and certified.

(2) Provide funding for the re-testing and re-certification of the backflow preventer should the backflow preventer fail the initial test.

(3) Ensure initial certification and all re-certification is performed by NAVFAC HI OPC61. Certification by other agencies is not accepted.

d. All shore activities and other agencies who have existing backflow preventers registered with NAVFAC HI OPC61 will have their devices inspected, maintained, and certified by NAVFAC HI funding for the inspection, maintenance, and certification must be provided by NAVFAC HI OPC61.

e. The activities who are responsible for the design of the connection to a NAVFAC HI Potable Water System must submit construction drawings and specifications for the connection to NAVFAC HI OPC61 for approval, prior to its construction.

f. NAVFAC HI job planners must obtain approval for the connection to the NAVFAC HI Potable Water System from NAVFAC HI OPC61, if NAVFAC HI is to perform the work and construction drawings are not required for the connection.

g. The activity who requires the connection to NAVFAC HI Potable Water System must obtain approval for the connection from NAVFAC HI OPC61 prior to construction of the connection.

h. All shore activities who install backflow preventers or administer contracts for their installation NAVFAC HI must ensure that all newly installed backflow preventers are tested and inspected by a certified tester from NAVFAC HI OPC61 at the same time that the water outage occurs for the connection to the water system. Backflow preventer must pass all tests prior to supplying potable water.

19 Sep 2016

i. All activities that suspect that the potable water system may have been contaminated must call NAVFAC HI OPC61 Steam/Air/Potable Water Division Manager, telephone number 473-0388. In addition, warn all personnel in the area of the possible contamination to stop drinking the water.


8. Responsibility

a. Commanding Officers and Officers-in-Charge of shore activities must ensure that hazards from cross-connections are eliminated and that new connections are approved.

b. Commanding Officers and Officers-in-Charge of shore activities in doubt as to the proper methods of backflow prevention and cross-connection control may request engineering and technical assistance from NAVFAC HI (Code 431), Long Range Maintenance Planning Branch, telephone number (808) 474-3700.

9. Records Management. Manage all records created by this instruction, regardless of media or format per SECNAV Manual 5210.1 of January 2012.

10. Review and Effective Date. Per OPNAVINST 5215.17A of 26 May 2016, the Facilities and Environmental (N4) will review this instruction annually on the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, DoD, SECNAV, and Navy policy and statutory authority using OPNAV 5215/40. This instruction will automatically expire 5 years after its issuance date unless reissued or canceled prior to the 5-year anniversary date, or an extension has been granted.

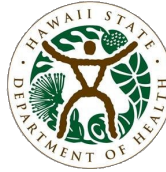


R. A. ESPINOSA
Chief of Staff
Acting

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Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

Line of Evidence 2a

Water within the Distribution System does not exceed State and Federal Drinking Water MCLs, Specified State EALs, and ISPs

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination remains in the system and water chemistry concerns are addressed.

Objective 2a - Water within the distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Zone flushing plan demonstrates entire distribution system is flushed.
- Sample results show the water in distribution system does not exceed State and Federal DW MCLs, specified State EALs, and ISPs. (Guidance Table 2 and Table 3)
- Drinking water does not show sheen, olfactory evidence, or other qualitative methods of petroleum.

Lines of Evidence	Completion Status	Outstanding Items
JBPHH water system's approach to flushing and their metrics for success.	Complete	<ul style="list-style-type: none"> • None.
Validity of the volumetric exchange model	Complete	<ul style="list-style-type: none"> • None.
Verification that the entire distribution system is flushed volumetrically.	Complete	<ul style="list-style-type: none"> • None.
Residential Sampling Report for Flushing Zone (Risk Management Summary)	Complete	<ul style="list-style-type: none"> • None.

February 19, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 2A – WATER WITHIN THE DISTRIBUTION SYSTEM DOES NOT EXCEED STATE AND FEDERAL DW MCLs, SPECIFIED STATE EALs, AND ISPs

Encl: (1) 2a.1 Memorandum for Record
(2) 2a.2 Validity and Application of Volumetric Exchange Method
(3) 2a.3 Hydraulic Model
(4) 2a.4 Records of Completed Volumetric Exchanges
(5) 2a.5 Water Source and Water Storage Facilities
(6) 2a.6 Distribution System Exceedance Investigation Summary and Results

1. Enclosures (1) through (6) document completion of Line of Evidence 2a, that water within the Zone D2 distribution system does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the Joint Base Pearl Harbor-Hickam (JBPHH) distribution network. Zone D2 is part of the JBPHH Drinking Water system that is operated and maintained by the United States Navy. Flushing operations for Zone D2 are summarized in Enclosure (1), signed by LCDR Carl Chase, team lead for the Drinking Water Distribution System Recovery Team.

2. Details on the drinking water system and flushing operations and protocols are provided in Enclosures (1), (3), and (5). The guidance provided by Dr. Whelton on the recommended volume exchanges to be flushed in the distribution system is provided in Enclosure (2).

3. The records of the distribution system volumetric exchanges flushed are provided in Enclosure (4). Level 2 sampling data collected after distribution flushing is summarized in Enclosure (6).

4. Sample results with analyte detections exceeding the prescribed MCL, EAL, or ISP are documented in Enclosure (6). The follow-on investigation summary and additional sampling results are also documented in Enclosure (6).

5. The information provided in Section 2a, including the flushing process followed and the subsequent sampling results, demonstrate that water within the Zone D2 distribution system does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters.

6. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOP
HER.JAMES.154019
4862

Digitally signed by
WETZEL.CHRISTOPHER.JAMES.15
40194862
Date: 2022.02.19 19:37:51 -08'00'

C. J. Wetzel
LT, CEC, USN

MEMORANDUM FOR THE RECORD

From: LCDR Carl Chase, JBPHH Drinking Water Distribution System Recovery Team
To: Interagency Drinking Water System Team

Subj: DISTRIBUTION SYSTEM RECOVERY PLAN ADDENDUM – ZONE D2 ANALYSIS

Ref: (a) Memorandum for the Record from LCDR John Daly regarding the Distribution System Zone Flushing, December 28, 2021
(b) State of Hawaii Department of Health, Directive One– Flushing Requirements Navy Water System Incident, Case No.: 20211128-1848 (HI Directive One, dated 08 December, 2021)
(c) Drinking Water Distribution System Recovery Plan, 17 December 2021
(d) Incident Specific Criteria to Meet Lines of Evidence Objectives 1c and 2a, dated 05 January 2022

1. OBJECTIVE: The Drinking Water Distribution System Recovery Plan (DWDSRP) was signed by the Interagency Working Group on 17 December 2021. This addendum provides additional technical information to document the system flushing methodology and engineering approach used to restore Flushing Zone D2 to service as requested by the State of Hawaii Department of Health (HI DoH) in reference (d).

2. BACKGROUND:

2.1. Portions of the Navy water distribution system serving JBPHH and surrounding areas were exposed to low levels of fuel contamination with initial indications in the form of smell reports occurring on or about 28 November 2021.

2.2. Prior to the aquifer contamination incident (incident), water users connected to the Navy's system were supplied by three Navy owned water sources, Red Hill Shaft, Aiea/Halawa Shaft and Waiawa Shaft. In the time period prior to the incident, Waiawa Shaft was the main water source supplying approximately 16 million gallons per day (MGD) to the JBPHH system with at least one pump operating full time (100%). A single Red Hill Shaft pump was operated intermittently as a secondary source to supply approximately 5.5 MGD to the system. The Aiea/Halawa shaft was not being operated due to concerns over high chloride concentrations caused by saltwater intrusion into the aquifer.

2.3. On the evening of 28 November 2021, the Red Hill Shaft was secured and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on 28 November 2021 but was shut down on 03 December 2021 to prevent westward contaminant migration in the aquifer.

2.4. Since 03 December 2021, Waiawa Shaft has been the sole water source providing potable water to the distribution network. It is located 5.5 miles west of the Red Hill Fuel Facility and testing has not found any water quality issues at this source.

3. ENGINEERING ANALYSIS AND TOOLS: DWDSRP development utilized engineering judgement informed by existing tools and data sources such as ArcGIS, Supervisory Control and Data Acquisition (SCADA) system historic/current data, hydraulic models, and input from water system infrastructure contamination subject matter experts (SMEs).

3.1. ArcGIS was the primary tool used for mapping, volumetric calculations, and spatial analysis of the JBPHH utility systems.

3.2. System flows were measured by meters at key points within the distribution system. Data was recorded and stored by the Navy's SCADA system historian. SCADA is also monitored 24/7 by water system operators.

3.3. A hydraulic model was developed in 2014 and calibrated to conditions at the time. It is a skeletonized model depicting major transmission lines to many areas of the base. It does not include all mainline pipes, the Hickam area, or laterals feeding residence and non-residence facilities. The model was considered to be of limited use in determining the effectiveness of system flushing. It was primarily used to determine areas that were most likely impacted by the contamination event. The results directly correlated with initial reporting from impacted residents.

3.4. Dr. Andrew Whelton, a Purdue University associate professor of civil, environmental, and ecological engineering and recognized for his expertise in disaster response and recovery, provided recommendations to the US Navy based on his research and experience. His work is often cited in EPA literature and he is a leading expert in the field of recovering contaminated drinking water plumbing. His recommendations were incorporated into the DWDSRP.

4. CONSTRAINTS: In addition to Section 1.3 of the DWDSRP, the following constraints were considered during development of the plan:

4.1. Waiawa Shaft pumps are capable of pumping 19 MGD with 2 pumps running at full speed. There are 4 pumps at Waiawa Shaft, 2 are operational, one is standby, and one is down for maintenance. Average daily demand at JBPHH since the incident has ranged from 11 to 14 MGD. Maximum potable water system flushing flows were limited to 5 MGD to avoid excessive drawdown of the S1/S2 tanks and stay within the capacity of Waiawa Shaft pumps.

4.2. The two 6 million gallon (each) tanks, S1 and S1 could not be drawn down below the 28-foot level. This constraint was imposed by the water system operators who wanted to avoid low water system pressures that would be caused by S1/S2 drawdown below 28-feet.

4.3. Discharge to the Navy's sanitary sewer system and the Fort Kamehameha Wastewater Treatment Plant (Ft. Kam WWTP) was limited to 1 MGD by wastewater operations staff. Much of the infrastructure Ft. Kam WWTP was considered to be in poor condition and some process elements do not have a backup unit. The direct discharge of too much potable water to the plant was also thought to pose the risk of "wash out" of the microbes that provide secondary treatment.

4.4. Discharges of potable water to land or storm sewers were required by HI Directive One to be treated prior to discharge. Treatment was provided through 1 MGD mobile granular activated carbon (GAC) units. The units had several constraints on their use including site access, adequate staging areas that were level with sufficient area for the units and support crews, impacts to the community, traffic control, and distance to discharge. Each GAC was kept in a single location for at least 24 hours due to labor and time required for unit setup and breakdown.

4.5. Water service was required be maintained to residents and JBPHH tenants. Many families have remained in their homes and mission essential Government activities require continuous water service.

4.6. JBPHH did not have an established unidirectional flushing plan developed prior to the incident. Unidirectional flushing typically involves inducing one-way flow through each pipe segment in a water distribution system by closing mainline isolation valves and opening hydrants for a short period of time. The number of hydrants required would be determined by the pipe size and the minimum water velocity required to flush sediments and other contaminants from the pipe segment. True unidirectional flushing of the system was determined not to be a feasible method for flushing the JBPHH potable water system for the following reasons:

4.6.1. Per section 1.2 of the DWDSRP, the distribution system was to be recovered with critical urgency. Additionally, SMEs advised that the longer contaminants remained in the system, the more likely it was that they would migrate into plastics, gaskets, sediments, etc. A unidirectional flushing program would take several months to develop and implement and the timeline was not considered feasible for a return to service.

4.6.2. Water system operators indicated that many mainline isolation valves would not properly close and could not be relied upon to isolate pipe segments.

4.7. Dr. Whelton recommended three volumetric turnovers for impacted pipe networks. Flushing zones with higher risk of contamination were identified and prioritized using water user complaint history, testing results, the hydraulic model, and the hydraulic proximity to Red Hill Shaft. A factor of safety was applied to the highest priority zones by specifying a minimum of five volumetric turnovers. Zones where the hydraulic modelling indicated that contamination may have travelled, were in close hydraulic proximity to Red Hill Shaft, and had few complaints were flushed with the recommended three volumetric turnovers. Low priority was given to zones where SCADA data indicated that water was fed solely from Waiawa Shaft before and after the incident. To reduce water waste, flush zones with lower risk of contamination were volumetrically turned over a minimum of once or twice.

5. Following Dr. Whelton's recommendation, the DWDSRP was designed with a directional flush of the distribution system starting from the clean water source and moving systematically through the entire system. The limited water source capacity at Waiawa Shaft and disposal constraints required that the system be broken down into smaller flush zones. 19 total zones were established that could be independently flushed without adverse hydraulic or water quality impacts to previously flushed zones. Section 2.4 of the DWDSRP depicts the network diagram and zone relationships.

6. FLUSH ZONE D2:

6.1. DESCRIPTION OF FLOW: This zone is primarily fed from Zone D1 located to the north via three parallel (18-, 24-, and 30-inch) transmission mains. Depending on demands, this zone may also be fed through D3 which is interconnected with Zones F1 and F2. Possible water sources to the zone include Waiawa Shaft, Red Hill Shaft and the S1/S2 tanks. Flow is generally from north to southwest through the zone. A schematic representation of Zone D2 is included in Figure 1.

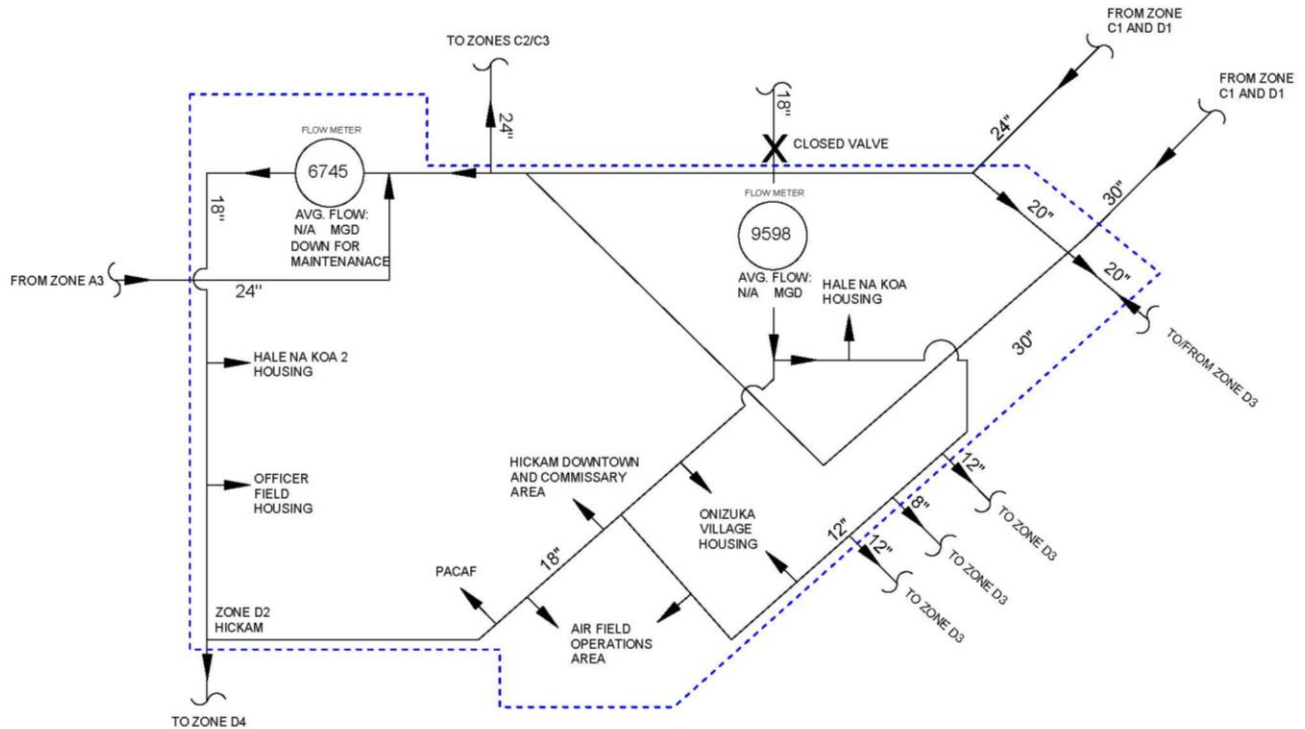


Figure 1. D2 Schematic

6.1.1. Downstream zones include zones D3 and D4. A3 may also be considered a downstream zone prior to the incident. The interconnection connecting Zone A3 and the “D” zones was closed on 05 December 2021 and has not been reopened.

6.2. WATER USE/TENANTS: Water users in this zone are mostly residential housing tenants located in the Hale Na Koa, Hale Na Koa 2, Officer Field Housing, and Onizuka neighborhoods. There is one school, the Hickam Elementary School. Operational tenant facilities include a large administrative office facility that houses Pacific Air Forces Command along with other Air Force warehouse, maintenance, and hangar facilities associated with Hickam airfield. The Hickam Downtown area includes commissary, restaurants, and other community support establishments.

6.3. PIPE VOLUME: Per section 2.5.1.1. of the DWDSRP, Flush Zone D2 has a mainline pipe volume of 890 thousand gallons (KGal). With the exception of the main transmission pipelines, mainline pipes in the zone are 6 to 12 inches in diameter.

6.4. PRIORITY: It was possible that contamination entered the Zone D2 water distribution system from upstream zones. Zone D2 was included in Phase #2 with three volumetric turnovers minimum.

6.5. HYDRANT SELECTION: Sixteen geographically and hydraulically dispersed flushing hydrants were selected to flush Zone D2. The water distribution network is well-looped so hydrants were selected so that they would “pull” water through the pipe network between the flushing hydrant and the larger transmission mains feeding the zone.

6.5.1. Hydrant 074 was selected because it was in close proximity to the Hickam Elementary School.

6.5.2. Hydrants 331, 6, 041, 276, 030, 019, 105, 003, 061 and 429 were selected to be well geographically distributed in the PACAF and Hickam Downtown areas in the south/center portion of the zone so that water would be pulled from the main connection points to the northern 24-inch transmission main south through the distribution system network serving the neighborhoods located in-between.

6.5.3. Hydrants 236, 280, 363, 293 and 301 were selected to flush water from the distribution networks serving the Hale Na Koa and Hale Na Koa 2 neighborhoods.

6.6. DEAD-END LINES: It is possible that flushing was not induced in some small neighborhood loops or longer dead-end lines serving facilities or piers. To address this concern, additional distribution water line samples were taken in locations selected in a joint effort by the Navy, DoH, and EPA. These samples are representative of other dead-end lines within the zone.

6.7. FLUSHING ACTUALS: Water was simultaneously discharged through:

003		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
30-Dec	8:00	20:00		15:57	4:03	20211230 0800-2000	N/A		
30-Dec		20:00	8:00		12:00	20211230 2000-0800	N/A		
31-Dec	8:00	20:00		9:14	1:14	20211231 0800-2000	N/A		
<div> TOTAL RUN @ FLOW of 200 TIME 17:17 VOLUME 281027 Gallons </div>									

019		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
26-Dec	8:00	14:00		9:37	4:23	20211226 0600-1400	N/A		
26-Dec	14:00	22:00		19:01	5:01	20211226 1400-2200	N/A		
<div> TOTAL RUN @ FLOW of 200 TIME 9:24 VOLUME 152844 Gallons </div>									

6		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
27-Dec	20:00	8:00		20:07	11:53	20211227 2000-0800	N/A		
28-Dec	8:00	20:00			12:00	20211228 0800-2000	N/A		
28-Dec	20:00	8:00			12:00	20211228 2000-0800	N/A		
29-Dec	8:00	20:00			12:00	20211229 0800-2000	N/A		
29-Dec	20:00	8:00			12:00	20211229 2000-0800	N/A		
30-Dec	8:00	20:00		15:10	7:10	20211230 0800-2000	N/A		
30-Dec	8:00	20:00		17:40	2:20	20211230 0800-2000	N/A		
30-Dec	20:00	8:00			12:00	20211230 2000-0800	N/A		
31-Dec	8:00	20:00		11:30	3:30	20211231 0800-2000	N/A		
<div> TOTAL RUN @ FLOW of 100 TIME 84:53 VOLUME 115950 Gallons </div>									

030		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
27-Dec	8:00	20:00		19:50	0:10	20211227 0800-2000	N/A		
27-Dec	20:00	8:00			12:00	20211227 2000-0800	N/A		
28-Dec	8:00	20:00		10:30	2:30	20211228 0800-2000	N/A		
<div> TOTAL RUN @ FLOW of 200 TIME 14:40 VOLUME 238480 Gallons </div>									

041		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
28-Dec	8:00	20:00		10:47	18:00	7:13	20211228 0800-2000	Y	
<div> TOTAL RUN @ FLOW of 200 TIME 7:13 VOLUME 117343 Gallons </div>									

061	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
28-Dec	20:00	8:00		22:38	10:22	20211228 0000-0900	N/A	
29-Dec	8:00	20:00		14:30	6:30	20211229 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME16:52</div><div>VOLUME274252 Gallons</div></div>								

236	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
28-Dec	20:00	8:00		21:58		10:02 20211228 0000-0800	N/A
29-Dec	8:00	20:00		14:37		6:37 20211229 0800-2000	N/A
TOTAL RUN @ FLOW of 200							
TIME 16:39							
VOLUME 270729 Gallons							

074	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
27-Dec	20:00	8:00		20:22	11:38	20211227 2000-0900	N/A	
28-Dec	8:00	20:00		10:31	2:31	20211228 0900-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME14:09</div><div>VOLUME230079 Gallons</div></div>								

276	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
30-Dec	8:00	20:00		13:07 15:07	2:00	20211230 0800-2000	N/A
30-Dec	8:00	20:00		17:50	2:10	20211230 0800-2000	N/A
30-Dec	20:00	8:00			12:00	20211230 2000-0800	N/A
31-Dec	8:00	20:00		8:17	0:17	20211231 0800-2000	N/A
<div>TOTAL RUN @ FLOW of 200</div> <div>TIME 16:27</div> <div>VOLUME 267477 Gallons</div>							

105	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
28-Dec	20:00	8:00		21:25	10:35	20211228 2000-0800	N/A	
29-Dec	8:00	20:00			15:10	7:10 20211229 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME17:45</div><div>VOLUME288615 Gallons</div></div>								

280	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
28-Dec	20:00	8:00		22:41		9:19 20211228 2000-0800	N/A
29-Dec	8:00	20:00		14:46		6:46 20211229 0800-2000	N/A
<div>TOTAL RUN @ FLOW of 200</div> <div>TIME 16:05</div> <div>VOLUME 261515 Gallons</div>							

293	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
27-Dec	20:00	8:00		1:08	6:52	20211227 2000-0800	N/A
28-Dec	8:00	20:00			9:39	1:39 20211228 0800-2000	N/A
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME8:31</div><div>VOLUME138481 Gallons</div></div>							

363	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
30-Dec	8:00	20:00		11:31	11:48	0:17 20211230 0800-2000	N/A	
30-Dec	8:00	20:00		12:48	15:00	2:12 20211230 0800-2000	N/A	
30-Dec	8:00	20:00		18:00		2:00 20211230 0800-2000	N/A	
30-Dec	20:00	8:00			12:00	20211230 2000-0800	N/A	
31-Dec	8:00	20:00			9:04	1:04 20211231 0800-2000	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME17:33</div><div>VOLUME285363 Gallons</div></div>								

301	Shift		Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
28-Dec	20:00	8:00		20:00	12:00	20211228 2000-0800	N/A
29-Dec	8:00	20:00			14:00	6:00 20211229 0800-2000	N/A
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME18:00</div><div>VOLUME292680 Gallons</div></div>							

429	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
30-Dec	8:00	20:00		11:22	16:35	8:35 20211230 0800-2000	N/A	
30-Dec	20:00	8:00		0:37	5:49	5:12 20211230 2000-0800	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME13:47</div><div>VOLUME224117 Gallons</div></div>								

331	Shift			Flush Time			Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
30-Dec	20:00	8:00		1:12	5:46	4:34 20211230 2000-0800	N/A	
<div><div>TOTAL RUN @ FLOW of 200</div><div>TIME4:34</div><div>VOLUME74254 Gallons</div></div>								

Hydrant	Volume
003	181,027
6	115,950
019	152,844
030	238,490
041	117,343
061	274,252
074	230,079
105	288,615
236	270,729
276	267,477
280	261,515
293	138,481
301	292,680
331	74,254
363	285,363
429	224,117
TOTAL	3,513,206

6.7.7. The total volume flushed through the system was 3,513 KGal for 4 volumetric turnovers. Actual volumetric turnovers exceeded the minimum requirement.

6.8. SCADA DATA: SCADA was an effective tool when meters were located at both the entrance and exit of the zone. Due to the distribution network scale and lack of meters in this zone, information from SCADA provided limited use.

February 15, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: VALIDITY AND APPLICATION OF VOLUMETRIC EXCHANGE METHOD

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Dr. Whelton email documenting volumetric exchange method dtd 08 JAN 22

1. This letter documents the basis of the volumetric exchange method used in the development of reference (a). The basis of the flushing method was based on two key recommendations from Dr. Whelton, who served as the Navy's consultant in the early stages of the incident. Enclosure (1) documents key recommendations from Dr. Whelton which included flushing from a clean source, systematically moving through the entire system, and flushing at least three times the pipe volume. Rules of three is what Dr. Whelton generally recommends.

2. Reference (a) incorporated the recommendations from Dr. Whelton by creating a flushing sequence that began with clean water from the Waiawa shaft and flushing systematically through the entire system. The volumetric exchanges for each zone and zone flushing sequence plan was developed by Navy engineers. This is outlined in table 2.4, Distribution System Recovery Plan Diagram, and section 2.5, Flushing Plan Phasing, of reference (a). A safety factor was applied to the rule of three to obtain five volumetric turnovers for the phase 1 zone areas. Phase 2 zone areas had three volumetric turnovers. Phase 3 zone area had two volumetric turnovers and phase 4 zone areas had one volumetric turnover. The phase 3 and phase 4 zone volumetric turnover determinations were made after considering the up-gradient zone flushing volumes and the non-potable use of water in the zones.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL.WAYNE.JR. Digitally signed by
MENO.MICHAEL.WAYNE.JR.
1088310035 Date: 2022.02.15
07:17:55 -10'00'

M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

****Phone numbers have been redacted****

From: Whelton, Andrew J <[REDACTED]>
Sent: Saturday, January 8, 2022 4:58 AM
To: Lee, Andre K (NAVFAC HI BD) CIV USN NAVFAC HAWAII PEARL (USA) <[REDACTED]>
Cc: Isaacson, Kristofer P <[REDACTED]>; Proctor, Caitlin Rose <[REDACTED]>
Subject: [URL Verdict: Neutral][Non-DoD Source] RE: Cross Connection Control Plan and Flushing Plan documentation requirements for DoH

LCDR Daly,

I am free to talk later this afternoon today if you want. I'm Mountain Standard Time.
Below is some information.

Andy
[REDACTED]

FEEDBACK

1. You applied unidirectional flushing and if you opened hydrants fully you likely maximized velocity in the pipes you were flushing. The issue they seem to be getting at is scouring velocity which you identify. This is used for removing sediment (typical cleaning of water pipes) as you know. There is no SOP for water contamination response and recovery, so you applied standard water distribution system maintenance practice of unidirectional flushing. This is good. The state I think invoked water main disinfection standard which, to my knowledge isn't applicable here unless you conducted shock disinfection.
 - a. For perspective, per a Water Research Foundation study: Microbial Control Strategies for Main Breaks and Depressurization, Project 4307. Published 2014. Denver, Colorado.
 1. Scouring velocity helps removed sediment from water mains/pipes. To achieve 2.5 to 3 log removal of sand particles for 4-to-16-inch diameter PVC pipes, 3 ft/s is needed.
 2. In that report, to achieve this removal for a 6-inch diameter PVC pipe, Q was 308 GPM
 3. In that report, to achieve this removal for 4-inch diameter PVC pipe, Q was 137 GPM
 - b. We recommended starting flushing from the clean water source and moving systematically through the entire system in a unidirectional way. If you all did this, be sure to explain that. That helps minimize the change residual "old" water gets untouched, or is left in the system.
 - c. You could calculate scouring velocities in each of the areas. If any are lower than desired you can go back and just keep repeat flushing giving an added level of safely.
 - d. The state's interest in scouring velocity may be of concern that (JP-5?) free product adsorbed to sediment/scales and they want to be certain it got scoured out. If it didn't, it could dissolve it's constituents into water over time.
 - e. Dead-ends are really important. You need to specifically address how you will get that water out. In West Virginia, many weeks after the spill and utility had flushed out the black-licorice smelling contaminated water out someone in a distal part of the system complained about odor. To my recollection the utility thought it was psychological, but it turned out there was a dead-end they didn't flush. Somehow that contaminated water got drawn into a nearby home and someone was exposed.

- f. Question: How long was each hydrant open typically?
 - g. I think we mentioned flushing 3 times the pipe volume. Rules of three is what I often recommend. Flushing velocity is certainly important. I vaguely remember NAVFAC had contracted a consultant to create the flushing plan.
2. JP-5 isn't a single contaminant which we've talked about before. It's a mixture of 100s-1000s of individual chemicals. Even if JP-5 itself is hydrophobic and primarily found in emulsions or floating on the surface, some of these constituents will still diffuse into the water itself. The question they are likely after is how do you know you removed all parts of JP-5 that may have gotten entrained in the water system? This goes back to what chemicals are you testing for in the water distribution system. JP-5 constituents have different water solubility and octanol-water partitioning coefficients (Log Kow = How much they like to be in biofilm and plastics, not water). Additionally, the different materials (Metal vs PVC vs HDPE vs. gaskets) may be more prone to soaking up some JP-5 contaminants and not others depending on their characteristics. For example, PVC has been shown to be less susceptible to soaking up some crude oil-based contaminants than HDPE pipes (Huang et al. study with Whelton). Ultimately, the fate of the chemicals in the drinking water system will not be the same for all JP-5 constituents. Remember the drawing I drew on the whiteboard when meeting with CDR Chase, NAVFAC, COE, and Army? It showed different constituents may be in different parts of the water system. That's what DOH is likely after. Question to you: What wide screen testing have you done in the water distribution system since December 22? This can help you hunt down that the contaminants are present or gone.
 3. Escalation should be based on how much flushing you are okay with trying. If you want to remove and replace infrastructure (that has sometimes happened after other contamination events on the mainland and overseas), it's a viable but laborious option. As an extreme example, following the Camp Fire it was estimated it would take over a year of continuous flushing to return some contaminated pipes to safe use, so for some conditions they removed and replaced pipes. However, this flushing timeline will vary significantly depending on the water distribution systems and water testing results – AND chemicals or individual JP-5 constituents present. If I knew what the chemicals were still being found and what was done to try to get rid of them, I could give a more informed opinion. Food grade surfactants were used in Israel after a drinking water contamination incident...BUT using surfactants is not trivial and can cause all sorts of damage to water system components and leave residual. This probably isn't an email, but more discussion. Happy to talk. If you decide you want to go this way we should be more engaged technically in what this means. It's not likely an email response/effort, but more involved.
 4. Here's a paper where we reviewed petroleum (and other material) drinking water distribution and plumbing contamination incidents and flushing [Decontaminating chemically contaminated residential premise plumbing systems by flushing - Environmental Science: Water Research & Technology \(RSC Publishing\) DOI:10.1039/C5EW00118H](https://doi.org/10.1039/C5EW00118H). Unfortunately, when we went to

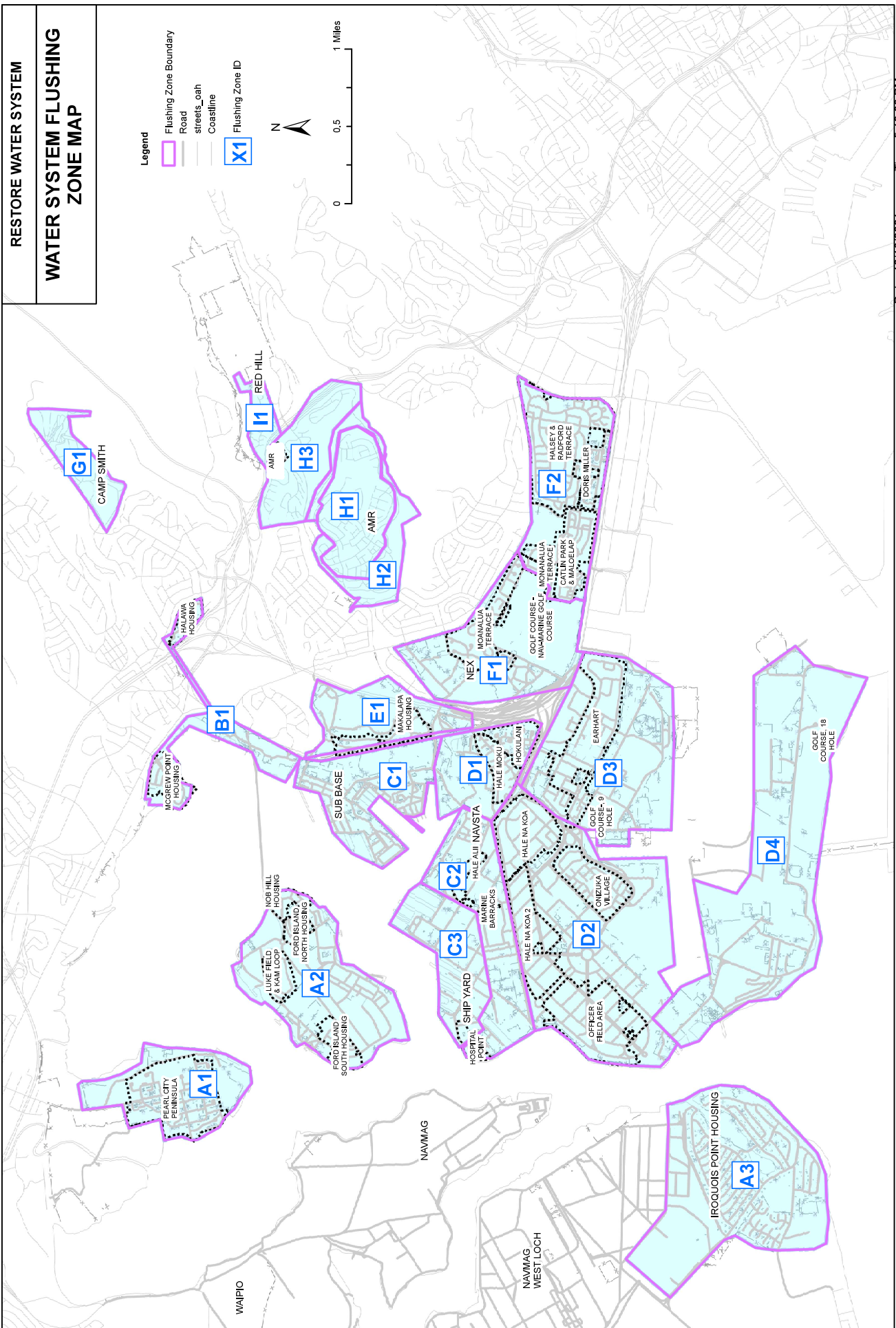
review the underlying evidence of each incident, often the utility and state didn't document much. Even incidents overseas had little documentation. It seems groups simply tried something, it did or didn't work, and they moved on. They also didn't sample much and rarely it an entire water distribution system that was affected.

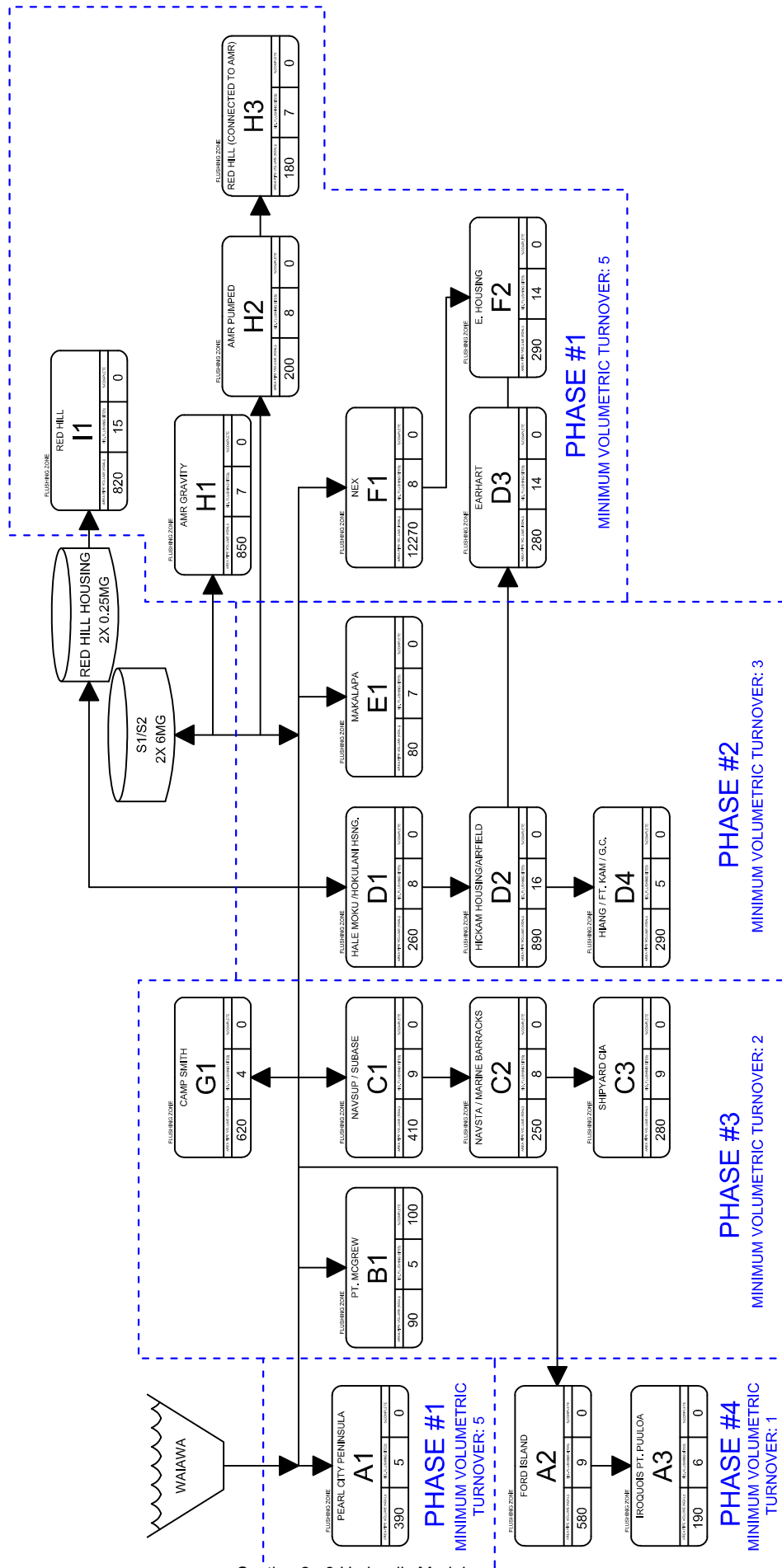
Again, I can get on a zoom call or phone this afternoon MST to connect. I was called into the Colorado wildfires to help the communities identify and design water sampling and recovery plans. We're getting data every day and meeting with state and federal agencies. This is the Marshall Fire and Middle Fork Fire. I apologize for the delayed response.

Andy

Cell/text: [REDACTED]

**Link to Dr.Whelton's Paper: <https://pubs.rsc.org/en/content/articlelanding/2015/ew/c5ew00118h>





Section 2a.3 Hydraulic Model



JBP HH Hydraulic Model

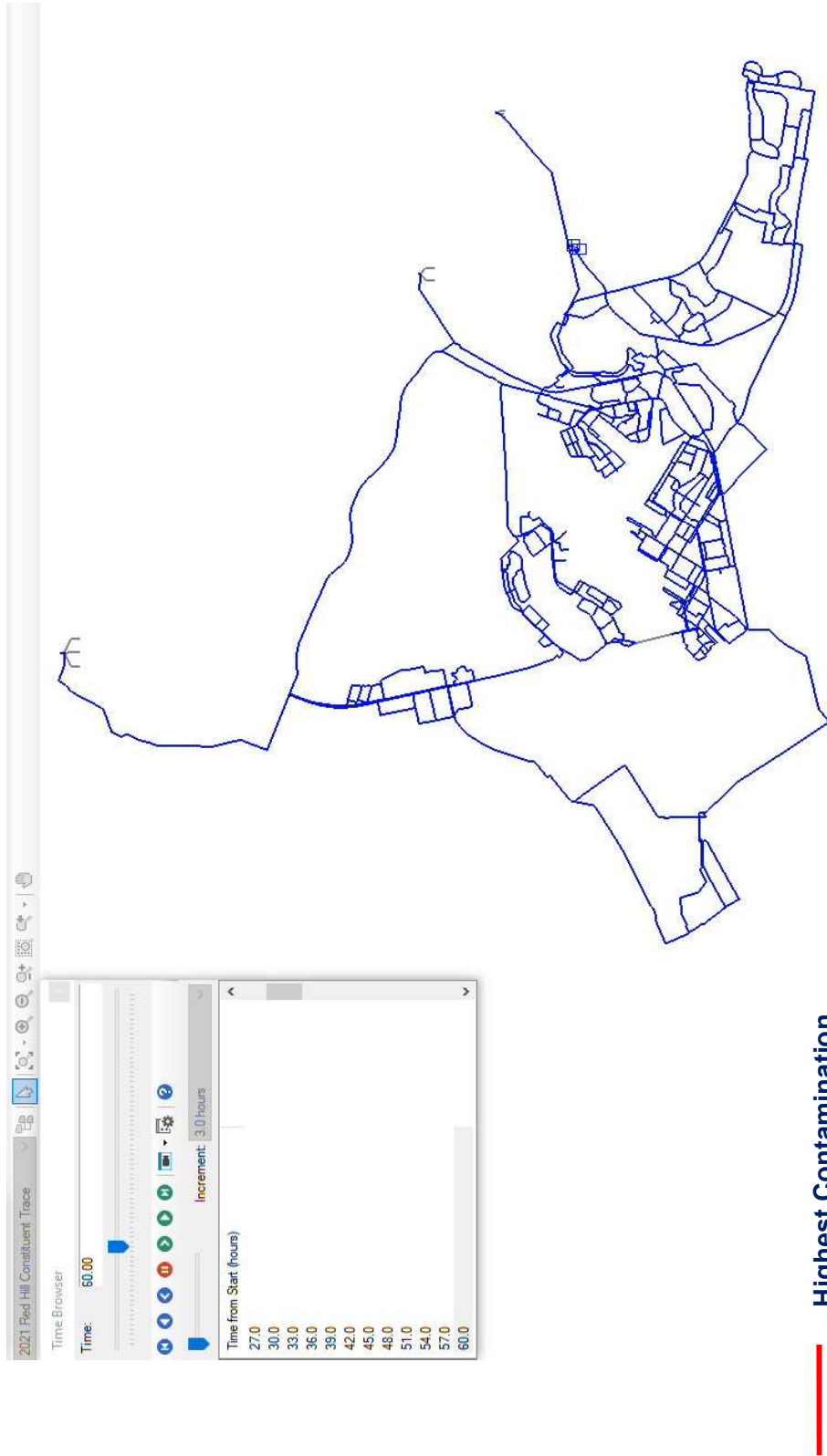
Interagency Drinking Water Supply Team

18 January 2022

CONTROLLED UNCLASSIFIED INFORMATION//CUI



JBP HH Hydraulic Model

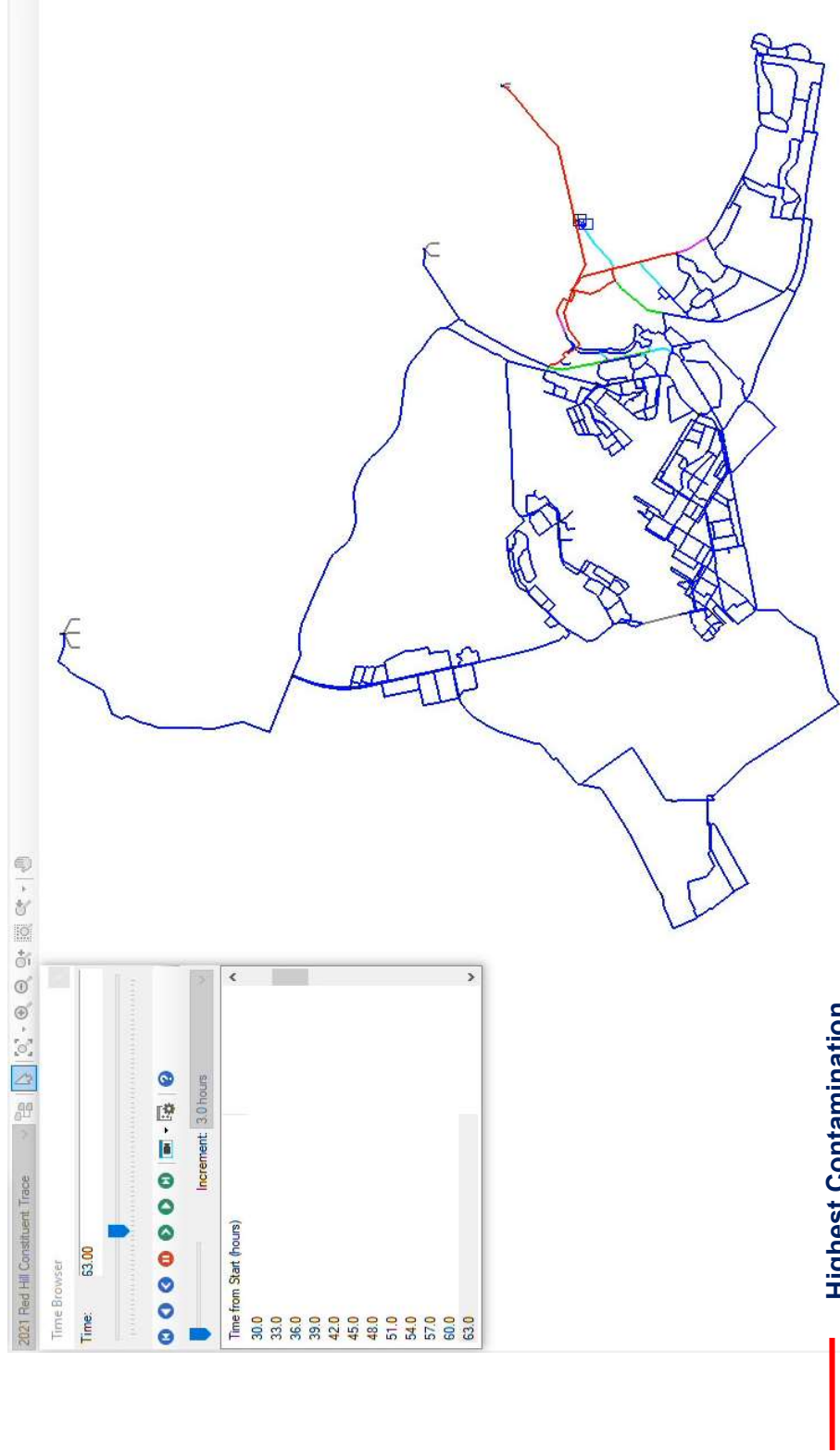


Highest Contamination

Lowest Contamination

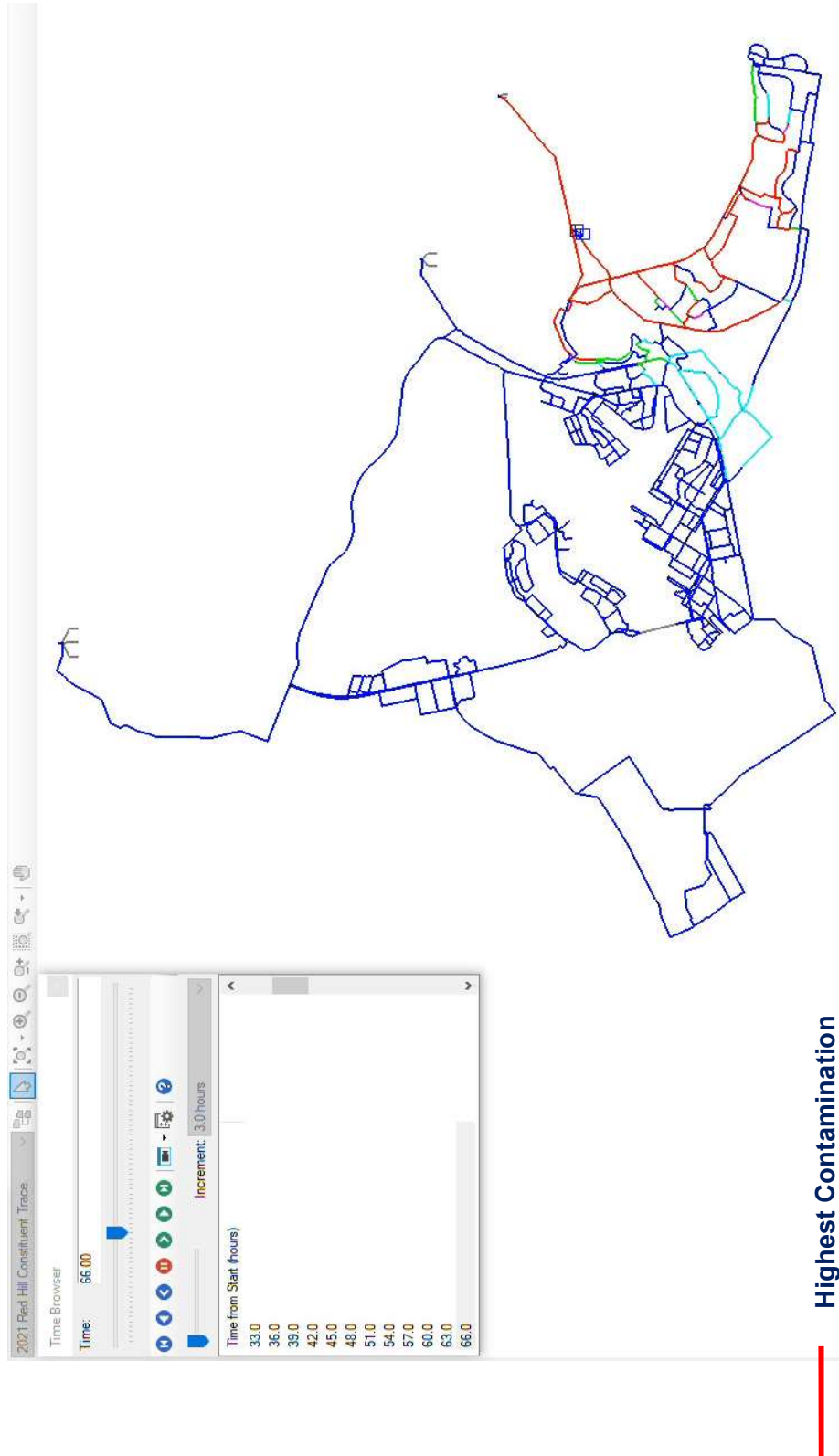


JBP HH Hydraulic Model



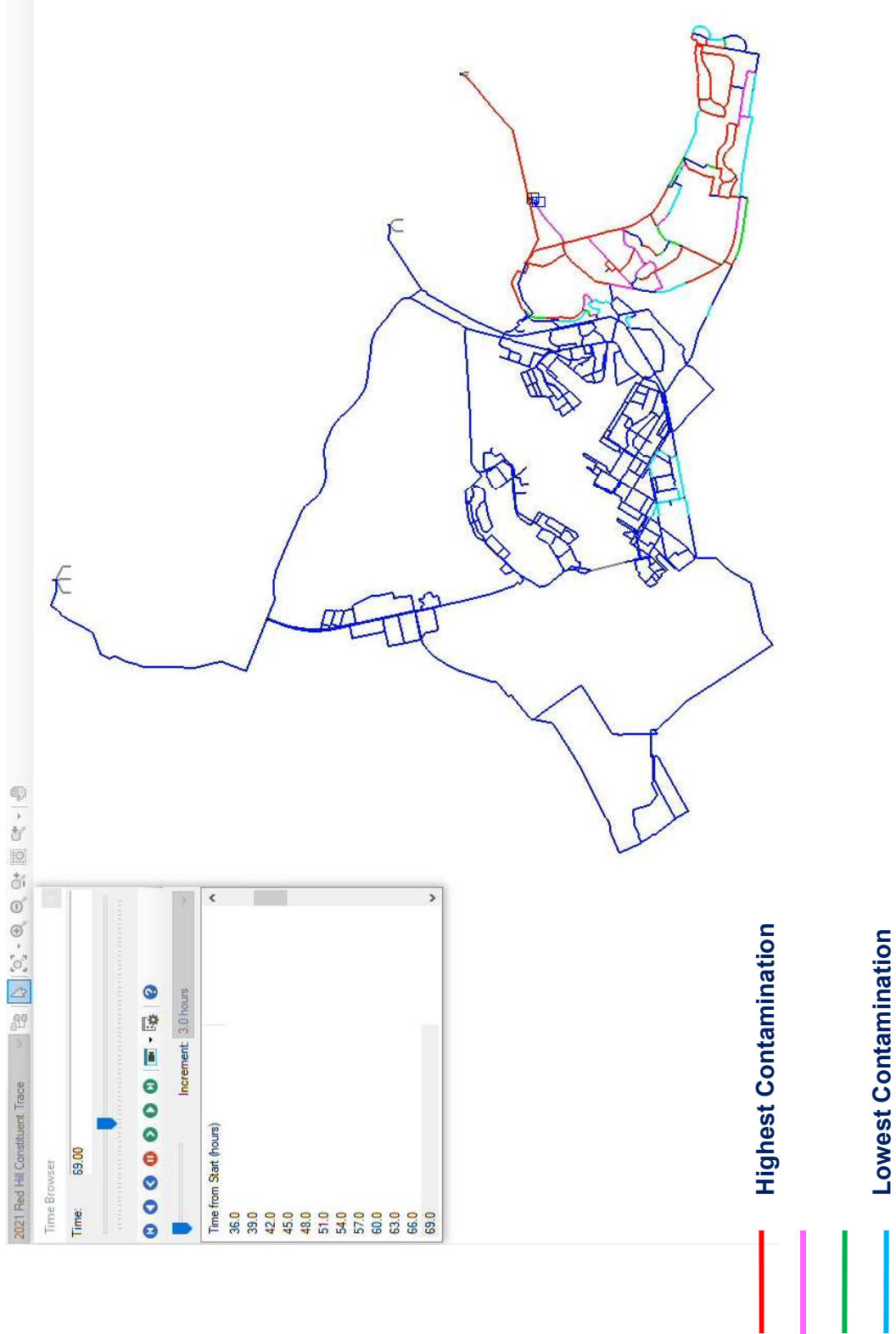


JBP HH Hydraulic Model

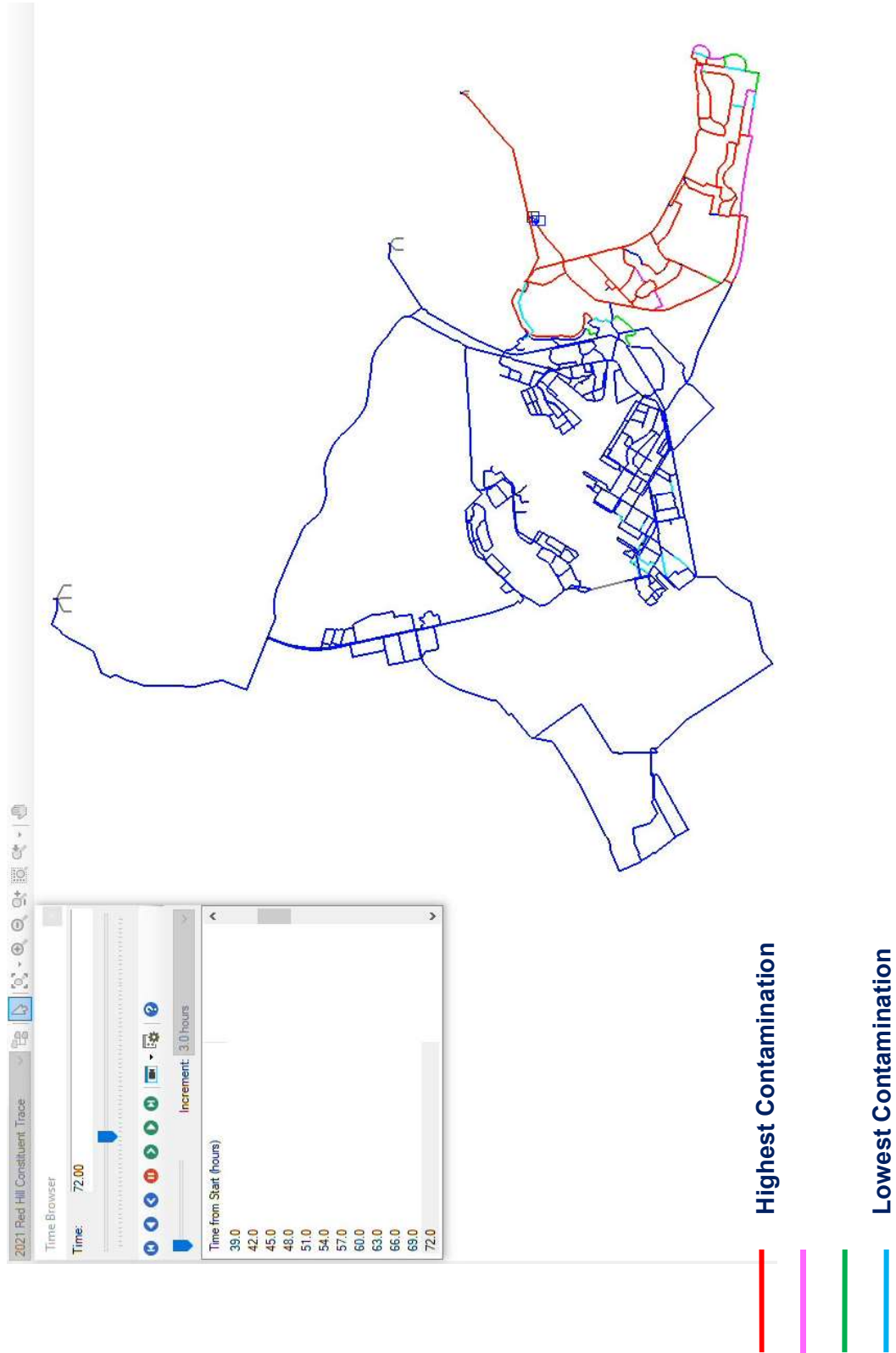




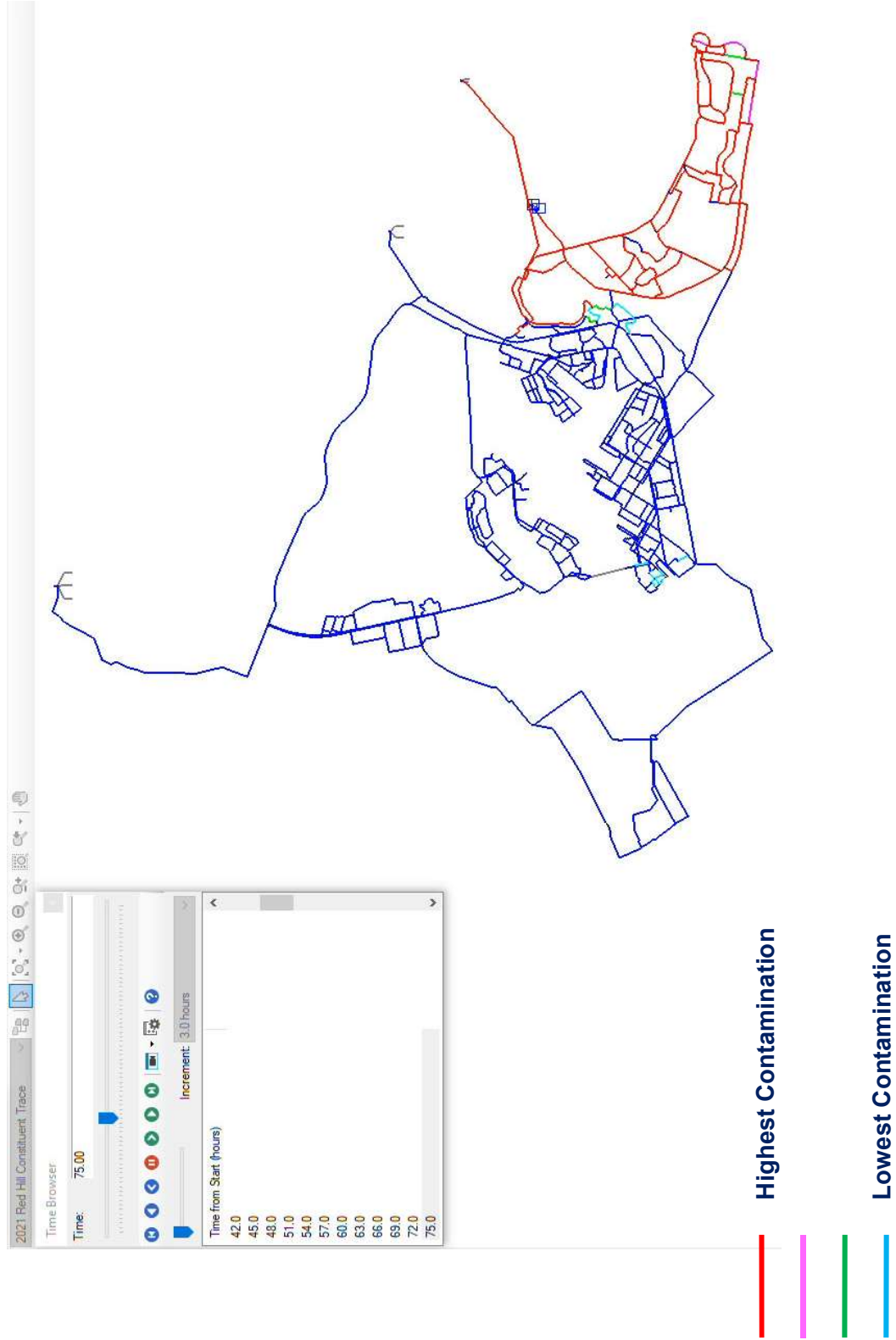
JBP HH Hydraulic Model



JBP HH Hydraulic Model

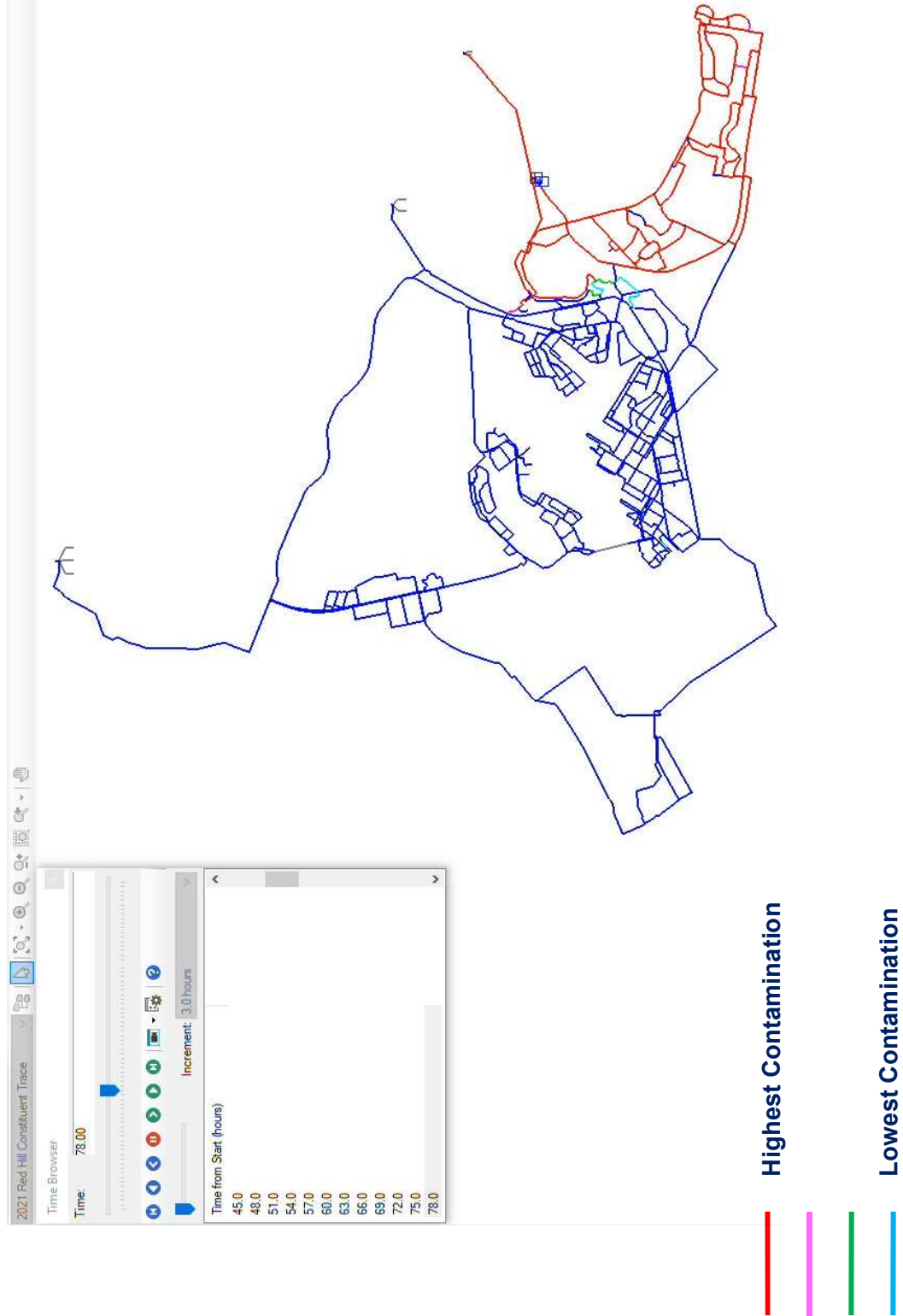


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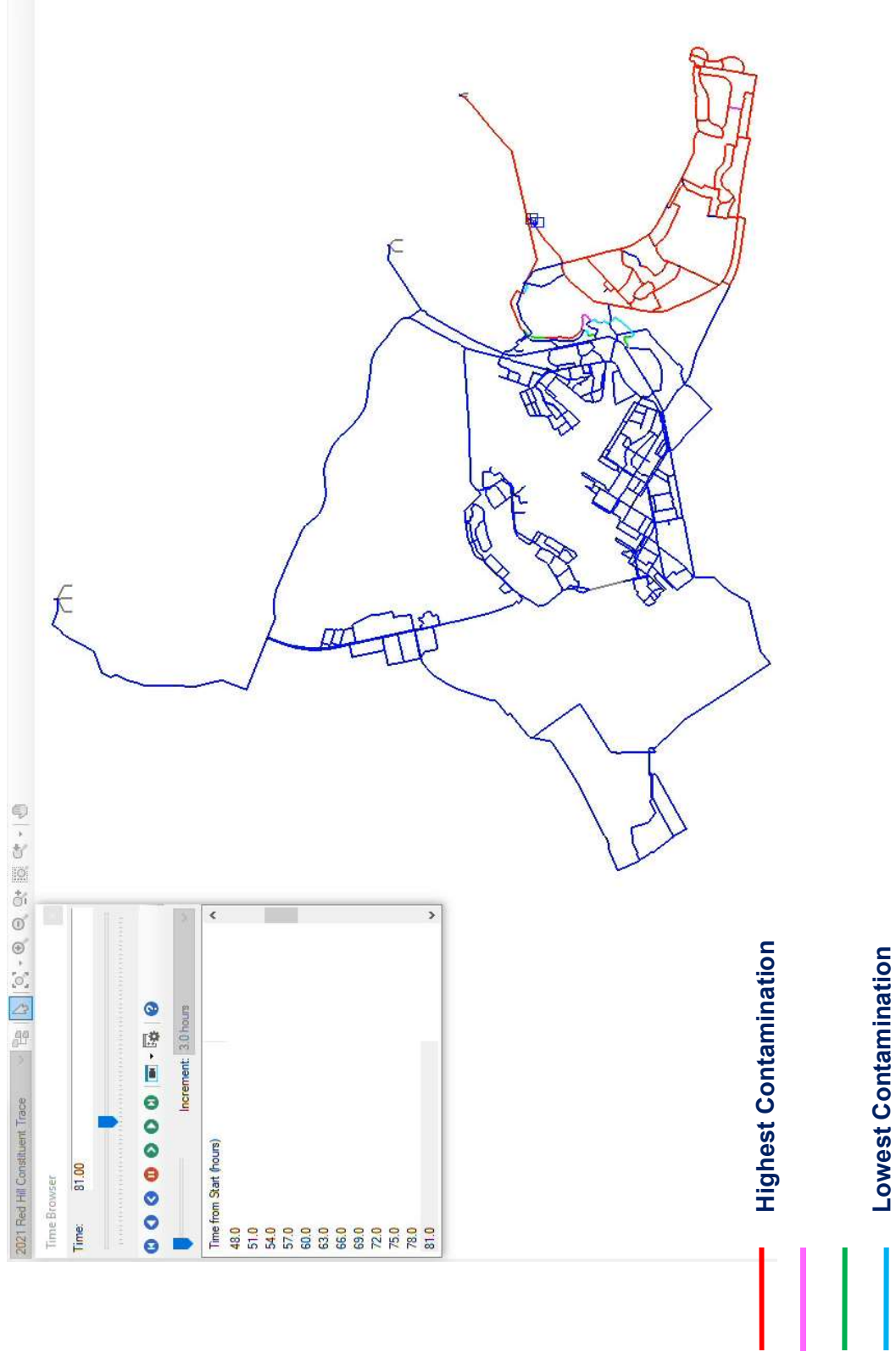


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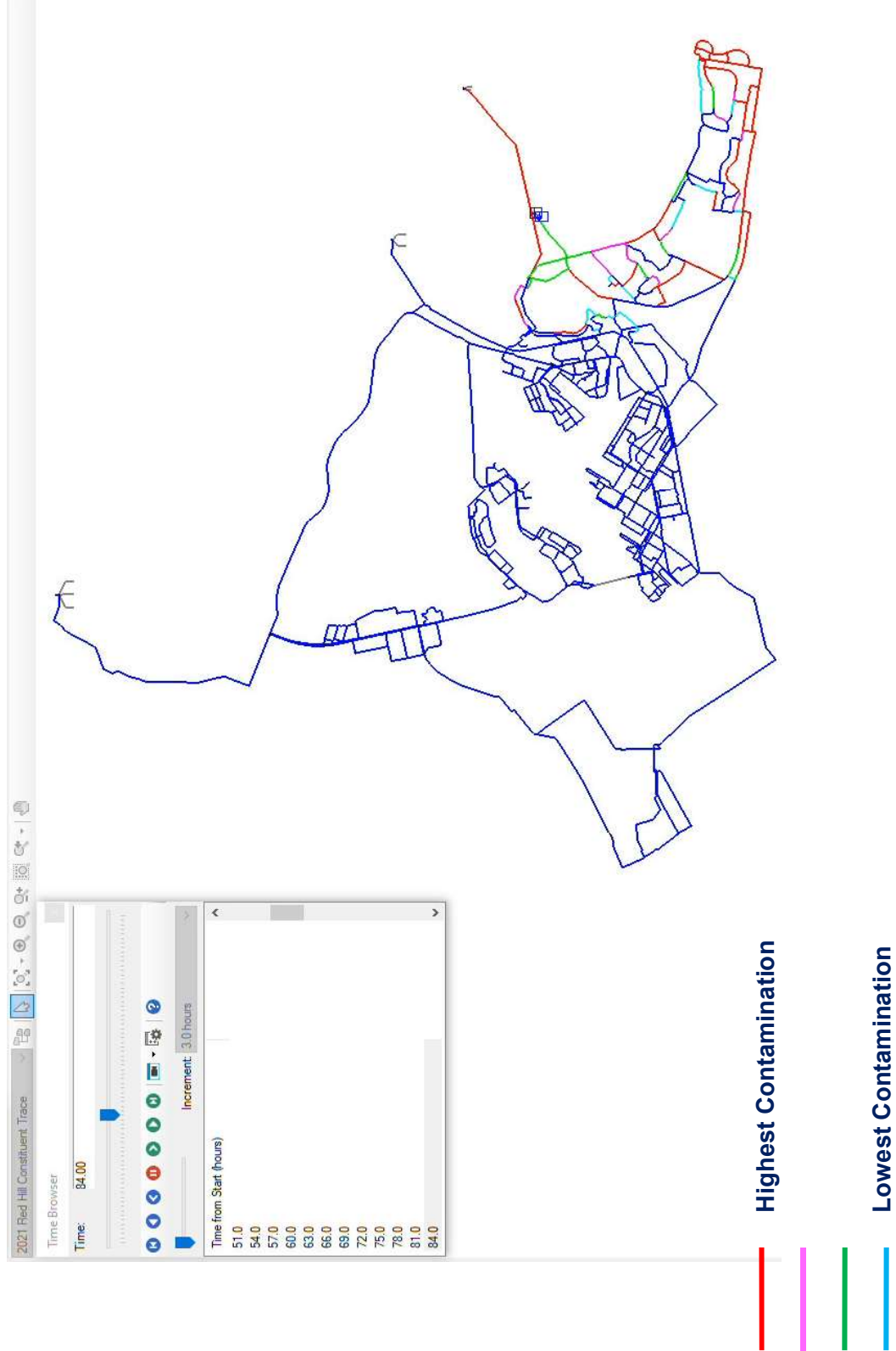


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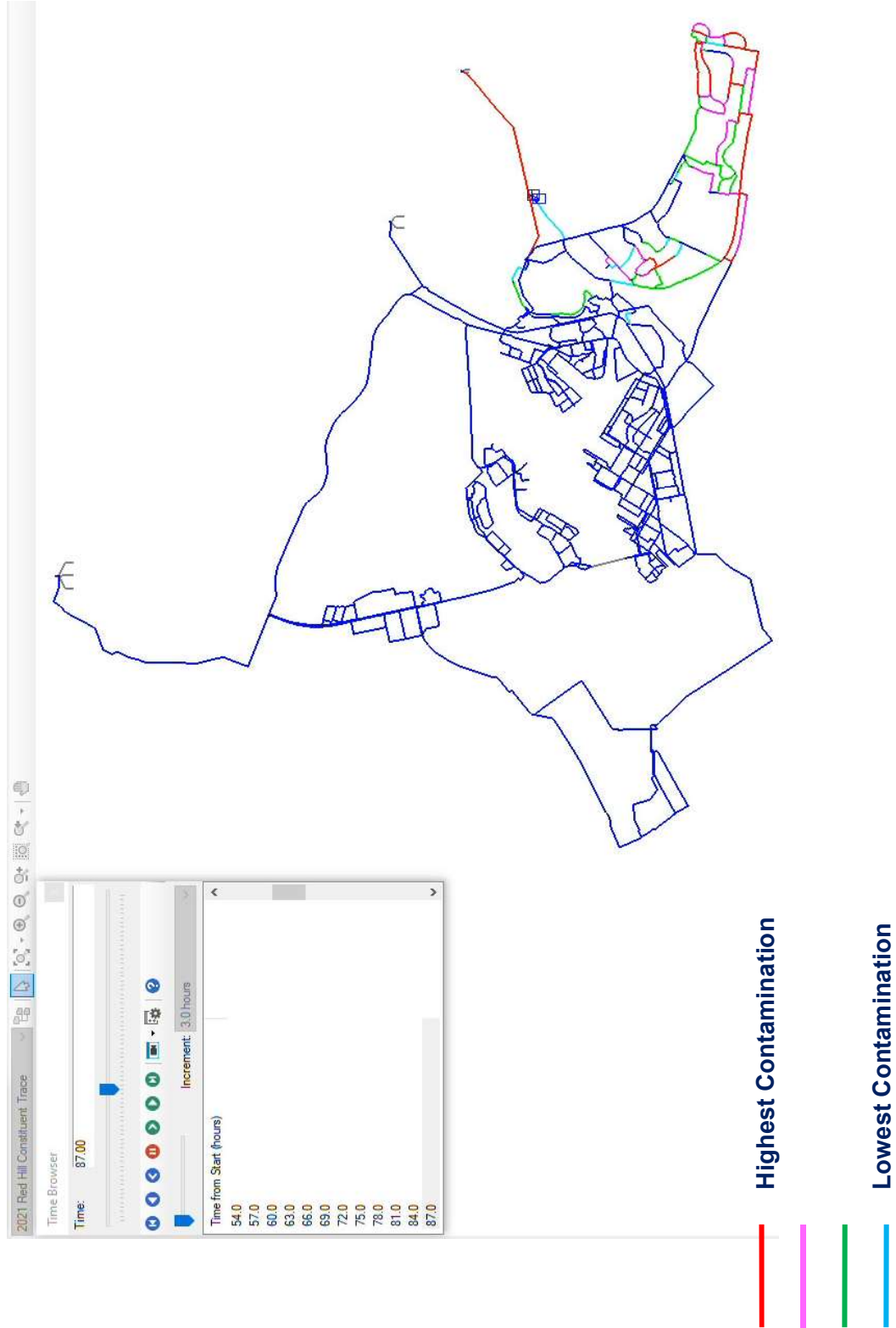


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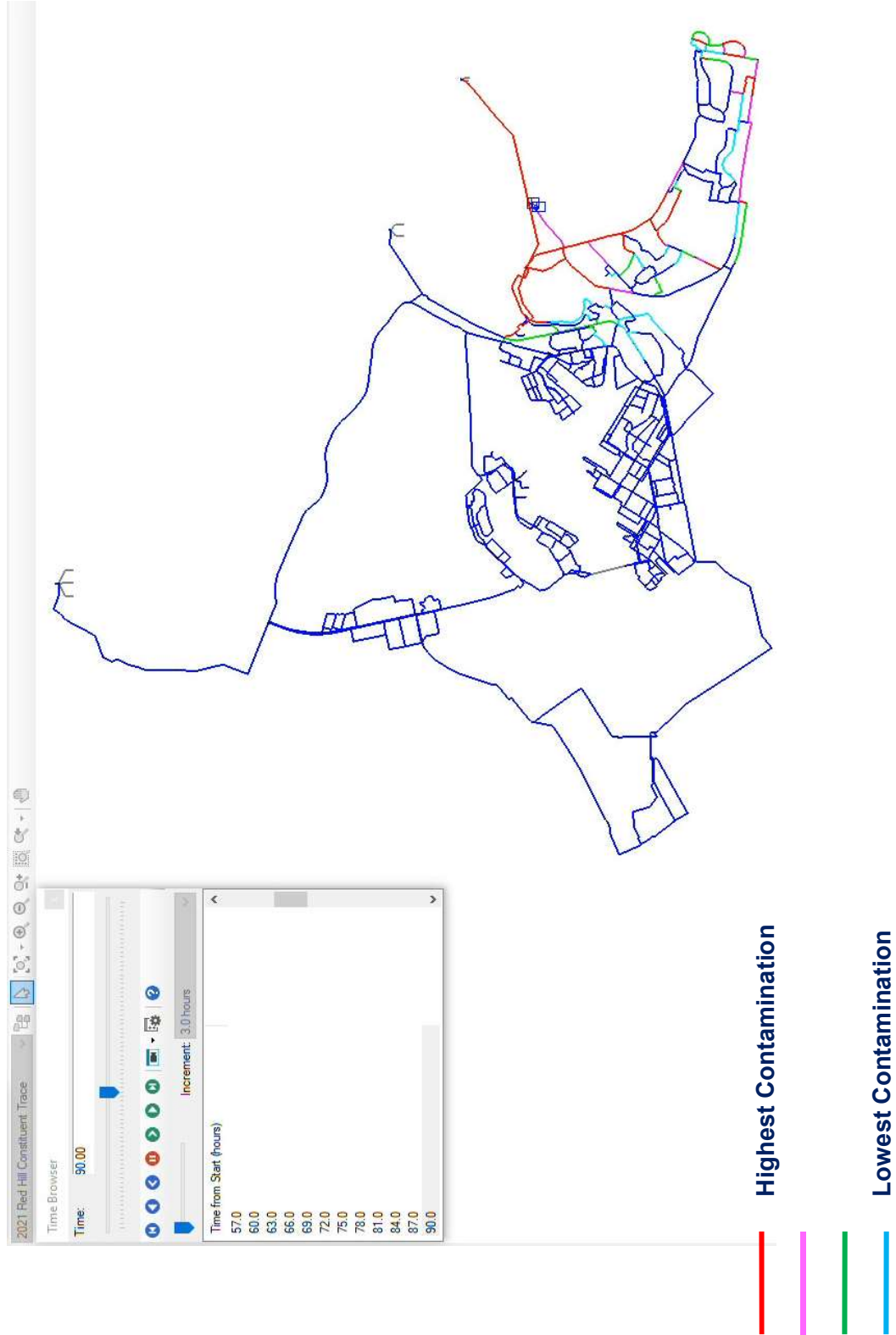


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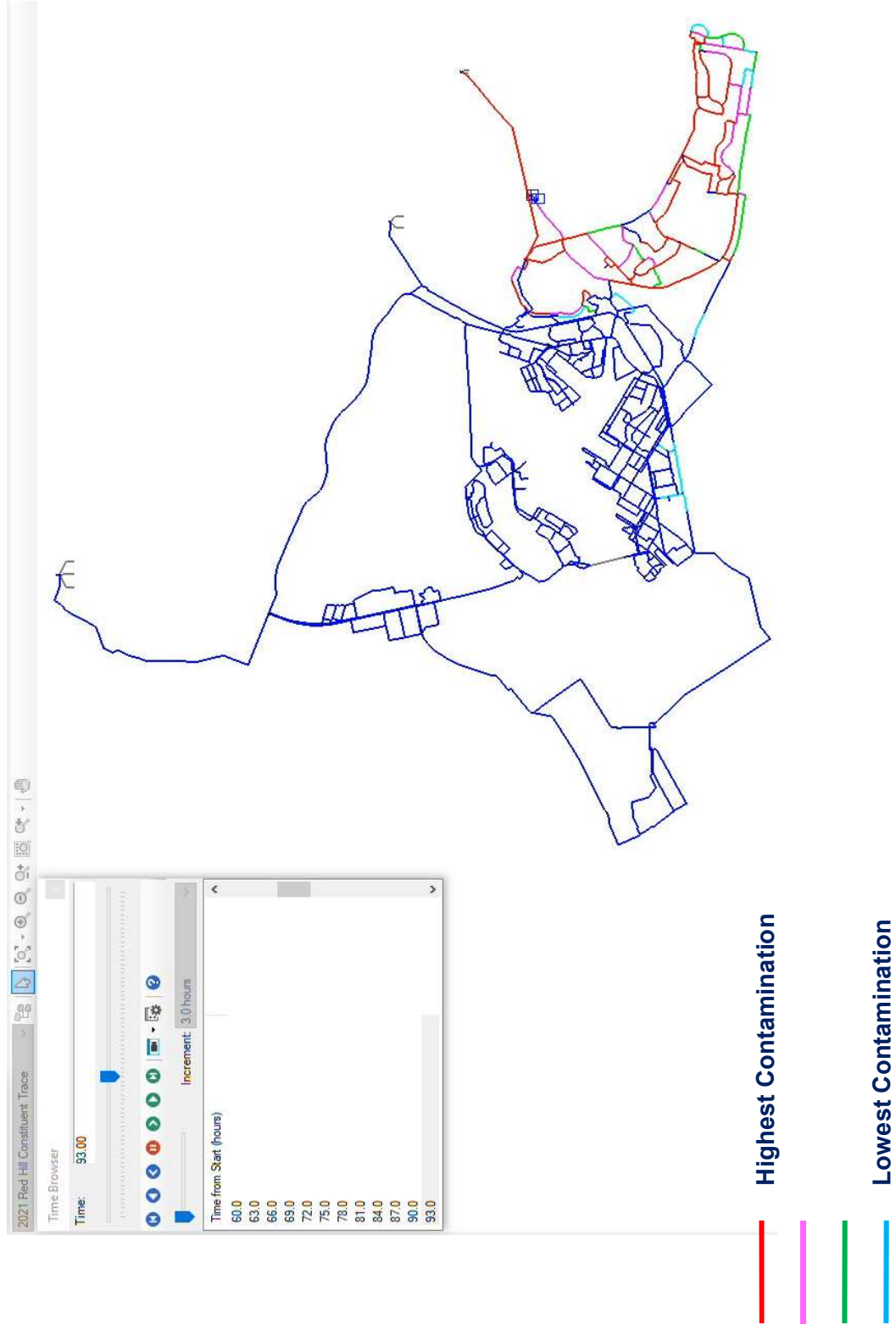


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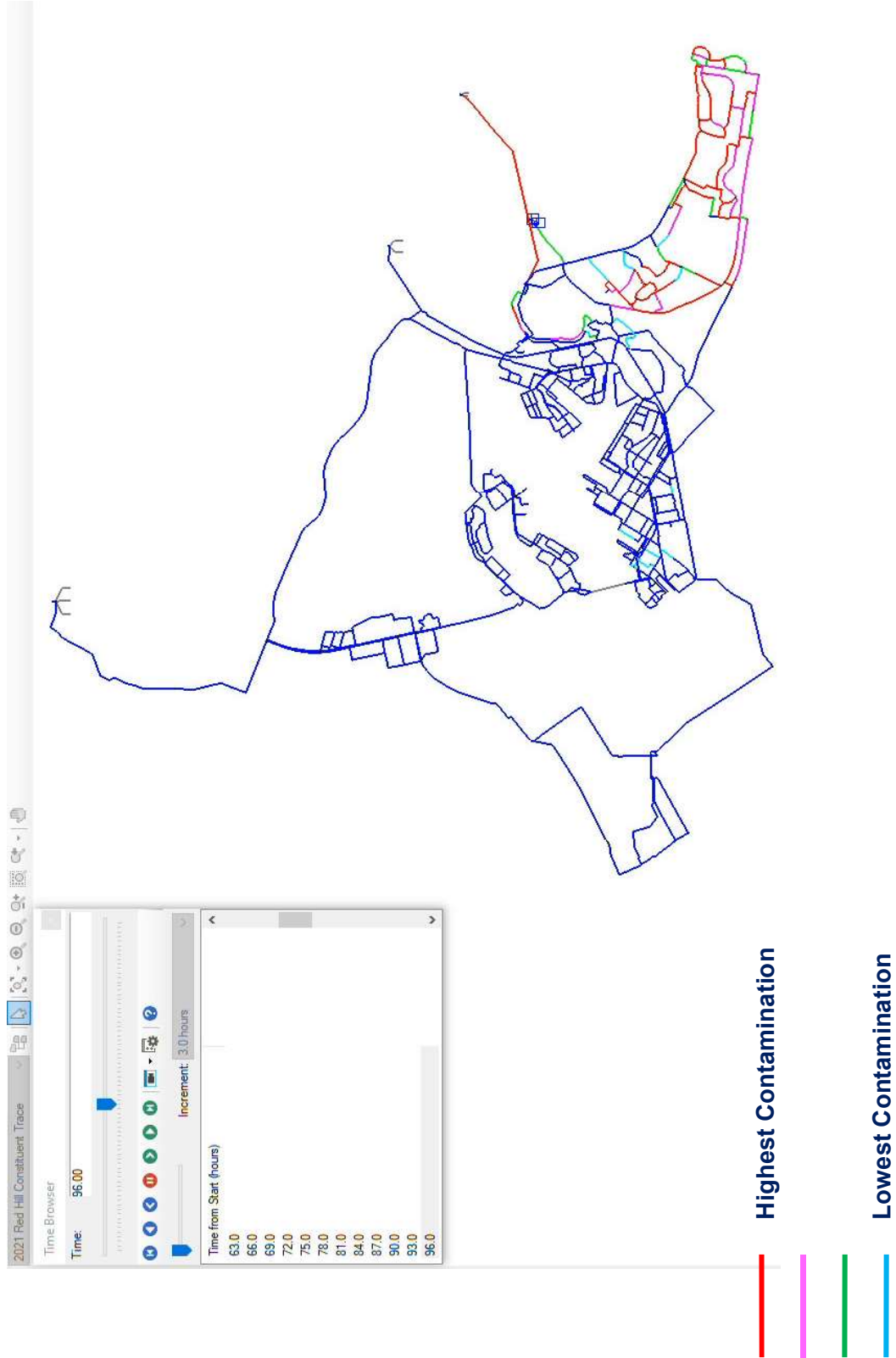


JBP HH Hydraulic Model



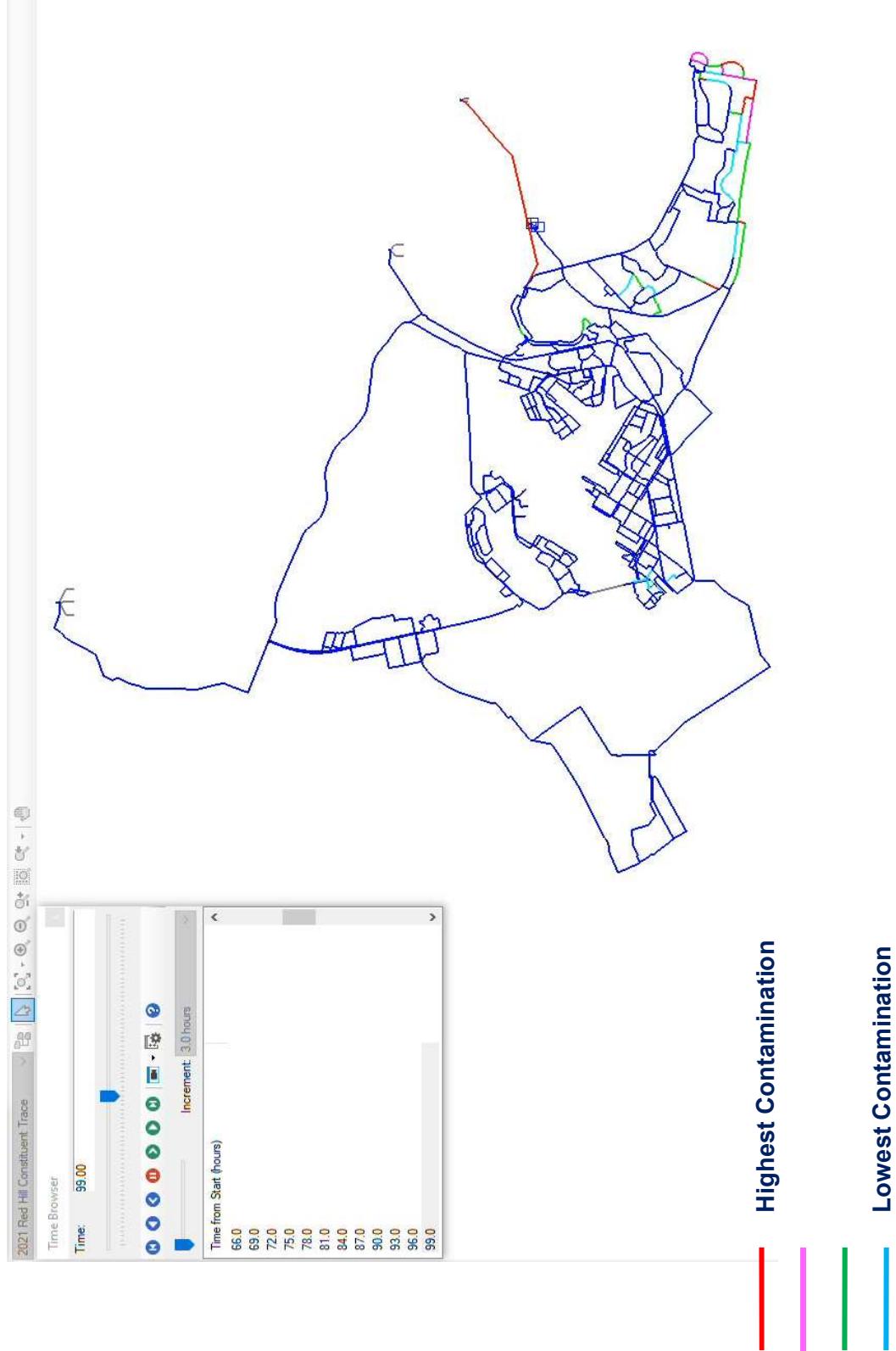


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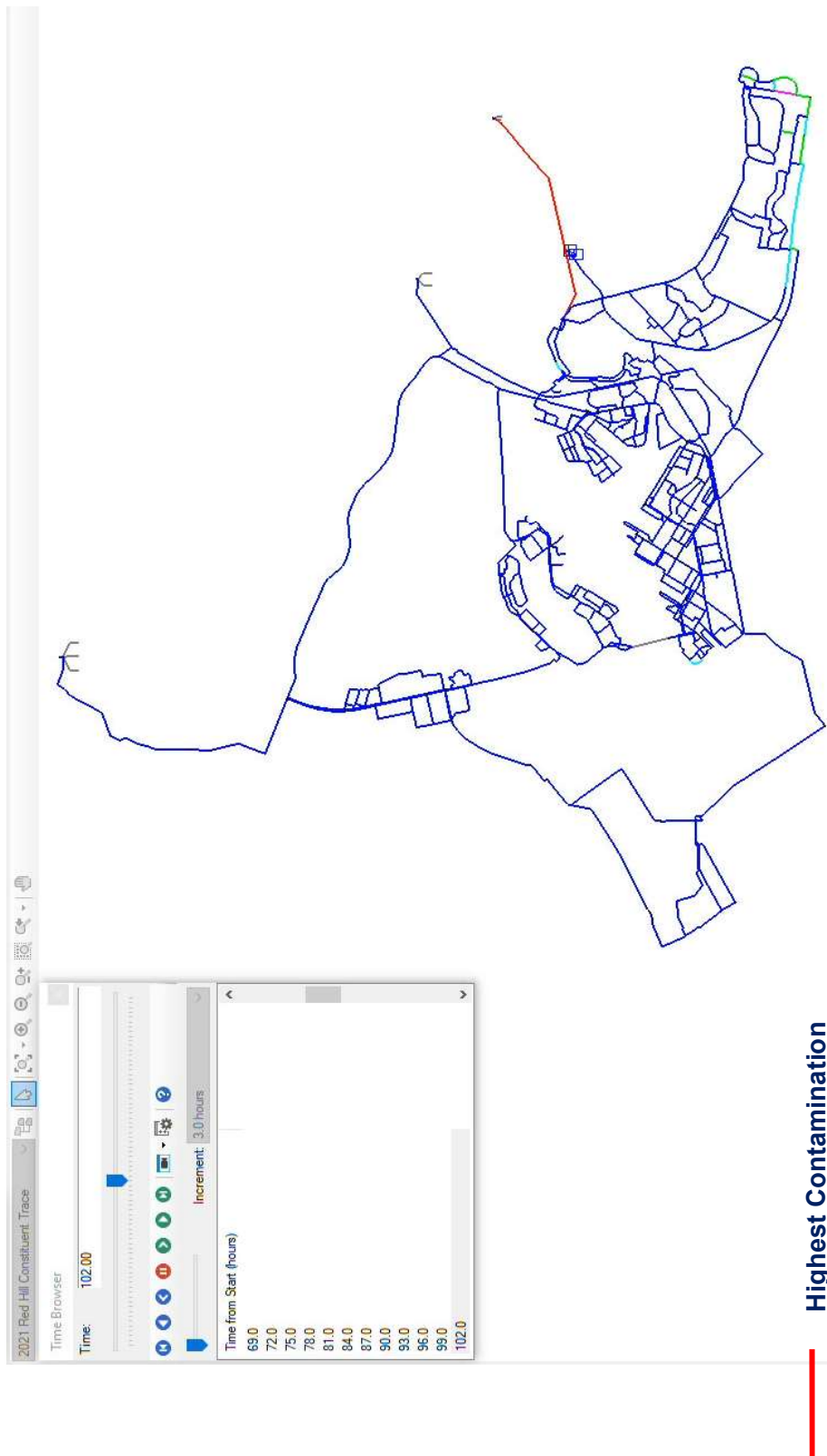


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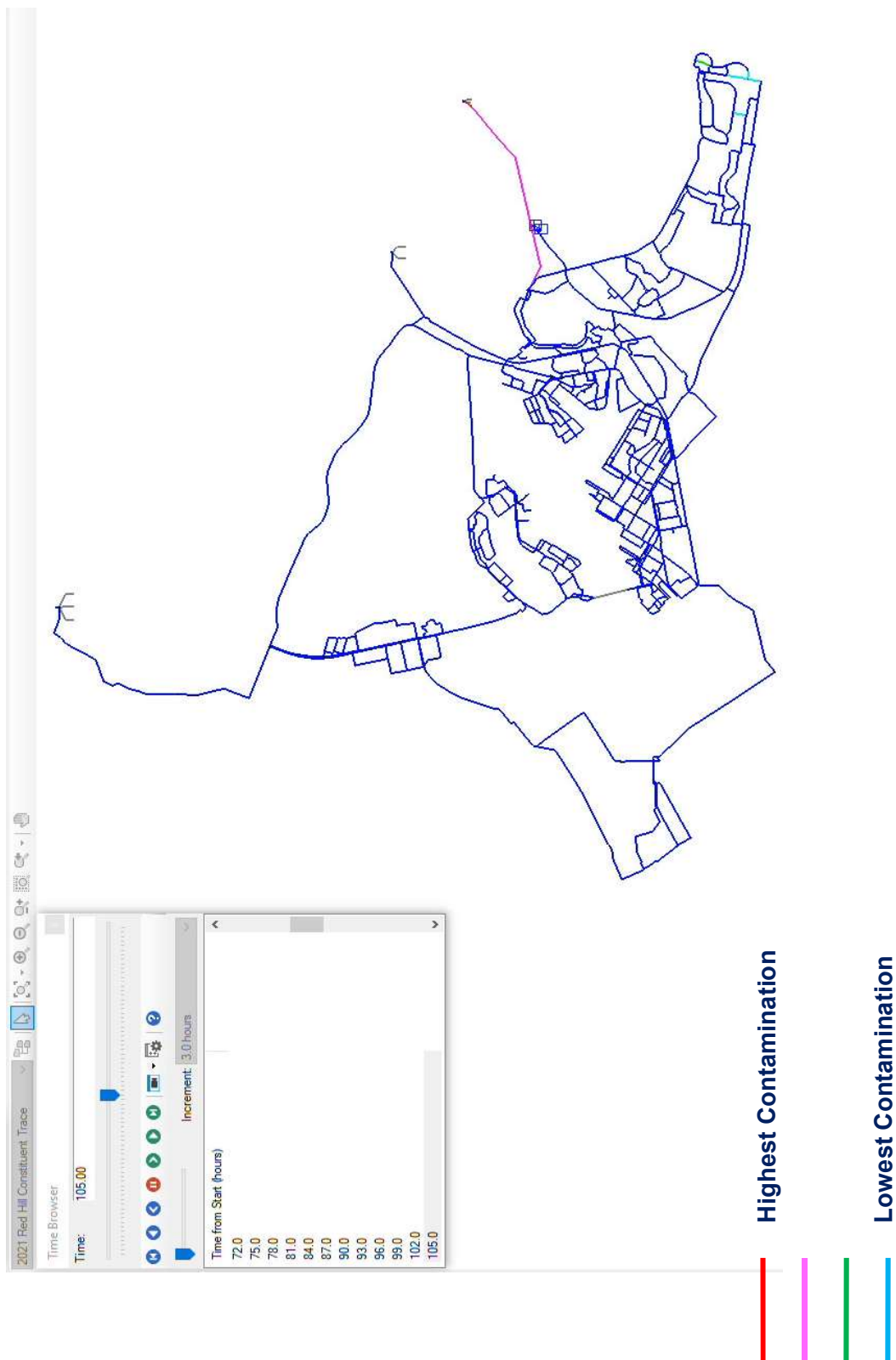


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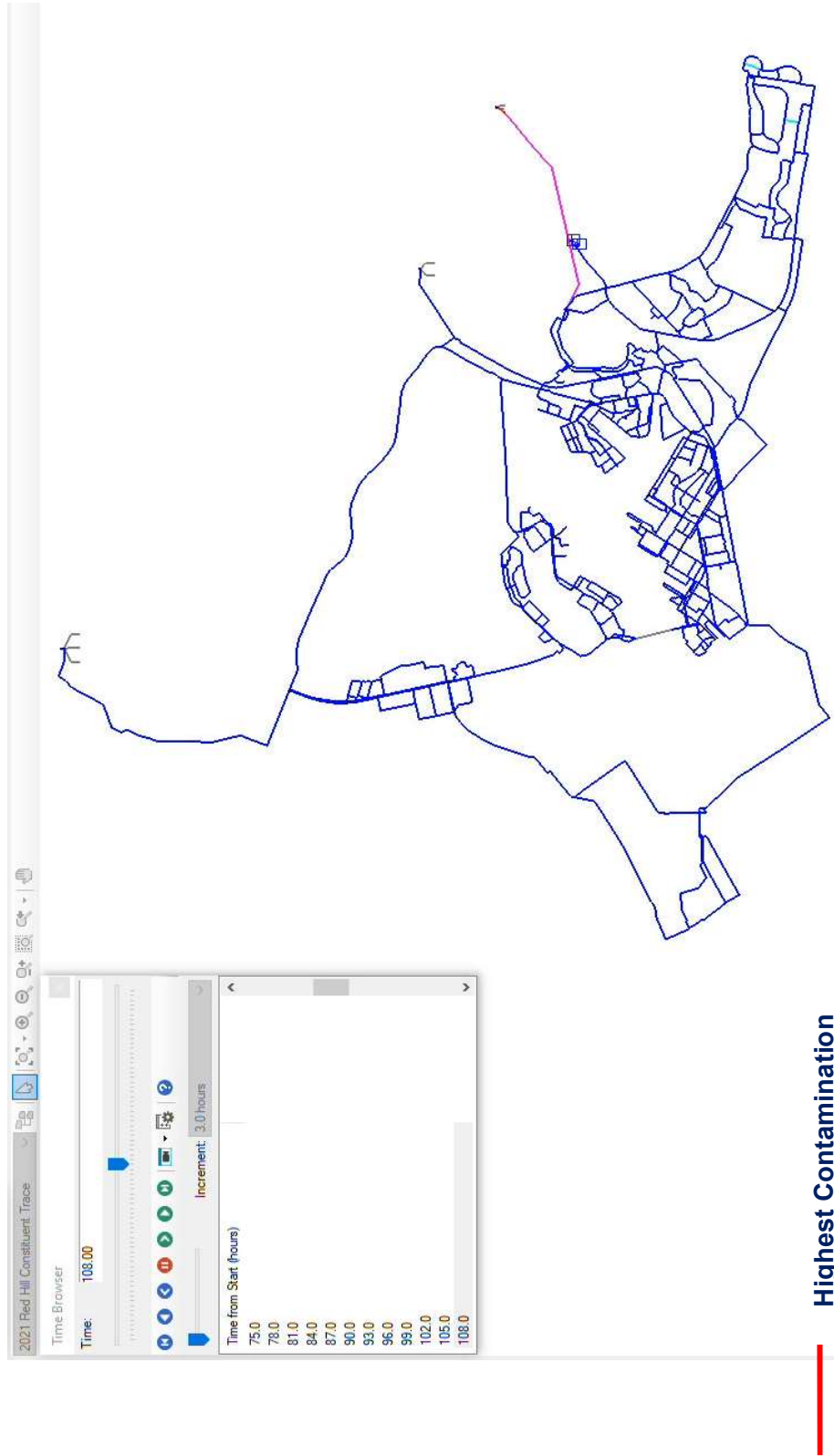




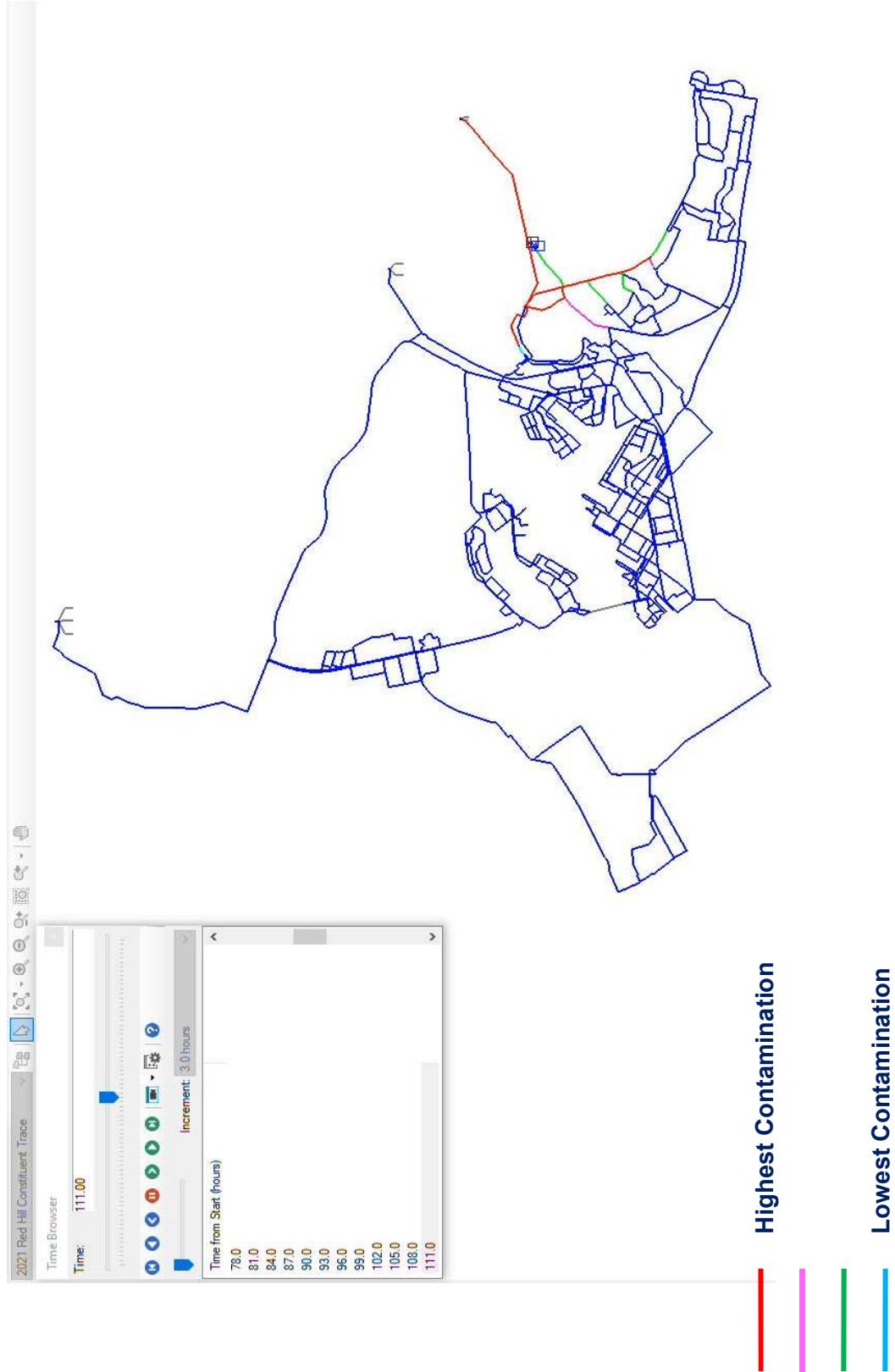
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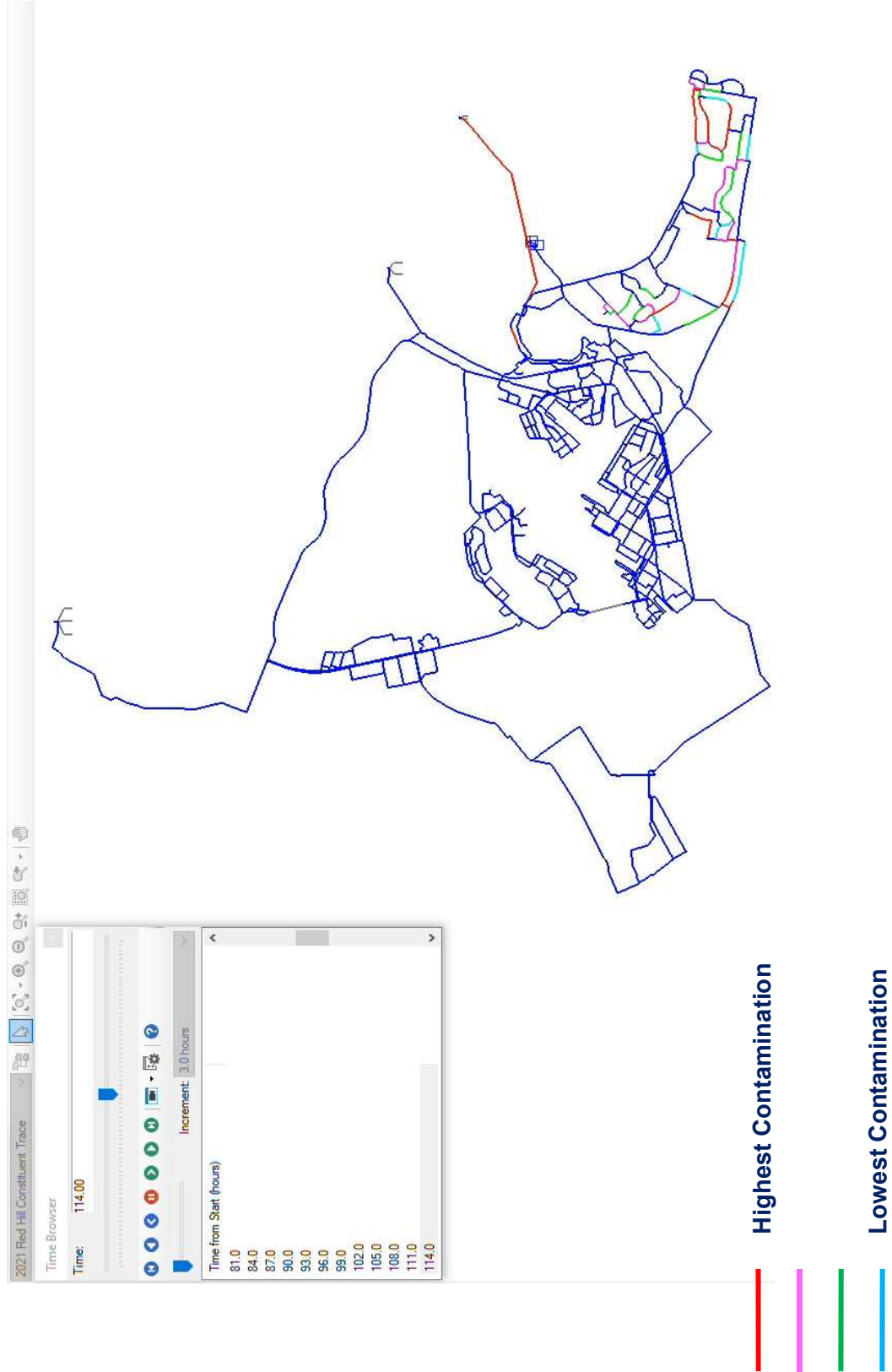
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JBP HH Hydraulic Model

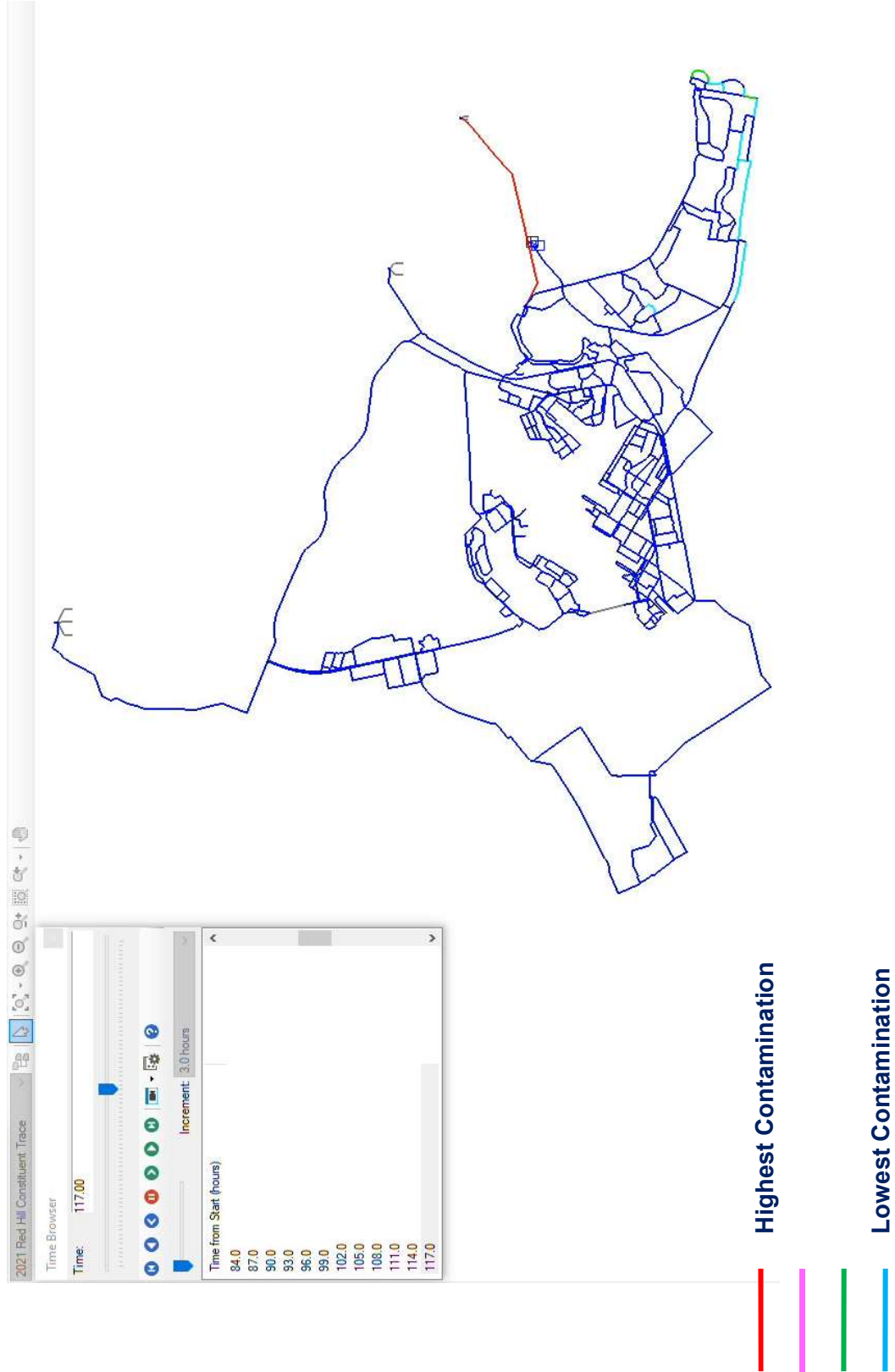


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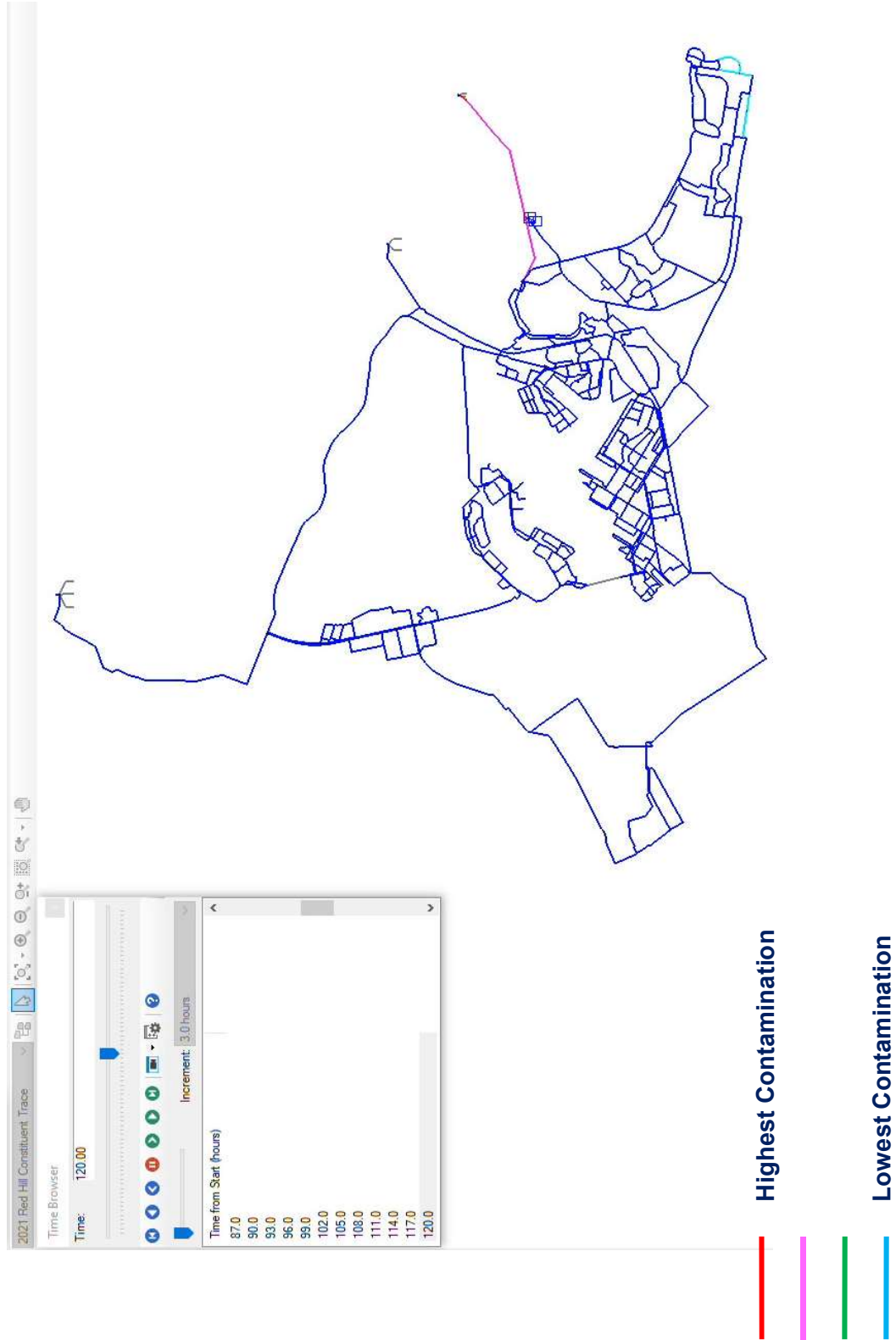


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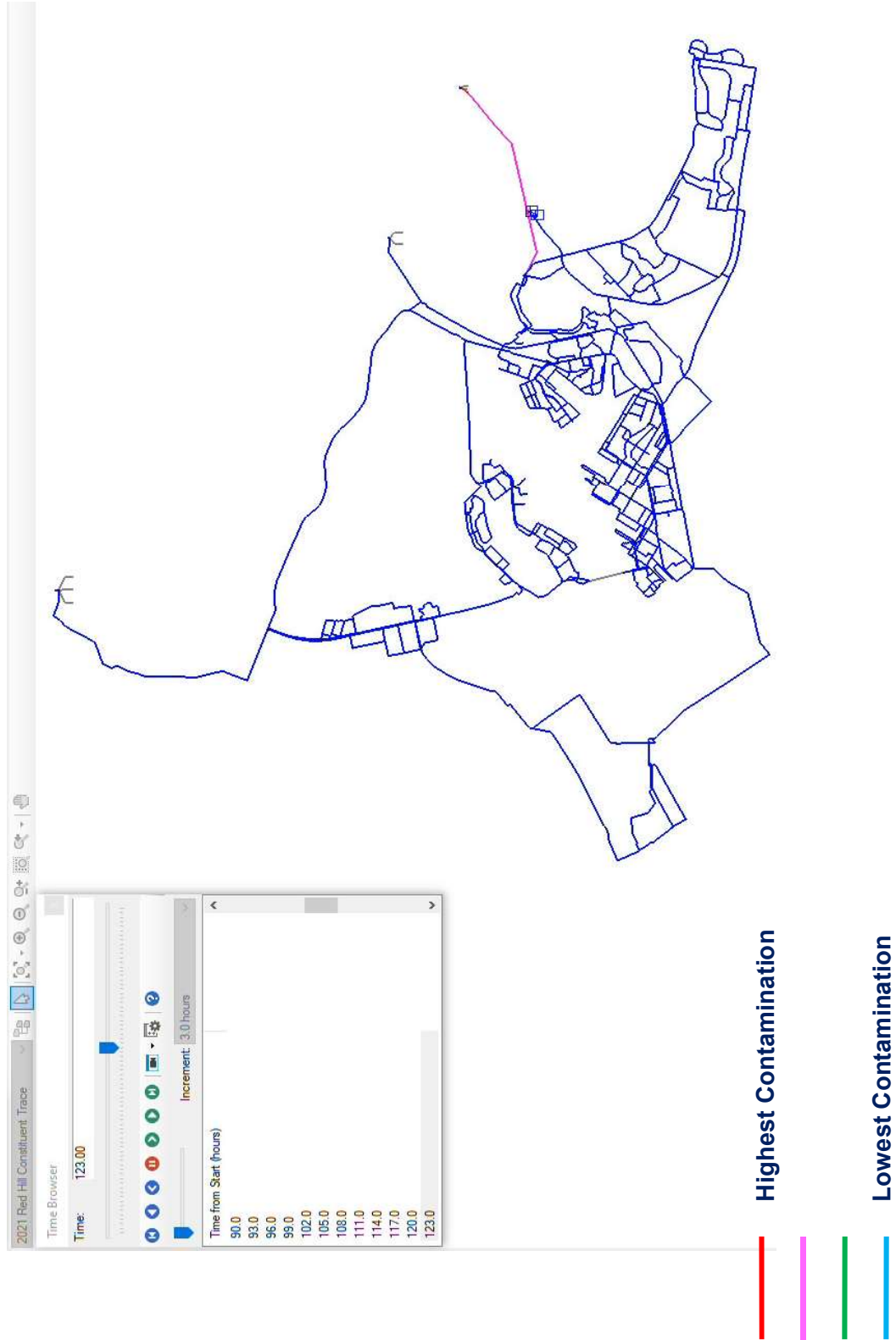


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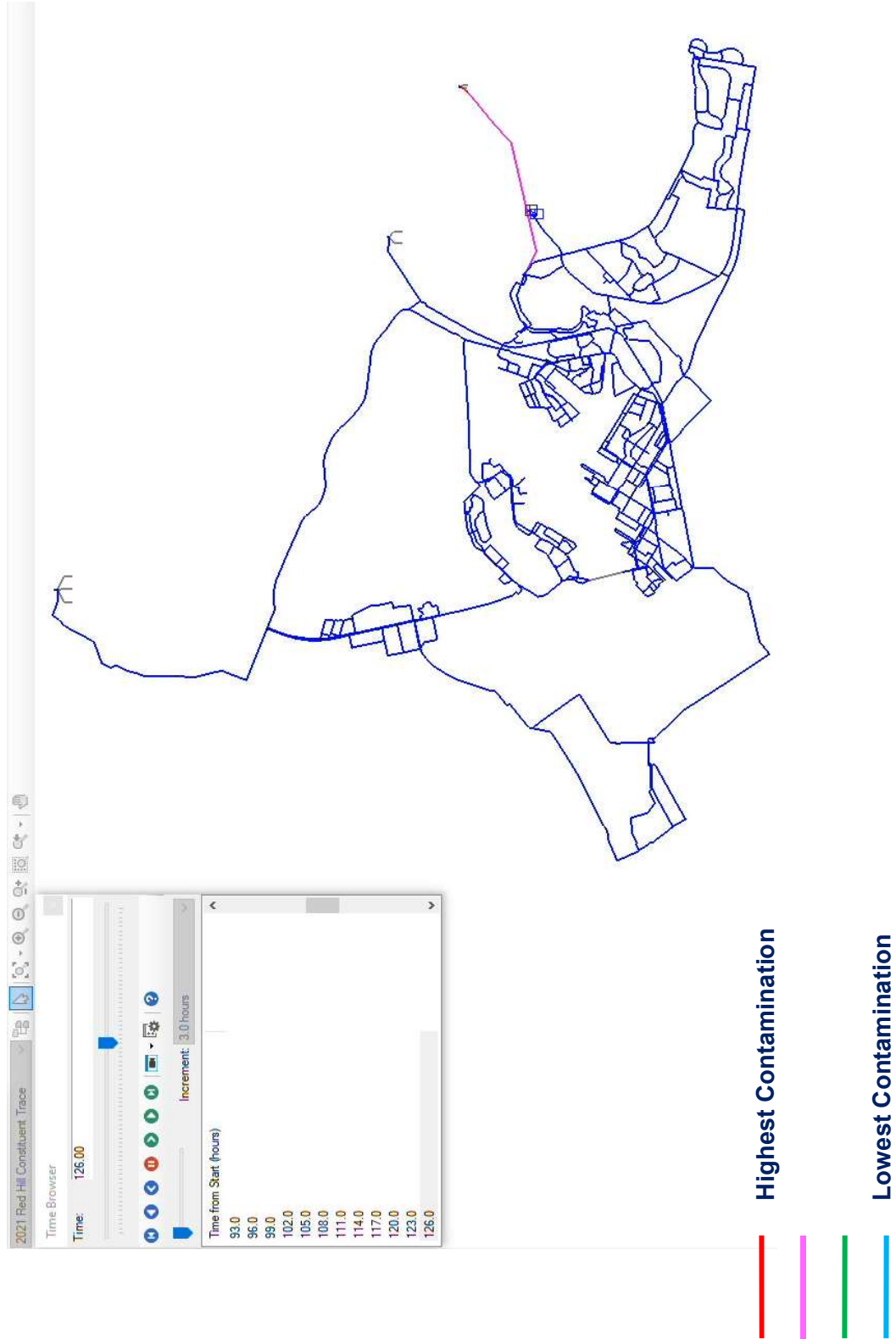


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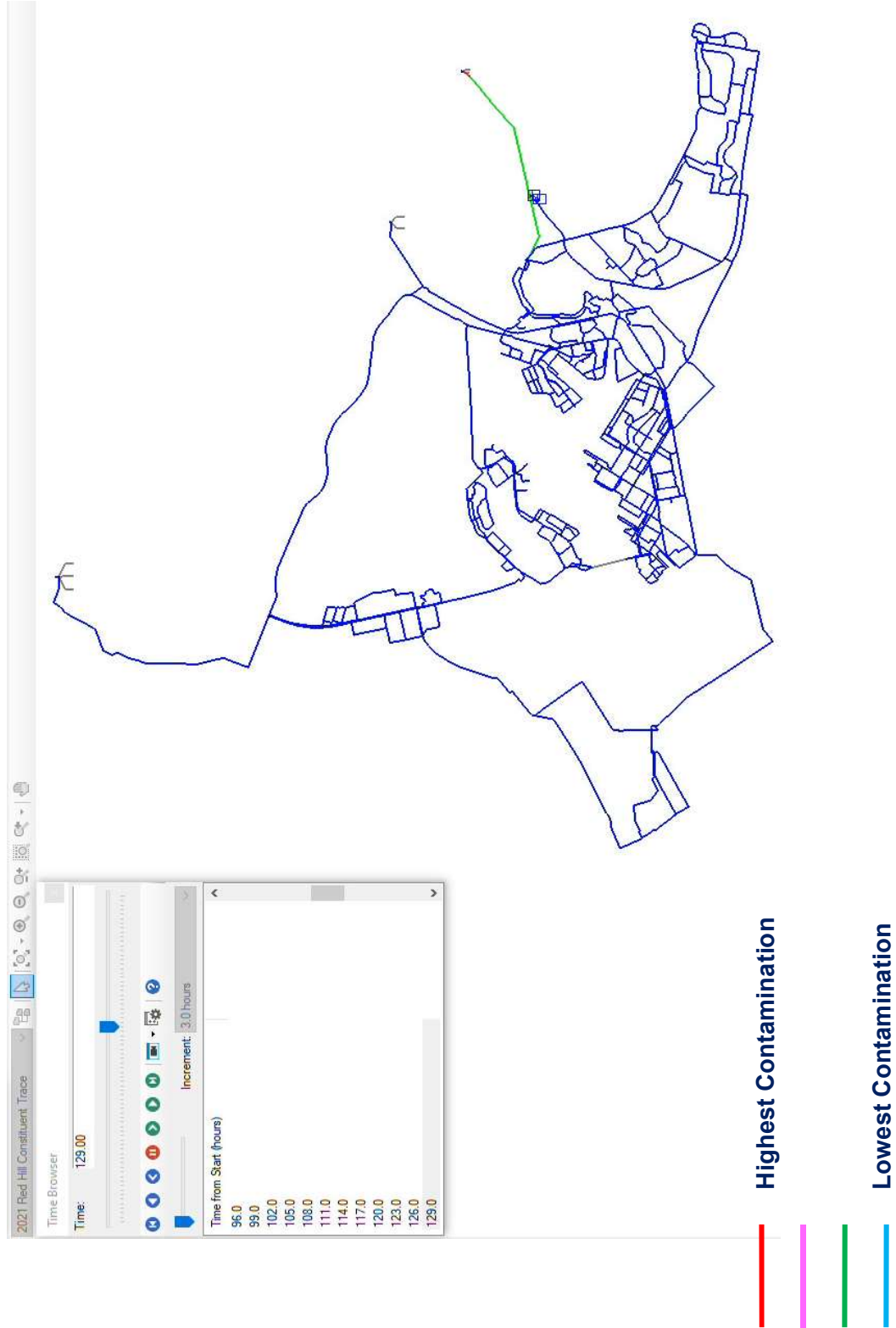


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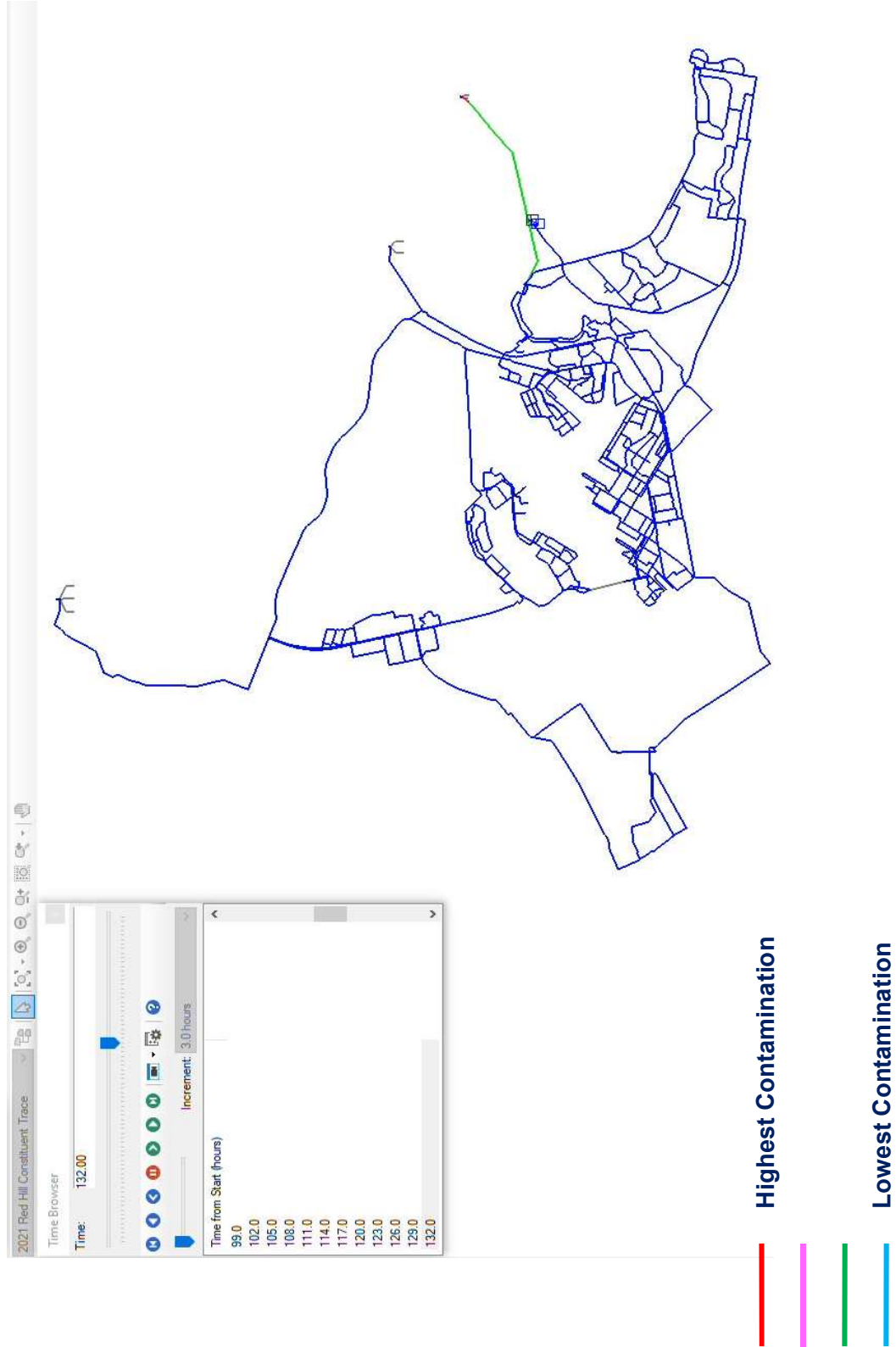


JBP HH Hydraulic Model



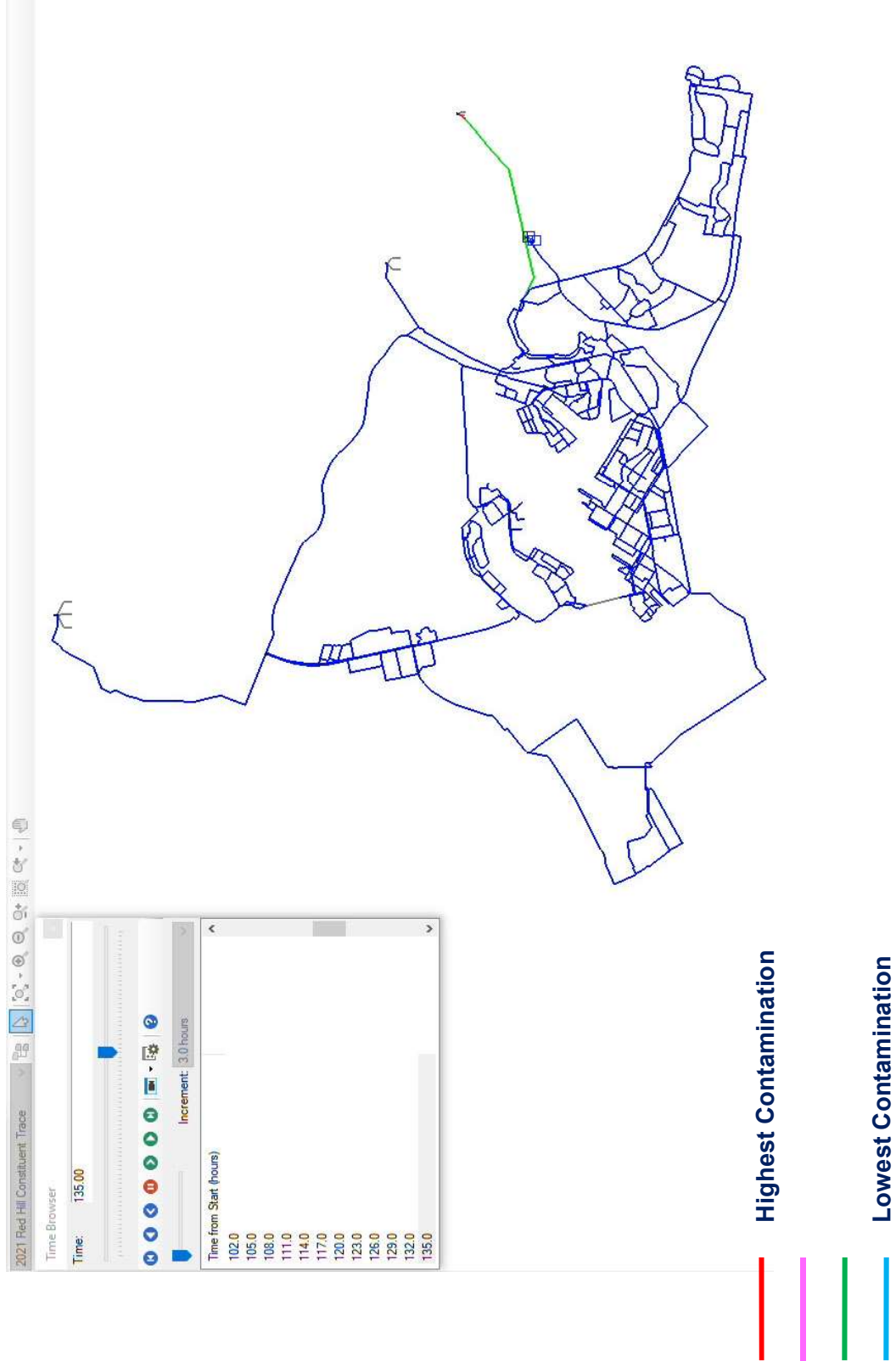


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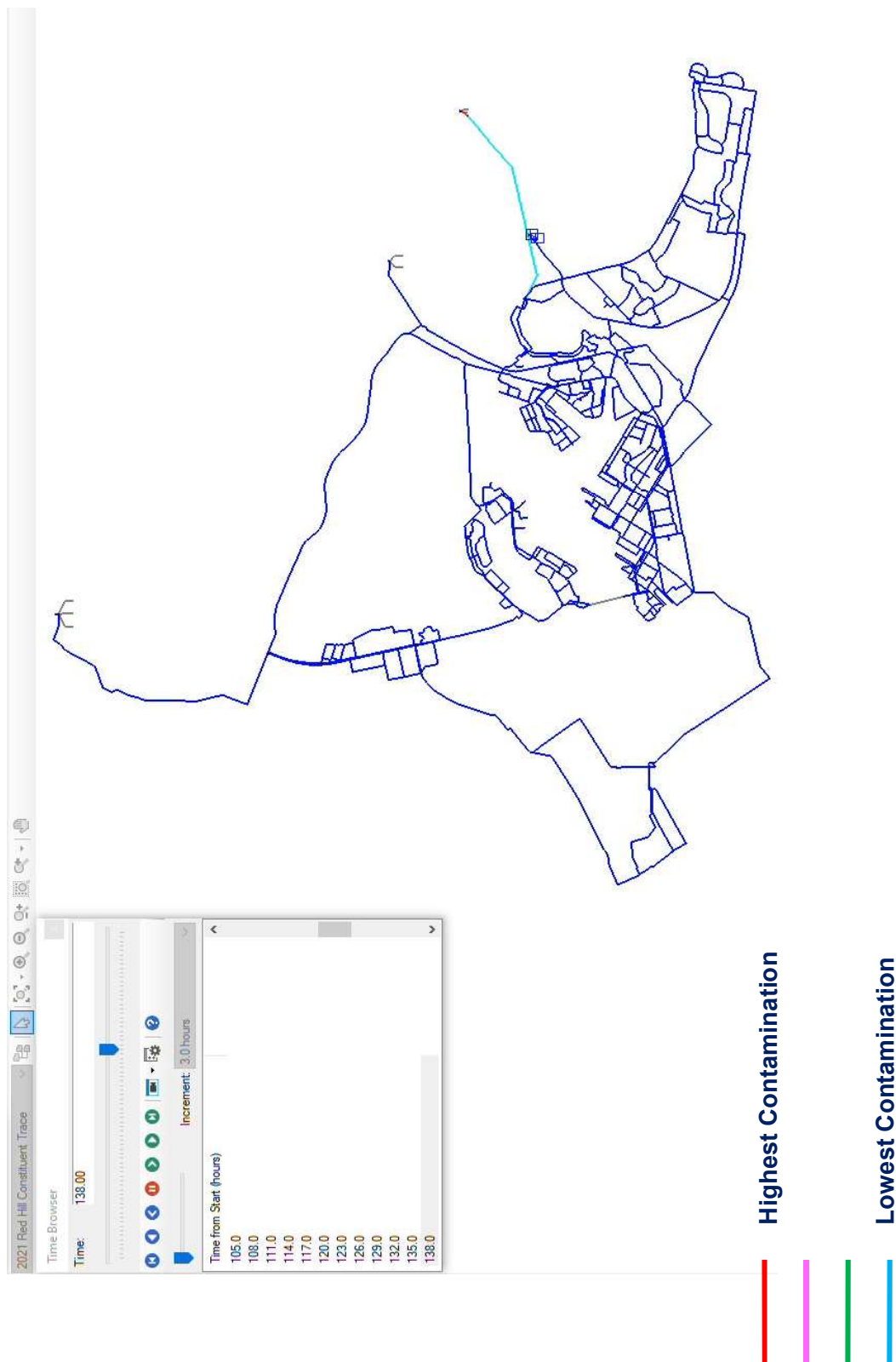


JBP HH Hydraulic Model





JBP HH Hydraulic Model



1 March 2022

MEMORANDUM

From: Naval Facilities Engineering Systems Command Representative, EWG Team
To: Interagency Drinking Water System Team

Subj: RECORDS OF COMPLETED DISTRIBUTION SYSTEM FLUSHING ZONE D2

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Distribution System Flushing Records Zone D2

1. The completed records as shown in Enclosure (1), document the flushing of 16 hydrants in Zone D2 in accordance with Reference (a).
2. Field logs documenting the completion of the distribution flushing are summarized below demonstrate fulfillment of the criterion established in Reference (a):

Hydrant Location ID	Discharge Location Type	Flushed Volume (gallons)
003	Storm Drain	281,027
006	Sanitary Sewer (Navy)	115,950
019	Storm Drain	152,844
030	Land Application	238,480
041	Storm Drain	117,343
061	Storm Drain	274,252
074	Storm Drain	230,079
105	Storm Drain	288,615
236	Storm Drain	270,729
276	Storm Drain	267,477
280	Storm Drain	261,515
293	Storm Drain	138,481
301	Storm Drain	292,680
331	Storm Drain	74,254
363	Storm Drain	285,363
429	Land Application	224,117

Total: 3,513,206 gallons

3. Zone D2 was required to flush 2,670,000 gallons per Reference (a), para 2.5.2.2, which was exceeded.

Very respectfully,



J. F. DALY III
LCDR, CEC, USN

DALY.JOHN.FRANCIS.III.13
65462468
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TABLE OF CONTENTS

Section A - Utilitiesmen Flushing Log Roll-up

Section A contains a summary of the information from the Utilitiesmen log books and a calculation of the volume of water flushed based on actual times.

Section B - Utilitiesmen Log During Volumetric Exchange

Section B contains the scanned Navy log books that recorded location and time of flushing during distribution system flushing.

Section C – Officer in Charge of Flushing Daily Report

Section C contains the Officer in Charge of Flushing's daily report to his chain of command summarizing information received from the field.

003		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
30-Dec		8:00	20:00		15:57		4:03 20211230 0800-2000	N/A
30-Dec		20:00	8:00			12:00	20211230 2000-0800	N/A
31-Dec		8:00	20:00		9:14	1:14	20211231 0800-2000	N/A
TOTAL RUN @ FLOW of 200								
TIME		17:17		281027 Gallons				
VOLUME								

019		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
26-Dec		6:00	14:00		9:37		4:23 20211226 0600-1400	N/A
26-Dec		14:00	22:00			19:01	5:01 20211226 1400-2200	N/A
TOTAL RUN @ FLOW of 200								
TIME				9:24				
VOLUME				152844 Gallons				

6		Shift		Flush Time		Documentation	
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log
27-Dec	20:00	8:00		20:07		11:53 20211227 2000-0800	N/A
28-Dec	8:00	20:00				12:00 20211228 0800-2000	N/A
28-Dec	20:00	8:00				12:00 20211228 2000-0800	N/A
29-Dec	8:00	20:00				12:00 20211229 0800-2000	N/A
29-Dec	20:00	8:00				12:00 20211229 2000-0800	N/A
30-Dec	8:00	20:00		15:10		7:10 20211230 0800-2000	N/A
30-Dec	8:00	20:00		17:40		2:20 20211230 0800-2000	N/A
30-Dec	20:00	8:00				12:00 20211230 2000-0800	N/A
31-Dec	8:00	20:00		11:30		3:30 20211231 0800-2000	N/A
TOTAL RUN @ FLOW of 100							
TIME				84:53			
VOLUME				115950 Gallons			

030		Shift		Flush Time		Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log	
27-Dec	8:00	20:00		19:50		0:10 20211227 0800-2000	N/A	
27-Dec	20:00	8:00				12:00 20211227 2000-0800	N/A	
28-Dec	8:00	20:00		10:30		2:30 20211228 0800-2000	N/A	
TOTAL RUN @ FLOW of 200								
TIME				14:40				
VOLUME				238480 Gallons				

041		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
28-Dec		8:00	20:00		10:47	18:00	7:13 20211228 0800-2000	Y

TOTAL RUN @ FLOW of 200

TIME

7:13

VOLUME

117343 Gallons

061		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
28-Dec		20:00	8:00	22:38		10:22 20211228 2000-0800	N/A
29-Dec		8:00	20:00		14:30	6:30 20211229 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 16:52 VOLUME 274252 Gallons </div>							

236		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
28-Dec		20:00	8:00	21:58		10:02 20211228 2000-0800	N/A
29-Dec		8:00	20:00		14:37	6:37 20211229 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 16:39 VOLUME 270729 Gallons </div>							

074		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
27-Dec		20:00	8:00	20:22		11:38 20211227 2000-0800	N/A
28-Dec		8:00	20:00		10:31	2:31 20211228 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 14:09 VOLUME 230079 Gallons </div>							

276		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
30-Dec		8:00	20:00	13:07	15:07	2:00 20211230 0800-2000	N/A
30-Dec		8:00	20:00	17:50		2:10 20211230 0800-2000	N/A
30-Dec		20:00	8:00			12:00 20211230 2000-0800	N/A
31-Dec		8:00	20:00		8:17	0:17 20211231 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 16:27 VOLUME 267477 Gallons </div>							

105		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
28-Dec		20:00	8:00	21:25		10:35 20211228 2000-0800	N/A
29-Dec		8:00	20:00		15:10	7:10 20211229 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 17:45 VOLUME 288615 Gallons </div>							

280		Shift		Flush Time		Documentation	
Date		Begin	End	Start	Stop	RunTime	UT Log
28-Dec		20:00	8:00	22:41		9:19 20211228 2000-0800	N/A
29-Dec		8:00	20:00		14:46	6:46 20211229 0800-2000	N/A
<div> TOTAL RUN @ FLOW of 200 TIME 16:05 VOLUME 261515 Gallons </div>							

293		Shift		Flush Time		Documentation		
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
27-Dec		20:00	8:00		1:08	6:52	20211227 2000-0800	N/A
28-Dec		8:00	20:00		9:39	1:39	20211228 0800-2000	N/A
TOTAL RUN @ FLOW of 200								
TIME				8:31				
VOLUME				138481 Gallons				

301		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
28-Dec		20:00	8:00		20:00	12:00	20211228 2000-0800	N/A
29-Dec		8:00	20:00		14:00	6:00	20211229 0800-2000	N/A

TOTAL RUN @ FLOW of 200

TIME

18:00

VOLUME

292680 Gallons

331		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
30-Dec		20:00	8:00	1:12	5:46	4:34	20211230 2000-0800	N/A

TOTAL RUN @ FLOW of 200

TIME

4:34

VOLUME

74254 Gallons

363		Shift		Flush Time			Documentation		
Date	Begin	End	Start	Stop	RunTime	Email Summary	UT Log		
30-Dec	8:00	20:00		11:31	11:48	0:17 20211230 0800-2000	N/A		
30-Dec	8:00	20:00		12:48	15:00	2:12 20211230 0800-2000	N/A		
30-Dec	8:00	20:00		18:00		2:00 20211230 0800-2000	N/A		
30-Dec	20:00	8:00				12:00 20211230 2000-0800	N/A		
31-Dec	8:00	20:00		9:04		1:04 20211231 0800-2000	N/A		
TOTAL RUN @ FLOW of 200									
TIME				17:33					
VOLUME				285363 Gallons					

429		Shift		Flush Time			Documentation	
Date		Begin	End	Start	Stop	RunTime	Email Summary	UT Log
30-Dec		8:00	20:00		11:22	16:35	8:35 20211230 0800-2000	N/A
30-Dec		20:00	8:00		0:37	5:49	5:12 20211230 2000-0800	N/A

Hydrant	Volume
003	281,027
6	115,950
019	152,844
030	238,480
041	117,343
061	274,252
074	230,079
105	288,615
236	270,729
276	267,477
280	261,515
293	138,481
301	292,680
331	74,254
363	285,363
429	224,117
TOTAL	3,513,206

25 DEC 2021

26 DEC 2021

1806	UT RHINE AND UT GONZALEZ ARE RELIEVED AS DUTY UT. UT ² DOMANSKI AND UT ² ZIELINSKI ASSUME DUTIES AND RESPONSIBILITIES DUTY UT.	ØØØ1 ØØØ4 ØØ15 ØØ23 ØØ26 ØØ29 Ø247 Ø5Ø1 Ø544 Ø635	START OF NEW DAY. HYDRANT 11A CLOSED. UCC/EOC NOTIFIED. HYDRANT 782 CLOSED. UCC/EOC NOTIFIED. HYDRANT 8 CLOSED. UCC/EOC NOTIFIED. HYDRANT 18 CLOSED. UCC/EOC NOTIFIED. LT HOWARD NOTIFIED ALL CLOSED. WATER LEVEL 3Ø.8'. WATER LEVEL 32.8'. WATER LEVEL 33.1'. UT STIEFERMANN AND UT ² DELAY RELIEVED BY UT RHINE AND UT ² GONZALEZ. WATER LVL AT 34'. UCC NOTIFIED WATER LVL AT 35.7'. UCC NOTIFIED FH-782 ACTIVATED FH-6Ø6 ACTIVATED FH-613 ACTIVATED FH-36A ACTIVATED - 1PSI FH-21 ACTIVATED FH-11A ACTIVATED FH-8 ACTIVATED FH-18 ACTIVATED CONT BACKLOGS STATUS OK ^{OK}
1830	FH-485 IS TURNED ON.	ØØ26	
1851	FH-782 IS TURNED ON 3/4 TURNS.	ØØ29	
1916	FH-8 IS TURNED ON.	Ø247	
1932	FH-8Ø6 IS TURNED ON.	Ø5Ø1	
1951	FH-613 IS TURNED ON.	Ø544	
2007	FH-36A IS TURNED ON.	Ø635	
2020	FH-21 IS TURNED ON.		
2026	LT. CRUZE CALLED TO ORDER SHUT DOWN FH-455 UNTIL FURTHER NOTICE.	Ø645 Ø853	
2036	FH-11A IS TURNED ON. DELAYED FLOW DURING START UP PROCEDURE.	Ø916 Ø925	
2Ø52	FH-18 IS TURNED ON.	Ø932	
2105	FH-455 IS OFF UNTIL FURTHER NOTICE FROM LT. CRUZE	Ø94Ø Ø946	
2110	WATER LEVEL CALLED 31.2'	Ø953	
2156	WATER LEVEL IS AT 30'	Ø956	
2245	UT ² DOMANSKI AND UT ² ZIELINSKI RELIEVED BY UT STIEFERMANN AND UT ² DELAY.	19ØØ 1000	
2311	WATER LEVEL 28'. UCC/LT HOWARD, STIEFER NOTIFIED	1440	
2336	FH-613 CLOSED. UCC/EOC NOTIFIED	1442	
2341	FH-606 CLOSED. UCC/EOC NOTIFIED.	1447	
2349	FH-36A CLOSED. UCC/EOC NOTIFIED.	1430	
2356	FH-21 CLOSED. UCC/EOC NOTIFIED.	1452	
2359	END OF DAY. NEXT DAY	1456	

27 DEC 2021

1159	FH-8 DEACTIVATED.	0001	START OF NEW DAY.
1503	FH-18 DEACTIVATED.	0003	WATER LEVEL 34.6'
1530	UT1 RHINE AND UT2 GONZALEZ PROPERLY RELIEVED. UT2 DOMANSKI AND UT2 ZIELINSKI PROPERLY ASSUME ALL DUTIES AS DUTY UT.	0158	WATER LEVEL 36', UCC NOTIFIED
1642	WATER LEVEL 29.5 FEET.	0203	LT HOWARD AND SPENCER NOTIFIED
1650	030/041 NEW SITES ADDED.	0218	HYDRANT 11A OPEN, UCC/EOC NOTIFIED
1901	CONTRACTOR ARRIVE TO BLEED OUT SYSTEM FOR FH-19. UCC NOTIFIED.	0225	HYDRANT 21 OPEN, UCC/EOC NOTIFIED
1901	FH-19 DEACTIVATED. CONTRACTOR BLEED SYSTEM TO EMPTY TANKS OF WATER, TANKS ARE STAGED FOR MORNING PICKUP.	0235	HYDRANT 36A OPEN, UCC/EOC NOTIFIED
1912	WATER LEVEL 31.2'	0245	HYDRANT 613 OPEN, UCC/EOC NOTIFIED
2104	WATER LEVEL 32.5'	0250	HYDRANT 606 OPEN, UCC/EOC NOTIFIED
2245	UT2 DOMANSKI AND UT2 ZIELINSKI RELIEVED BY UT STIEFERMANN AND UT2 DAY	0300	HYDRANT 782 OPEN, UCC/EOC NOTIFIED
2306	WATER LEVEL 34', UCC NOTIFIED.	0310	HYDRANT 8 OPEN, UCC/EOC NOTIFIED
2359	END OF DAY	0314	HYDRANT 18 OPEN, UCC/EOC NOTIFIED.
		0319	LT HOWARD NOTIFIED ALL OPEN.
		0543	29.9' WATER LEVEL. UCC INFORMED.
		0545	NAUFAO MATT CONTACTED
		0638	WATER LEVEL 28.1', UCC INFORMED
		0645	UT STIEFERMANN AND UT2 DELAY RELIEVED BY UT RHINE AND UT2 GONZALEZ
		0715	FH FH 782 DEACTIVATED
		0722	FH 606 DEACTIVATED
		0725	FH 613 DEACTIVATED
		0731	FH 36A DEACTIVATED
		0733	FH 21 DEACTIVATED
		0738	FH-11A DEACTIVATED
		0742	FH-8 DEACTIVATED
		0745	FH-18 DEACTIVATED

UT ETP
 UT Ew/Ew
 STIEFERMANN

27 DEC 2021

1700	UT RHINES AND UT ² GONZALES ARE PROPERLY RELIEVED OF ALL DUTIES AND RESPONSIBILITIES AS DUTY. UT ² DOMANSKI AND UT ² ZIELINSKI ASSUME DUTIES AND RESPONSIBILITIES AS DUTY. UT ARRIVE AT UCC TO REVIEW STATUS BOARD.
1825	FH-18 ACTIVATED.
1828	FH-8 ACTIVATED.
1837	FH-606 IS ACTIVATED.
1840	FH-613 IS ACTIVATED.
1851	FH-36A IS ACTIVATED.
1900	FH-21 IS ACTIVATED.
1913	FH-11A IS ACTIVATED.
1949	FH-455 IS ACTIVATED.
1955	FH-30 IS ACTIVATED.
1957	FH-06 IS ACTIVATED.
2024	FH-74 IS ACTIVATED.
2036	ALL HYDRANTS TURNED ON UNTIL FURTHER NOTICE.
2057	WATER LEVEL 30.1', SPENCER WAS CALLED.
2209	WATER LEVEL 28.1'.
2245	UT DOMANSKI AND UT ZIELINSKI RELIEVED BY UT STIEFERMANN AND UT ² DELAY.
2355	WATER LEVEL 28.4'.
2401	END OF DAY.

28 DEC 2021

0001	START OF NEW DAY.
0106	HYDRANT 293 OPENED, UCC NOTIFIED, EOC NOTIFIED.
0127	HYDRANT 400 OPENED, UCC NOTIFIED, EOC NOTIFIED.
0430	WATER LEVEL 31.1'.
0530	PREVIOUS DAYS LOGBOOK ENTRIES SENT TO (516) 252-7368 AS DIRECTED.
0645	UT STIEFERMANN AND UT ² DELAY RELIEVED BY UT RHINE AND UT MARKS.
0750	WATER LEVEL 32.3 FT.
0815	THROTTLED PRESSURE FOR A LOW SAMPLING AT 455, RESUMED TO NORMAL PRESSURE.
0850	THROTTLED PRESSURE AT 400 FOR A LOW SAMPLING. RESUMED NORMAL PRESSURE.
0939	HYDRANT 400 CLOSED, UCC NOTIFIED.
1051	HYDRANT 455 CLOSED, UCC NOTIFIED.
1021	HYDRANT 74 CLOSED, UCC NOTIFIED.
1047	HYDRANT 41 OPENED, UCC NOTIFIED.
1154	CLOSED 613.
1800	CLOSED 41.
2250	UT RHINE RELIEVED BY UT STIEFERMANN.
2359	END OF DAY.
	UT STIEFERMANN

29 DEC 2021

START OF NEW DAY.

0218 CURRENTLY OPEN: FH 27, FH 7-1, FH 6,
FH 61, FH 105, FH 236, FH 280, FH 301,
FH 8, FH 11A, FH 18, FH 21, FH 36A,
FH 606.

WATER LEVEL 30.8.

ADJUSTED PSI ON FH-61, 3 PSI

WATER LEVEL 31.9.

PREVIOUS DAY'S LOGBOOK ENTRIES SENT

TO (516) 252-7368.

0654 UT STIEFERMANN AND UT² DELAY
RELIEVED BY UT RHINE AND UT² GONZALES

1726 FH 7-1 & FH 2-7 DEACTIVATED
UT RHINES AND UT² GONZALES
PROPERLY RELIEVED BY UT²
DORMANSKI AND UT² UELINSKI.

WATER LEVEL 34 FEET.

FH-3-1 WATER TESTED BY NAVFAL.

UT RHINE ASSURES WATCH FROM UT DORMANSKI

CHECKING AT UCC TOWERING THE

FOLLOWING UNITS IN OPERATION: 36A, 3-1, 21,

11A, 8, 18, 604, 4-6, 8-7, 1-5, 69

DEPARTED FOR ROVE OF ALL ACTIVE SITES

END OF THE DAY.

NO FURTHER ENTRIES THIS PAGE.

M. DORMANSKI

30 DEC 21

START OF NEW DAY.

RECEIVED CALL. F/H 18 DISCHARGE

LINE FROM GAL WAS SPRINKLING

WATER OUT OF DRAIN.

ARRIVED ON SITE; SECURED GAL/FH 18

INSPECTED HOSE. HOSE HAD A

PIP ON IT FROM RUBBING AGAINST

THE MAIN HOSE LOVER. PLACED HOSE FURTHER

INTO THE DRAIN, TESTED CHARGED

LINE AND TESTED. NO LEAKS. FOR

PUT FH-18 BACK IN SERVICE

NOTIFIED UCC ABOUT IT (UCC NOTIFIED).

CONTINUED ROVE.

ROVE COMPLETE

ROVE STARTED

ROVE FINISHED

FH 3-1 CLOSED

FH 1-5 (13) CLOSED

FH 4-6 CLOSED

FH 8-7 CLOSED

BEGIN ROVE

INSPECTED F/H 18. NEW RUP

IN HOSE, ADJUSTED HOSE DEPTH.

IN FORMER UT² ROVE

4129 OPERATIONAL.

363 OPERATIONAL

RECEIVED CALL TO ADJUST PRESSURE

AT 363.

1300	30 DEC 21	30 DEC 21	2326	WATER LEVEL 28.
1330	PRESSURE ADJUSTED AT 363, ANTAN'60		2359	END OF DAY,
1400	MOSS.			
1500	INCREASED PRESSURE AT 276.			
1600	UT2 DOMAN'61 ASSUMES DUTY UT.			
1640	UT1 RHINE RELIEVED AS DUTY UT.			
1700	WORD TO SHUT ALL SITES DOWN. WEATHER.			
1726	003 UP.			
1749	429 DOWN.			
1800	BACK LOG, FH-6, FH-276, FH-331,			
1821	FH-276, FH-36A, FH-8, FH-18, FH-11A,			
1840	FH-606, FH-21, FH-363 ALL SHUT DOWN.			
1911	FH-114 OPERATIONAL.			
1920	TURN ON SITE DRAINING TO SEWER/STORM.			
1937	WATER LEVEL 36.			
1940	FH-6 UP.			
1950	FH-276 UP.			
2003	FH-363 UP.			
2021	FH-606 UP.			
2029	FH-36A UP.			
2030	FH-5-16 UP.			
2040	FH-21 UP.			
2044	FH-11A UP.			
2044	FH-18 UP.			
2028	FH-8 UP.			
2101	FH-429 DOWN/FH-331 DOWN DUE TO WEATHER.			
2101	TURN ON IF GOOD WEATHER CONSISTANT.			
2201	WATER LEVEL 29.8.			
2238	UT2 DOMAN'61 RELIEVED BY UT STEFFERMANN			

31 DEC 2021

START OF NEW DAY.

HYDRANT 429 OPEN, UCC/EOC NOTIFIED.

HYDRANT 331 (MARKED 325)

OPEN, UCC/EOC NOTIFIED.

WATER LEVEL 32.3.

HYDRANT 429 CLOSED, POOR WEATHER.

PONDING, UCC/EOC NOTIFIED.

LOGBOOK ENTRIES SENT TO (316) 252-74.

HYDRANT 331 (325) CLOSED, POOR WEATHER.

PONDING, UCC/EOC NOTIFIED.

UT STIFFERMAN DELAYED BY UT RAIN.

CHECKED IN AT UCC

DEPARTED FOR HOME

FH 425 CLOSED

FH 276 CLOSED

FH 325 CLOSED

FH 363 CLOSED

FH 1-14 CLOSED

FH 18 HOSE RUPTURE IN DRAINAGE

CLOSED ADJUSTED DEPTH.

PRESSURE LOW ON FH 18. RAIN.

PRESSURE.

FH 5/16 CLOSED

UT STARTS UP

205 STARTED

THROTTLED 205 FOR SAMPLING

RESUMED 205 FOR NORMAL OPERATION.

31 DEC 21

228 OPERATIONAL

RELIEVED BY UT 2 DOMANSKI

FH-202 SOAKING APPROX 24 HOURS UNTIL

OPERATIONAL.

STARTED ROVE.

FH-228 PRESSURE ADJUSTED DUE TO SAMPLING.

WATER LEVEL 28.1.

GAL 23 NEEDS PARTS, FH-191.

FH-228 DOWN DUE TO WEATHER

FH-23 DOWN DUE TO WEATHER, PART

CLEAR HARDOR DOWN DUE TO WEATHER

ALL EOC UPDATES TO BU2 134RR (330) 383-393.

SHUT DOWN ALL SITES. FOOD ADVISORY. 2230

RESTART.

FH-805 DOWN.

FH-21 DOWN.

FH-114 DOWN.

FH-18 DOWN.

FH-8 DOWN.

FH-806 DOWN.

FH-76A DOWN.

FH-801 DOWN.

FH-477 DOWN.

FH-245 DOWN.

FH-245 UP

FH-477 UP.

FH-228 UP.

FH-805 UP.

71 DEC 21 18

2247	801 UP.	START NEW DAY,
2300	18 UP.	FH 228 CLOSED DUE TO INCREMENT
2304	FH-8 UP.	WEATHER, VCC/EOC NOTIFIED.
2312	FH-606 UP.	WATER LEVEL 36.1.
2319	FH-36A UP.	DIRECTED TO CLOSE HYDRANTS DUE
2327	FH-21 UP.	TO FLASH FLOOD WARNING IN EFFECT
2330	FH-11A UP.	UNTIL 0545.
2330	UTZ DOMANSKI RELIEVED BY UT	FH 245 CLOSED, VCC/EOC NOTIFIED
	STIEFERMANN,	FH 805 CLOSED VCC/EOC NOTIFIED
2359	END OF DAY,	FH 803 CLOSED VCC/EOC NOTIFIED
		FH 18 CLOSED VCC/EOC NOTIFIED
		FH 8 CLOSED VCC/EOC NOTIFIED
		FH 11A CLOSED VCC/EOC NOTIFIED
		FH 21 CLOSED VCC/EOC NOTIFIED
		FH 36A CLOSED VCC/EOC NOTIFIED
		FH 606 CLOSED VCC/EOC NOTIFIED
		FH 477 CLOSED VCC/EOC NOTIFIED
		FLASH FLOOD WARNING ENDED, REOPENING
		HYDRANTS.
		FH 803 OPEN, VCC/EOC NOTIFIED
		FH 805 OPEN, VCC/EOC NOTIFIED
		FH 11A OPEN, VCC/EOC NOTIFIED
		FH 21 OPEN, VCC/EOC NOTIFIED
		FH 36A OPEN VCC/EOC NOTIFIED
		FH 606 OPEN VCC/EOC NOTIFIED
		FH 8 OPEN VCC/EOC NOTIFIED
		FH 18 OPEN VCC/EOC NOTIFIED
		FH 477 OPEN VCC/EOC NOTIFIED

AFETP
47 (NEW/OLD) STIEFERMANN

01 JAN 2022

0041	START NEW DAY,
0109	FH 228 CLOSED DUE TO INCREMENT
	WEATHER, VCC/EOC NOTIFIED.
0145	WATER LEVEL 36.1.
0245	DIRECTED TO CLOSE HYDRANTS DUE
	TO FLASH FLOOD WARNING IN EFFECT
	UNTIL 0545.
0300	FH 245 CLOSED, VCC/EOC NOTIFIED
0315	FH 805 CLOSED VCC/EOC NOTIFIED
0320	FH 803 CLOSED VCC/EOC NOTIFIED
0331	FH 18 CLOSED VCC/EOC NOTIFIED
0336	FH 8 CLOSED VCC/EOC NOTIFIED
0343	FH 11A CLOSED VCC/EOC NOTIFIED
0354	FH 21 CLOSED VCC/EOC NOTIFIED
0400	FH 36A CLOSED VCC/EOC NOTIFIED
0408	FH 606 CLOSED VCC/EOC NOTIFIED
0431	FH 477 CLOSED VCC/EOC NOTIFIED
0528	FLASH FLOOD WARNING ENDED, REOPENING
	HYDRANTS.
0538	FH 803 OPEN, VCC/EOC NOTIFIED
0542	FH 805 OPEN, VCC/EOC NOTIFIED
0556	FH 11A OPEN, VCC/EOC NOTIFIED
0602	FH 21 OPEN, VCC/EOC NOTIFIED
0613	FH 36A OPEN VCC/EOC NOTIFIED
0623	FH 606 OPEN VCC/EOC NOTIFIED
0631	FH 8 OPEN VCC/EOC NOTIFIED
0638	FH 18 OPEN VCC/EOC NOTIFIED
0655	FH 477 OPEN VCC/EOC NOTIFIED

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Thursday, December 30, 2021 9:54 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Thursday, 30 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Flushing Stopped 0908L
 A2 FH ID 3-1 – Flushing Stopped 0846L
 A2 FH ID 4-6 – Flushing Stopped 0935L
 A2 FH ID 8-7 – Flushing Stopped 0938L
 A2 FH ID 1-14 – Flushing Started 1711L
 A2 FH ID 5-16 – Flushing Started 1815L
 A2 FH ID 1-3 – Flushing Started 1840L
 D2 FH ID 429 – Flushing Started 1122L, Flushing Paused 1635L
 D2 FH ID 363 – Flushing Started 1131L, Flushing Paused 1148L, Flushing Resumed 1248L
 D2 FH ID 276 – Flushing Started 1307L, Flushing Paused 1507L, Flushing Resumed 1750L
 D2 FH ID 363 – Flushing Paused 1500L, Flushing Resumed 1800L
 D2 FH ID 006 (No GAC) – Flushing Paused 1510L, Flushing Resumed 1740L
 D2 FH ID 003 – Flushing Started 1557L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1620L, Flushing Resumed 1928L
 F1 FH ID 11A – Flushing Paused 1605L, Flushing Resumed 1917L
 F1 FH ID 18 – Flushing Paused 1614L, Flushing Resumed 1924L
 F1 FH ID 21 – Flushing Paused 1558L, Flushing Resumed 1843L
 F1 FH ID 36A – Flushing Paused 1558L, Flushing Resumed 1830L
 F1 FH ID 606 – Flushing Paused 1544L, Flushing Resumed 1821L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID 325 – Flushing Resumed 0112L / Flushing Paused 0546L
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

r/

srw

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Friday, December 31, 2021 9:31 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Friday, 31 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Flushing Paused 1035L
 A2 FH ID 1-14 – Flushing Paused 0950L
 A2 FH ID 5-16 – Flushing Paused 1027L
 D2 FH ID 003 – Flushing Paused 0914L
 D2 FH ID 006 (No GAC) – Flushing Complete 1130L
 D2 FH ID 276 – Flushing Paused 0817L
 D2 FH ID 325 – Flushing Paused 0839L
 D2 FH ID 363 – Flushing Paused 0904L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1937L
 F1 FH ID 11A – Flushing Paused 1930L
 F1 FH ID 18 – Flushing Paused 1938L
 F1 FH ID 21 – Flushing Paused 1925L
 F1 FH ID 36A – Flushing Paused 1953L
 F1 FH ID 606 – Flushing Paused 1945L
 D3 FH ID 801 – Flushing Started 1215L
 D3 FH ID 805 – Flushing Started 1230L, Flushing Paused 1913L
 D3 FH ID 245 – Flushing Started 1359L
 D3 FH ID 228 – Flushing Started 1456L, Flushing Paused 1659L
 D3 FH ID 477 – Flushing Started 1226L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:35 AM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]; [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED]; Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED]; Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Lett, Julius J SMSgt USAF (USA)
Cc: [REDACTED]
Subject: INFO: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

BLUF: The US Army has assumed the distribution flushing watch with 647 CES UCC over watch a/o 0800, 27 Dec 21. They will conduct 12-hour shifts changing at 0800L and 2000L over a 24-hour period.

Please see the attached flush report for Monday/Tuesday, 27/28 Dec 21, 2000L – 0600L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 400 – Started Flushing 0128L
 D1 FH ID 455 – Continuously Flushed This Period
 D2 FH ID 006 – Started Flushing 2007L
 D2 FH ID 030 – Started Flushing 1950L
 D2 FH ID 074 – Started Flushing 2022L
 D2 FH ID 293 – Started Flushing 0108L
 F1 FH ID FH-8 (No GAC) – Continuously Flushed This Period
 F1 FH ID 11A – Continuously Flushed This Period
 F1 FH ID 018 – Continuously Flushed This Period
 F1 FH ID 021 – Continuously Flushed This Period
 F1 FH ID 36A – Continuously Flushed This Period
 F1 FH ID 606 – Continuously Flushed This Period
 F1 FH ID 613 – Continuously Flushed This Period

r/

SCOTT R. WILEY, Capt, USAF
 Facilities Sustainment Division Deputy Director – PRJ3

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: AhLeong, Peter A MSgt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:34 PM
To: Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Wiley, Scottie R Capt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211228 0800L - 2000L JBPBH DWDSRP Flush Report
Attachments: 20211228 0800L - 2000L JPBHH KDWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Please see the attached flush report for Tuesday, 28 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing stopped 0939L
 D2 FH ID 30 – Flushing stopped 1030L
 F1 FH ID FH-8 (No GAC) – Flushing on
 F1 FH ID 606 – Flushing on
 F1 FH ID 613 – Flushing paused 1157L (field flooded)
 F1 FH ID 36A – Flushing on
 F1 FH ID 21 – Flushing on
 F1 FH ID 11A – Flushing on
 F1 FH ID 18 – Flushing on
~~D1~~ FH ID 6 - Flushing on D2 - LT Cruz
 D2 FH ID 74 - Flushing stopped 1031L
 D2 FH ID 293 – Flushing stopped 0939L
 D1 FH ID 400 – Flushing stopped 0951L
 D2 FH ID 41 – Flushing started 1050L
 A2 FH ID 7-1 – Flushing started 1501L

A2 FH ID 2-7 – Flushing started 1647L

Respectfully,

MSgt Peter A. Ahleong
Mechanical Services Element Superintendent
Naval Facilities Engineering Systems Command, Hawaii
647th Civil Engineer Squadron, JBPHH, HI


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - Continuous Flush this Period
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Thursday, December 30, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Wednesday/Thursday, 29/30 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Continuous Flush This Period
 A2 FH ID 3-1 – Continuous Flush This Period
 A2 FH ID 4-6 – Continuous Flush This Period
 A2 FH ID 8-7 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Respectfully,

//SIGNED//

ISRAEL A. DUARTE, MSgt, USAF

Superintendent, Structural Branch

Naval Facilities Engineering Systems Command Hawaii

Public Works Department, JBPHH

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Thursday, December 30, 2021 9:54 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Thursday, 30 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Flushing Stopped 0908L
 A2 FH ID 3-1 – Flushing Stopped 0846L
 A2 FH ID 4-6 – Flushing Stopped 0935L
 A2 FH ID 8-7 – Flushing Stopped 0938L
 A2 FH ID 1-14 – Flushing Started 1711L
 A2 FH ID 5-16 – Flushing Started 1815L
 A2 FH ID 1-3 – Flushing Started 1840L
 D2 FH ID 429 – Flushing Started 1122L, Flushing Paused 1635L
 D2 FH ID 363 – Flushing Started 1131L, Flushing Paused 1148L, Flushing Resumed 1248L
 D2 FH ID 276 – Flushing Started 1307L, Flushing Paused 1507L, Flushing Resumed 1750L
 D2 FH ID 363 – Flushing Paused 1500L, Flushing Resumed 1800L
 D2 FH ID 006 (No GAC) – Flushing Paused 1510L, Flushing Resumed 1740L
 D2 FH ID 003 – Flushing Started 1557L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1620L, Flushing Resumed 1928L
 F1 FH ID 11A – Flushing Paused 1605L, Flushing Resumed 1917L
 F1 FH ID 18 – Flushing Paused 1614L, Flushing Resumed 1924L
 F1 FH ID 21 – Flushing Paused 1558L, Flushing Resumed 1843L
 F1 FH ID 36A – Flushing Paused 1558L, Flushing Resumed 1830L
 F1 FH ID 606 – Flushing Paused 1544L, Flushing Resumed 1821L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID 325 – Flushing Resumed 0112L / Flushing Paused 0546L
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

r/

srw

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Friday, December 31, 2021 9:31 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]; Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Friday, 31 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Flushing Paused 1035L
 A2 FH ID 1-14 – Flushing Paused 0950L
 A2 FH ID 5-16 – Flushing Paused 1027L
 D2 FH ID 003 – Flushing Paused 0914L
 D2 FH ID 006 (No GAC) – Flushing Complete 1130L
 D2 FH ID 276 – Flushing Paused 0817L
 D2 FH ID 325 – Flushing Paused 0839L
 D2 FH ID 363 – Flushing Paused 0904L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1937L
 F1 FH ID 11A – Flushing Paused 1930L
 F1 FH ID 18 – Flushing Paused 1938L
 F1 FH ID 21 – Flushing Paused 1925L
 F1 FH ID 36A – Flushing Paused 1953L
 F1 FH ID 606 – Flushing Paused 1945L
 D3 FH ID 801 – Flushing Started 1215L
 D3 FH ID 805 – Flushing Started 1230L, Flushing Paused 1913L
 D3 FH ID 245 – Flushing Started 1359L
 D3 FH ID 228 – Flushing Started 1456L, Flushing Paused 1659L
 D3 FH ID 477 – Flushing Started 1226L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Sunday, December 26, 2021 5:55 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); [REDACTED] Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); [REDACTED] Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); [REDACTED] Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED] Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamarita T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); [REDACTED]
Subject: INFO: 20211226 0600 - 1400 JBPHH DWDSRP Flush Report
Attachments: SKM C36821122615050.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Sunday, 26 Dec 21, 0600L – 1400L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Paused this period
 D1 FH ID 782 – Paused 0913L
 F1 FH ID FH-8 (No GAC) – Flushing Resumed 1000L
 F1 FH 606 – Flushing Resumed 0932L
 F1 FH ID 613 – Flushing Resumed 0932L
 F1 FH ID 36A – Flushing Resumed 0941L
 F1 FH ID 21 – Flushing Resumed 2356L
 F1 FH ID 11A – Flushing Resumed 0953L
 F1 FH ID 18 – Flushing Resumed 1005L
 F1 FH ID 19 – Flushing Started 0937L

D2 - LT Cruz

Respectfully,

//SIGNED//

ISRAEL A. DUARTE, MSgt, USAF
 Superintendent, Structural Branch
 Naval Facilities Engineering Systems Command Hawaii
 Public Works Department, JBPHH
 JBPHH, HI
 [REDACTED]

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN <[REDACTED]>
Sent: Monday, December 27, 2021 12:04 AM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED]
 Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA)
Cc: Wiley, Scottie R Capt USAF AFPC (USA)
Subject: INFO: 20211226 0600 - 1400 JBPHH DWDSRP Flush Report
Attachments: SKM C36821122622380.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Sunday, 26 Dec 21, 1400L – 2200L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Paused this period (until 27 Dec)
 D1 FH ID 782 – Flushing Paused 1437L
 F1 FH ID FH-8 (No GAC) – Flushing paused 1505L
 F1 FH 606 – Flushing paused 1445L
 F1 FH ID 613 – Flushing paused 1442L
 F1 FH ID 36A – Flushing paused 1451L
 F1 FH ID 21 – Flushing paused 1455L
 F1 FH ID 11A – Flushing paused 1457L
 F1 FH ID 18 – Flushing paused 1505L
 D2 FH ID 19 – Flushing paused 1901L (GAC disconnected)

V/r
 Michael Corum, MSgt, USAF
 NCOIC, SABER
 Joint Base Pearl Harbor-Hickam
 [REDACTED]

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: KELLY, AUSTIN A 1st Lt USAF PACAF 647 CES/CEC <[REDACTED]>
Sent: Monday, December 27, 2021 9:36 PM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]
[REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED] Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA; Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA; Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA; Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA; Lett, Julius J SMSgt USAF (USA)
Cc: 647 CES/UCC
Subject: 20211227 0800-2000 JBPHH DWDSRP Flush Report
Attachments: 20211227 0800-2000 JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Monday, 27 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing resumed 1949L
D2 FH ID 30 – Flushing resumed 1950L
F1 FH ID FH-8 (No GAC) – Flushing resumed 1828L
F1 FH 606 – Flushing resumed 1838L
F1 FH ID 613 – Flushing resumed 1845L
F1 FH ID 36A – Flushing resumed 1852L
F1 FH ID 21 – Flushing resumed 1900L
F1 FH ID 11A – Flushing resumed 1910L
F1 FH ID 18 – Flushing resumed 1823L
D1 FH ID 6 - Flushing started 2007L
D2 FH ID 74 - Flushing started 2022L

Very Respectfully,

Austin A. Kelly, 1st Lt, USAF
Airfield Deputy Assistant Public Works Officer
Naval Facilities Engineering Systems Command HI

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:35 AM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]; [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED]; Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED]; Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Lett, Julius J SMSgt USAF (USA)
Cc: [REDACTED]
Subject: INFO: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

BLUF: The US Army has assumed the distribution flushing watch with 647 CES UCC over watch a/o 0800, 27 Dec 21. They will conduct 12-hour shifts changing at 0800L and 2000L over a 24-hour period.

Please see the attached flush report for Monday/Tuesday, 27/28 Dec 21, 2000L – 0600L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 400 – Started Flushing 0128L
 D1 FH ID 455 – Continuously Flushed This Period
 D2 FH ID 006 – Started Flushing 2007L
 D2 FH ID 030 – Started Flushing 1950L
 D2 FH ID 074 – Started Flushing 2022L
 D2 FH ID 293 – Started Flushing 0108L
 F1 FH ID FH-8 (No GAC) – Continuously Flushed This Period
 F1 FH ID 11A – Continuously Flushed This Period
 F1 FH ID 018 – Continuously Flushed This Period
 F1 FH ID 021 – Continuously Flushed This Period
 F1 FH ID 36A – Continuously Flushed This Period
 F1 FH ID 606 – Continuously Flushed This Period
 F1 FH ID 613 – Continuously Flushed This Period

r/

SCOTT R. WILEY, Capt, USAF
 Facilities Sustainment Division Deputy Director – PRJ3

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: AhLeong, Peter A MSgt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:34 PM
To: Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Wiley, Scottie R Capt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211228 0800L - 2000L JPBHH DWDSRP Flush Report
Attachments: 20211228 0800L - 2000L JPBHH KDWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Please see the attached flush report for Tuesday, 28 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing stopped 0939L
 D2 FH ID 30 – Flushing stopped 1030L
 F1 FH ID FH-8 (No GAC) – Flushing on
 F1 FH ID 606 – Flushing on
 F1 FH ID 613 – Flushing paused 1157L (field flooded)
 F1 FH ID 36A – Flushing on
 F1 FH ID 21 – Flushing on
 F1 FH ID 11A – Flushing on
 F1 FH ID 18 – Flushing on
 D1 FH ID 6 - Flushing on
 D2 FH ID 74 - Flushing stopped 1031L
 D2 FH ID 293 – Flushing stopped 0939L
 D1 FH ID 400 – Flushing stopped 0951L
 D2 FH ID 41 – Flushing started 1050L
 A2 FH ID 7-1 – Flushing started 1501L

A2 FH ID 2-7 – Flushing started 1647L

Respectfully,

MSgt Peter A. Ahleong
Mechanical Services Element Superintendent
Naval Facilities Engineering Systems Command, Hawaii
647th Civil Engineer Squadron, JBPHH, HI


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: AhLeong, Peter A MSgt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:34 PM
To: Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Wiley, Scottie R Capt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211228 0800L - 2000L JBPBH DWDSRP Flush Report
Attachments: 20211228 0800L - 2000L JPBHH KDWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Please see the attached flush report for Tuesday, 28 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing stopped 0939L
 D2 FH ID 30 – Flushing stopped 1030L
 F1 FH ID FH-8 (No GAC) – Flushing on
 F1 FH ID 606 – Flushing on
 F1 FH ID 613 – Flushing paused 1157L (field flooded)
 F1 FH ID 36A – Flushing on
 F1 FH ID 21 – Flushing on
 F1 FH ID 11A – Flushing on
 F1 FH ID 18 – Flushing on
 D1 FH ID 6 - Flushing on
 D2 FH ID 74 - Flushing stopped 1031L
 D2 FH ID 293 – Flushing stopped 0939L
 D1 FH ID 400 – Flushing stopped 0951L
 D2 FH ID 41 – Flushing started 1050L
 A2 FH ID 7-1 – Flushing started 1501L

A2 FH ID 2-7 – Flushing started 1647L

Respectfully,

MSgt Peter A. Ahleong
Mechanical Services Element Superintendent
Naval Facilities Engineering Systems Command, Hawaii
647th Civil Engineer Squadron, JBPHH, HI


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - Continuous Flush this Period
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: KELLY, AUSTIN A 1st Lt USAF PACAF 647 CES/CEC <[REDACTED]>
Sent: Monday, December 27, 2021 9:36 PM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]
[REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED] Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA; Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA; Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA; Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA; Lett, Julius J SMSgt USAF (USA)
Cc: 647 CES/UCC
Subject: 20211227 0800-2000 JBPHH DWDSRP Flush Report
Attachments: 20211227 0800-2000 JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Monday, 27 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing resumed 1949L
D2 FH ID 30 – Flushing resumed 1950L
F1 FH ID FH-8 (No GAC) – Flushing resumed 1828L
F1 FH 606 – Flushing resumed 1838L
F1 FH ID 613 – Flushing resumed 1845L
F1 FH ID 36A – Flushing resumed 1852L
F1 FH ID 21 – Flushing resumed 1900L
F1 FH ID 11A – Flushing resumed 1910L
F1 FH ID 18 – Flushing resumed 1823L
D1 FH ID 6 - Flushing started 2007L
D2 FH ID 74 - Flushing started 2022L

Very Respectfully,

Austin A. Kelly, 1st Lt, USAF
Airfield Deputy Assistant Public Works Officer
Naval Facilities Engineering Systems Command HI

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:35 AM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]; [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED]; Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED] Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaría T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Lett, Julius J SMSgt USAF (USA)
Cc: [REDACTED]
Subject: INFO: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

BLUF: The US Army has assumed the distribution flushing watch with 647 CES UCC over watch a/o 0800, 27 Dec 21. They will conduct 12-hour shifts changing at 0800L and 2000L over a 24-hour period.

Please see the attached flush report for Monday/Tuesday, 27/28 Dec 21, 2000L – 0600L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 400 – Started Flushing 0128L
 D1 FH ID 455 – Continuously Flushed This Period
 D2 FH ID 006 – Started Flushing 2007L
 D2 FH ID 030 – Started Flushing 1950L
 D2 FH ID 074 – Started Flushing 2022L
 D2 FH ID 293 – Started Flushing 0108L
 F1 FH ID FH-8 (No GAC) – Continuously Flushed This Period
 F1 FH ID 11A – Continuously Flushed This Period
 F1 FH ID 018 – Continuously Flushed This Period
 F1 FH ID 021 – Continuously Flushed This Period
 F1 FH ID 36A – Continuously Flushed This Period
 F1 FH ID 606 – Continuously Flushed This Period
 F1 FH ID 613 – Continuously Flushed This Period

r/

SCOTT R. WILEY, Capt, USAF
 Facilities Sustainment Division Deputy Director – PRJ3

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: AhLeong, Peter A MSgt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:34 PM
To: Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Wiley, Scottie R Capt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211228 0800L - 2000L JPBHH DWDSRP Flush Report
Attachments: 20211228 0800L - 2000L JPBHH KDWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Please see the attached flush report for Tuesday, 28 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing stopped 0939L
D2 FH ID 30 – Flushing stopped 1030L
F1 FH ID FH-8 (No GAC) – Flushing on
F1 FH ID 606 – Flushing on
F1 FH ID 613 – Flushing paused 1157L (field flooded)
F1 FH ID 36A – Flushing on
F1 FH ID 21 – Flushing on
F1 FH ID 11A – Flushing on
F1 FH ID 18 – Flushing on
D1 FH ID 6 - Flushing on
D2 FH ID 74 - Flushing stopped 1031L
D2 FH ID 293 – Flushing stopped 0939L
D1 FH ID 400 – Flushing stopped 0951L
D2 FH ID 41 – Flushing started 1050L
A2 FH ID 7-1 – Flushing started 1501L

A2 FH ID 2-7 – Flushing started 1647L

Respectfully,

MSgt Peter A. Ahleong
Mechanical Services Element Superintendent
Naval Facilities Engineering Systems Command, Hawaii
647th Civil Engineer Squadron, JBPHH, HI


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - ~~Continuous Flush this Period~~
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

Started at 2115
 LT Cruz

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - Continuous Flush this Period
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Thursday, December 30, 2021 9:54 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Thursday, 30 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Flushing Stopped 0908L
 A2 FH ID 3-1 – Flushing Stopped 0846L
 A2 FH ID 4-6 – Flushing Stopped 0935L
 A2 FH ID 8-7 – Flushing Stopped 0938L
 A2 FH ID 1-14 – Flushing Started 1711L
 A2 FH ID 5-16 – Flushing Started 1815L
 A2 FH ID 1-3 – Flushing Started 1840L
 D2 FH ID 429 – Flushing Started 1122L, Flushing Paused 1635L
 D2 FH ID 363 – Flushing Started 1131L, Flushing Paused 1148L, Flushing Resumed 1248L
 D2 FH ID 276 – Flushing Started 1307L, Flushing Paused 1507L, Flushing Resumed 1750L
 D2 FH ID 363 – Flushing Paused 1500L, Flushing Resumed 1800L
 D2 FH ID 006 (No GAC) – Flushing Paused 1510L, Flushing Resumed 1740L
 D2 FH ID 003 – Flushing Started 1557L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1620L, Flushing Resumed 1928L
 F1 FH ID 11A – Flushing Paused 1605L, Flushing Resumed 1917L
 F1 FH ID 18 – Flushing Paused 1614L, Flushing Resumed 1924L
 F1 FH ID 21 – Flushing Paused 1558L, Flushing Resumed 1843L
 F1 FH ID 36A – Flushing Paused 1558L, Flushing Resumed 1830L
 F1 FH ID 606 – Flushing Paused 1544L, Flushing Resumed 1821L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID 325 – Flushing Resumed 0112L / Flushing Paused 0546L
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

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Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Friday, December 31, 2021 9:31 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Friday, 31 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Flushing Paused 1035L
 A2 FH ID 1-14 – Flushing Paused 0950L
 A2 FH ID 5-16 – Flushing Paused 1027L
 D2 FH ID 003 – Flushing Paused 0914L
 D2 FH ID 006 (No GAC) – Flushing Complete 1130L
 D2 FH ID 276 – Flushing Paused 0817L
 D2 FH ID 325 – Flushing Paused 0839L
 D2 FH ID 363 – Flushing Paused 0904L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1937L
 F1 FH ID 11A – Flushing Paused 1930L
 F1 FH ID 18 – Flushing Paused 1938L
 F1 FH ID 21 – Flushing Paused 1925L
 F1 FH ID 36A – Flushing Paused 1953L
 F1 FH ID 606 – Flushing Paused 1945L
 D3 FH ID 801 – Flushing Started 1215L
 D3 FH ID 805 – Flushing Started 1230L, Flushing Paused 1913L
 D3 FH ID 245 – Flushing Started 1359L
 D3 FH ID 228 – Flushing Started 1456L, Flushing Paused 1659L
 D3 FH ID 477 – Flushing Started 1226L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - Continuous Flush this Period
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:35 AM
To: CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN; Corum, Michael L II MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Daly, John F III LCDR USN NAVFAC HAWAII PEARL (USA); [REDACTED]; [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); [REDACTED]; Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Mchenry, Kevin G MSgt USAF 647 ABG (USA); Gallagher, Austin C SSgt USAF 647 ABG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); Pendleton, Cole R SrA USAF 647 ABG (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); [REDACTED] Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Lett, Julius J SMSgt USAF (USA)
Cc: [REDACTED]
Subject: INFO: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211228 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

BLUF: The US Army has assumed the distribution flushing watch with 647 CES UCC over watch a/o 0800, 27 Dec 21. They will conduct 12-hour shifts changing at 0800L and 2000L over a 24-hour period.

Please see the attached flush report for Monday/Tuesday, 27/28 Dec 21, 2000L – 0600L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 400 – Started Flushing 0128L
 D1 FH ID 455 – Continuously Flushed This Period
 D2 FH ID 006 – Started Flushing 2007L
 D2 FH ID 030 – Started Flushing 1950L
 D2 FH ID 074 – Started Flushing 2022L
 D2 FH ID 293 – Started Flushing 0108L
 F1 FH ID FH-8 (No GAC) – Continuously Flushed This Period
 F1 FH ID 11A – Continuously Flushed This Period
 F1 FH ID 018 – Continuously Flushed This Period
 F1 FH ID 021 – Continuously Flushed This Period
 F1 FH ID 36A – Continuously Flushed This Period
 F1 FH ID 606 – Continuously Flushed This Period
 F1 FH ID 613 – Continuously Flushed This Period

r/

SCOTT R. WILEY, Capt, USAF
 Facilities Sustainment Division Deputy Director – PRJ3

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: AhLeong, Peter A MSgt USAF 647 ABG (USA) <[REDACTED]>
Sent: Tuesday, December 28, 2021 11:34 PM
To: Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Wiley, Scottie R Capt USAF 647 ABG (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED]
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211228 0800L - 2000L JBPBH DWDSRP Flush Report
Attachments: 20211228 0800L - 2000L JPBHH KDWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,


Please see the attached flush report for Tuesday, 28 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

D1 FH ID 455 – Flushing stopped 0939L
D2 FH ID 30 – Flushing stopped 1030L
F1 FH ID FH-8 (No GAC) – Flushing on
F1 FH ID 606 – Flushing on
F1 FH ID 613 – Flushing paused 1157L (field flooded)
F1 FH ID 36A – Flushing on
F1 FH ID 21 – Flushing on
F1 FH ID 11A – Flushing on
F1 FH ID 18 – Flushing on
D1 FH ID 6 - Flushing on
D2 FH ID 74 - Flushing stopped 1031L
D2 FH ID 293 – Flushing stopped 0939L
D1 FH ID 400 – Flushing stopped 0951L
D2 FH ID 41 – Flushing started 1050L
A2 FH ID 7-1 – Flushing started 1501L

A2 FH ID 2-7 – Flushing started 1647L

Respectfully,

MSgt Peter A. Ahleong
Mechanical Services Element Superintendent
Naval Facilities Engineering Systems Command, Hawaii
647th Civil Engineer Squadron, JBPHH, HI


Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Wednesday, December 29, 2021 12:13 PM
To: AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Duarte, Israel A MSgt USAF (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211229 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Tuesday/Wednesday, 28/29 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Not Active this Period
 A2 FH ID 2-7 – Continuous Flush this Period
 A2 FH ID 7-1 – Continuous Flush this Period
 D2 FH ID 003 – Not Active this Period
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 - Continuous Flush this Period
 D2 FH ID 061 – Flushing Started 2238L
 D2 FH ID 236 – Flushing Started 2158L
 D2 FH ID 280 – Flushing Started 2241L
 D2 FH ID 301 – Flushing Started 2000L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period
 F1 FH ID 613 – Not Active this Period

r/

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Wednesday, December 29, 2021 9:19 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211229 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Wednesday, 29 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 3-1 – Flushing Started 1740L
 A2 FH ID 2-7 – Flushing Paused 1223L
 A2 FH ID 7-1 – Flushing Paused 1212L
 A2 FH ID 8-7 – Flushing Started 1725L
 A2 FH ID 4-6 – Flushing Started 1812L
 A2 FH ID 1-15 – Flushing Started 1951L
 D2 FH ID 006 (No GAC) – Continuous Flush this Period
 D2 FH ID 105 – Flushing Paused 1510L
 D2 FH ID 061 – Flushing Paused 1430L
 D2 FH ID 236 – Flushing Paused 1437L
 D2 FH ID 280 – Flushing Paused 1446L
 D2 FH ID 301 – Flushing Paused 1400L
 F1 FH ID FH-8 (No GAC) – Continuous Flush this Period
 F1 FH ID 11A – Continuous Flush this Period
 F1 FH ID 18 – Continuous Flush this Period
 F1 FH ID 21 – Continuous Flush this Period
 F1 FH ID 36A – Continuous Flush this Period
 F1 FH ID 606 – Continuous Flush this Period

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID ~~325~~ – Flushing Resumed 0112L / Flushing Paused 0546L **FH 331 instead of FH 325 - LT Cruz**
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

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srw

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Thursday, December 30, 2021 9:54 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Thursday, 30 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Flushing Stopped 0908L
 A2 FH ID 3-1 – Flushing Stopped 0846L
 A2 FH ID 4-6 – Flushing Stopped 0935L
 A2 FH ID 8-7 – Flushing Stopped 0938L
 A2 FH ID 1-14 – Flushing Started 1711L
 A2 FH ID 5-16 – Flushing Started 1815L
 A2 FH ID 1-3 – Flushing Started 1840L
 D2 FH ID 429 – Flushing Started 1122L, Flushing Paused 1635L
 D2 FH ID 363 – Flushing Started 1131L, Flushing Paused 1148L, Flushing Resumed 1248L
 D2 FH ID 276 – Flushing Started 1307L, Flushing Paused 1507L, Flushing Resumed 1750L
 D2 FH ID 363 – Flushing Paused 1500L, Flushing Resumed 1800L
 D2 FH ID 006 (No GAC) – Flushing Paused 1510L, Flushing Resumed 1740L
 D2 FH ID 003 – Flushing Started 1557L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1620L, Flushing Resumed 1928L
 F1 FH ID 11A – Flushing Paused 1605L, Flushing Resumed 1917L
 F1 FH ID 18 – Flushing Paused 1614L, Flushing Resumed 1924L
 F1 FH ID 21 – Flushing Paused 1558L, Flushing Resumed 1843L
 F1 FH ID 36A – Flushing Paused 1558L, Flushing Resumed 1830L
 F1 FH ID 606 – Flushing Paused 1544L, Flushing Resumed 1821L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID 325 – Flushing Resumed 0112L / Flushing Paused 0546L
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

r/

srw

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Friday, December 31, 2021 9:31 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211231 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Friday, 31 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Flushing Paused 1035L
 A2 FH ID 1-14 – Flushing Paused 0950L
 A2 FH ID 5-16 – Flushing Paused 1027L
 D2 FH ID 003 – Flushing Paused 0914L
 D2 FH ID 006 (No GAC) – Flushing Complete 1130L
 D2 FH ID 276 – Flushing Paused 0817L
 D2 FH ID 325 – Flushing Paused 0839L
 D2 FH ID 363 – Flushing Paused 0904L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1937L
 F1 FH ID 11A – Flushing Paused 1930L
 F1 FH ID 18 – Flushing Paused 1938L
 F1 FH ID 21 – Flushing Paused 1925L
 F1 FH ID 36A – Flushing Paused 1953L
 F1 FH ID 606 – Flushing Paused 1945L
 D3 FH ID 801 – Flushing Started 1215L
 D3 FH ID 805 – Flushing Started 1230L, Flushing Paused 1913L
 D3 FH ID 245 – Flushing Started 1359L
 D3 FH ID 228 – Flushing Started 1456L, Flushing Paused 1659L
 D3 FH ID 477 – Flushing Started 1226L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Duarte, Israel A MSgt USAF (USA)
Sent: Thursday, December 30, 2021 9:54 PM
To: Wiley, Scottie R Capt USAF 647 ABG (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED]
 [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report
Attachments: 20211230 0800L - 2000L JBPHH DWDSRP Flush Report.pdf
Signed By: [REDACTED]

Ladies & Gentlemen,

Please see the attached flush report for Thursday, 30 Dec 21, 0800L – 2000L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-13A – Flushing Stopped 0908L
 A2 FH ID 3-1 – Flushing Stopped 0846L
 A2 FH ID 4-6 – Flushing Stopped 0935L
 A2 FH ID 8-7 – Flushing Stopped 0938L
 A2 FH ID 1-14 – Flushing Started 1711L
 A2 FH ID 5-16 – Flushing Started 1815L
 A2 FH ID 1-3 – Flushing Started 1840L
 D2 FH ID 429 – Flushing Started 1122L, Flushing Paused 1635L
 D2 FH ID 363 – Flushing Started 1131L, Flushing Paused 1148L, Flushing Resumed 1248L
 D2 FH ID 276 – Flushing Started 1307L, Flushing Paused 1507L, Flushing Resumed 1750L
 D2 FH ID 363 – Flushing Paused 1500L, Flushing Resumed 1800L
 D2 FH ID 006 (No GAC) – Flushing Paused 1510L, Flushing Resumed 1740L
 D2 FH ID 003 – Flushing Started 1557L
 F1 FH ID FH-8 (No GAC) – Flushing Paused 1620L, Flushing Resumed 1928L
 F1 FH ID 11A – Flushing Paused 1605L, Flushing Resumed 1917L
 F1 FH ID 18 – Flushing Paused 1614L, Flushing Resumed 1924L
 F1 FH ID 21 – Flushing Paused 1558L, Flushing Resumed 1843L
 F1 FH ID 36A – Flushing Paused 1558L, Flushing Resumed 1830L
 F1 FH ID 606 – Flushing Paused 1544L, Flushing Resumed 1821L

Cruz, Nicholas D LT USN NAVFAC SE JAX FL (USA)

From: Wiley, Scottie R Capt USAF 647 ABG (USA) <[REDACTED]>
Sent: Friday, December 31, 2021 9:29 AM
To: Duarte, Israel A MSgt USAF (USA); AhLeong, Peter A MSgt USAF 647 ABG (USA); Collins, Jason A SMSgt USAF USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); [REDACTED] Gruber, Marjorie J LCDR USN CBMU 303 (USA); Kelly, Austin A 1st Lt USAF 647 ABG (USA); [REDACTED] Huang, Andy D CIV USN NAVFAC HAWAII PEARL (USA); Spencer, Matthew A CIV USN COMNAVREG SW SAN CA (USA); Poche, Brennan W LT USN NAVFAC HAWAII PEARL (USA); Williams, Malcolm J Capt USAF 647 ABG (USA); Donovan, Luke T Lt Col USAF 49 MSG (USA); Beattie, Aaron J MAJ USARMY USARPAC (USA); 647 CES/UCC; Howard, Spencer L LT USN CBMU 303 (USA); Natsuhara, Brent T LT USN NAVFAC MARIANAS GU (USA); Cope, Jimmy Lee CPO USN COMEXSTRKGRU TWO (USA); Baranowski, Phillip J CPO USN NAVFAC SE JAX FL (USA); [REDACTED] Hawkins, Brian A PO1 USN NAS KEY WEST FL (USA); Barr, Justin A PO2 USN (USA); Harris, Jamel W PO2 USN (USA); Johnson, Jamaria T PO2 USN (USA); Credle, Gregory E III PO2 USN (USA); Lett, Julius J SMSgt USAF (USA); [REDACTED] Asistio, Maria Angela Grace L 2d LT USAF USN NAVFAC HAWAII PEARL (USA)
Cc: EDWARDS, PHYLYSHA C SSgt USAF PACAF 647 CES/CEOER; Pendleton, Cole R SrA USAF 647 ABG (USA); Mchenry, Kevin G MSgt USAF 647 ABG (USA); Corum, Michael L II MSgt USAF 647 ABG (USA); CORUM, MICHAEL L II MSgt USAF PACAF 647 CES/CEN
Subject: INFO: 20211230 2000L - 0800L JBPHH DWDSRP Flush Report
Attachments: 20211231 2000L - 0800L JBPHH DWDSRP Flush Report.pdf

Ladies & Gentlemen,

Please see the attached flush report for Thursday/Friday, 30/31 Dec 21, 2000L – 0800L. A summary update on distribution flushing is listed below for this period.

Current Location Summary:

A2 FH ID 1-3 – Continuous Flush This Period
 A2 FH ID 1-14 – Continuous Flush This Period
 A2 FH ID 5-16 – Continuous Flush This Period
 D2 FH ID 003 – Continuous Flush This Period
 D2 FH ID 006 (No GAC) – Continuous Flush This Period
 D2 FH ID 276 – Continuous Flush This Period
 D2 FH ID 325 – Flushing Resumed 0112L / Flushing Paused 0546L
 D2 FH ID 363 – Continuous Flush This Period
 D2 FH ID 429 – Flushing Paused 2107L / Flushing Resumed 0034L / Flushing Complete 0529L
 F1 FH ID FH-8 (No GAC) – Continuous Flush This Period
 F1 FH ID 11A – Continuous Flush This Period
 F1 FH ID 18 – Continuous Flush This Period
 F1 FH ID 21 – Continuous Flush This Period
 F1 FH ID 36A – Continuous Flush This Period
 F1 FH ID 606 – Continuous Flush This Period

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February 26, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: WATER STORAGE FACILITIES AND WATER SOURCE FOR ZONES A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3, AND I1

Ref: (a) Drinking Water Sampling Plan, December 2021
(b) Drinking Water Distribution System Recovery Plan, December 2021

Encl: (1) Joint Base Pearl Harbor Hickam Potable Water System Description
(2) S1 and S2 Water Storage Tank Flushing Report Memo
(3) Inspection, Maintenance, and Cleaning of Potable Water Tanks Memo
(4) Ford Island/Shipyard Water Transmission Line Status
(5) JBPHH/Iroquois Point Water Transmission Line Status
(6) Board of Water Supply Interconnection Status

1. This letter and associated enclosures describes and documents the flushing of the water storage facilities that serve the Joint Base Pearl Harbor Hickam (JBPHH) public water system (PWS No. 360). The flushing of the JBPHH water storage facilities and distribution system was completed in accordance with reference (a) and (b). Enclosure (1) describes the JBPHH public water system and storage tanks associated with the system. Page 8 of reference (a) has the flushing zones and water storage facilities located in each zone. The flushing of each zone identified in phase 1 of reference (a) included five volumetric turnovers. The volumetric turnover requirement included the water tank storage and distribution system volume for each zone. The water testing of the distribution system after flushing a zone's water storage tank and distribution system was the confirmation that contamination was removed from the system and that the water tanks was not a source of contamination. Enclosure (2) documents the Hawaii Department of Health's approved change from reference (a) for the flushing of Halawa S-1 and Halawa S-2.

2. Zones A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3 and I1 are currently fed by the Waiawa Shaft water supply source. The pumps from the shafts generally run continuous and range from 6,000 to 14,000 gallons per minute based on the demand of the JBPHH potable water system. The pressure throughout the JBPHH distribution system is aided by the two Halawa water storage tanks. The Halawa S-1 tank is currently in service and the Halawa S-2 tank has been taken offline for maintenance as documented in enclosure (2). Enclosure (3) documents the planned timeline associated with the inspection, maintenance and cleaning of the Navy owned water storage tanks. The planned work is scheduled to be completed before the end of this calendar year. The inspection of the water storage tanks will be conducted in accordance with American Water Works Association (AWWA) Standard for Inspecting and Repairing Steel Water Tanks, Standpipes, Reservoirs, and Elevated Tanks by personnel with the requisite qualifications outlined in this AWWA standard. Zone I1 (Red Hill) is served by Navy owned water storage tanks. The Army operates the consecutive Aliamanu public water system (PWS No. 337) which receives its water from the JBPHH public water

SUBJ: WATER STORAGE FACILITIES AND WATER SOURCE FOR ZONES A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, F2, H1, H2, H3, AND I1

system. The Army's public water system serves the Aliamanu Military Reservation (AMR). The AMR area was subdivided into three flushing zones which included Zones H1, H2, and H3. The planned timeline associated with the inspection, maintenance, and cleaning of the Army owned water storage tanks will be submitted as part of the removal action reports for Zones H1, H2, H3.

3. At this time, there are two water transmission lines that are not in operation. The water transmission line between Ford Island and the Shipyard was offline at the time of the incident as described in Enclosure (3) and is currently going through repairs. The valves at each end of the underwater water transmission line between JBPHH and Iroquois Point were closed on December 5, 2021 and the valves have remained closed since that date as documented in Enclosure (4). Enclosure (5) documents the method for reopening the underwater water transmission line between JBPHH and Iroquois Point to prevent potential contamination and adverse water quality issues. The Navy will notify the Hawaii Department of Health prior to reopening the underwater water transmission line the between JBPHH and Iroquois Point. Additional interconnections with Board of Water Supply (BWS) are described in Enclosure (6). Water being distributed in the system and being stored in water storage tanks that maintain pressure in Zones A1, A2, A3, B1, C1, C2, C3, D1, D2, D3, D4, G1, E1, F1, and F2 have been flushed in accordance with reference (b) and the distribution system tested in accordance with reference (a). The removal action reports for Zones H1, H2, H3, and I1 document the flushing of the water storage tanks that specifically serve those zones.

4. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

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CAPT, CEC, USN

Joint Base Pearl Harbor Hickam (JBPHH) Potable Water Description

Major components of the JBPHH potable water system include:

- Supply sources
 - Waiawa Shaft/Pumping Station
 - Red Hill Shaft/Pumping Station
 - Halawa Shaft/Pumping Station
 - Emergency Interconnections (2 locations)
- Water storage facilities
- 2-6,000,000 gallon steel storage tanks at Halawa
 - 2-200,000 gallon concrete storage tanks at Camp Smith
 - 1-250,000 gallon glass-fused steel storage tank at Camp Smith with a usable storage capacity of 140,000 gallons
 - 2-250,000 gallon glass-fused steel storage tank at Red Hill
- Distribution system
 - Camp Smith Booster Pump (to convey water to the Camp Smith water system)
 - Red Hill Booster Pumps (to convey water to the storage tank)
 - Moanalua Terrace Booster Pumps (to pressurize the water system serving the Moanalua Terrace Housing area)
 - Boneyard Booster Pumps (to pressurize the water system serving the upper elevation of Moanalua Terrace Housing area)
 - Manana Booster Pumps (to pressurize the water system serving the Manana Housing area)
 - A network of pipes, meters, valves, and hydrants for distribution and fire protection

Water Storage Facilities:

Fresh water storage facilities store water for normal, fire, and maximum demand use, and serve to maintain relatively constant pressure in the water system. The JBPHH water system is equipped with two welded steel tanks, each with a storage capacity of six million gallons. These tanks are identified as the Halawa storage tanks S-1 and S-2. Both of these tanks are located adjacent to the Aliamanu Military Reservation at a ground elevation of 140 feet. The diameter of the tanks are 164 feet each, with a nominal height of 48 feet. The spillway elevations of the S-1 and S-2 tanks are 178.5 feet. The tanks are interconnected by a 10-inch line. Water from each of the tanks discharges through separate 24-inch mains and combines to a single 30-inch transmission main.

Other water storage tanks in the JBPHH system include the three tanks at Camp Smith, a storage tank serving the Red Hill Housing area, and three storage tanks serving the Army's Aliamanu Housing area. The Red Hill and Aliamanu tanks are supplied by separate booster pump stations located at the Red Hill Water Pumping Station and the Halawa Storage Tanks, respectively. These tanks are dedicated to serving these two non-Navy housing areas.

February 11, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: S1 AND S2 WATER STORAGE TANK FLUSHING REPORT

Ref: (a) Drinking Water Distribution System Recovery Plan, December 2021

1. This letter documents the current status of the S1 and S2 water storage tanks. In accordance with reference (a), the S1 and S2 water storage tanks were part of the Zone F1 flushing plan. The flushing plan for Zone F1 included both water storage tanks in the five volumetric turnover calculations. The calculated turnover volume was 61.35 million gallons of water. The S1 tank was flushed by cycling the water tank for five volumetric flushes. In order to conserve the amount of water being used in the flushing of Zone F1, the S2 water storage tank was taken out of service and remains out of service to date. This decision resulted in the conservation of approximately 25 million gallons of water. The Hawaii Department of Health (HDOH) was notified of the Navy's modified flushing plan and provided concurrence. The S2 water storage tank is being scheduled for cleaning and maintenance. The Navy will provide details to HDOH on the method and procedures for cleaning and maintenance of the S2 water storage tank prior to the start of work. The Navy will notify the HDOH upon completion of the work and the tank being placed back into service.

2. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

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M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

ENCL(2)

25 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Inspection, Maintenance, and Cleaning of Potable Water Tanks

1. This Memorandum for Record (MFR) is to document the summary processes for inspection, maintaining, and cleaning storage tanks within the Joint Base Pearl Harbor-Hickam potable water system. There are seven potable water storage tanks. Each tank holds water that is consistently in flux – rising and falling according to the dynamic demands for water under certain pressures at specific times. As such, the tanks are continually cycling fresh water recently pumped from the well and chlorinated at the treatment plant. JBPH-H does not drain and clean the tanks per a schedule, however the following records indicate recent cleaning. Tank cleaning follows AWWA M42 - Steel Water Storage Tanks.
 - a. S1 tank inspected and cleaned in 2010, cleaned by in-house EV remediation shop, mainly to remove sediment from the tank floor.
 - b. S2 tank inspected and cleaned 2007, cleaned by in-house remediation shop, mainly to remove sediment from the tank floor.
 - c. Red Hill tank No. 685 was inspected in 2013, via remote camera vehicle
 - d. Red Hill tank No. 316 was installed in 2017 and has not yet been inspected
 - e. Camp Smith tanks (3) were inspected and cleaned in 2013.
2. As the seven tanks have not been inspected a group for several years, the Public Works Department shall funds and contract a complete inspection and cleaning for all tanks in accordance with AWWA standards by then end CY 2022.
3. Tanks are monitored and operated using a Supervisory Control and Data Acquisition (SCADA) system to ensure that they are at the right levels and pumps and valves are operating at prescribed times and speeds, overseen by Utilities staff 24/7. Our field team is regularly physically engaged with these tanks to ensure functionality, condition, and security of the tanks. There are frequent field actions near and connected to the tanks – they are routinely inspected per the requirements to manage the system.
4. As the tank hardware ages and requires repair and replacement, a tank may be isolated, drained and taken out of service to conduct this work. At these times, when work involved the interior of the tank, a full cleaning and refilling is conducted. This is typically done with a contract.
5. The S2 tank, a 6 MG tank that, with the S1 tank, provides the ability to keep pressurized water in the system for firefighting while serving the domestic demand, has been secured from the rest of the system since December 22, 2021. The water in the tank has been sampled and the results have shown a non-detect for TPH. Public work will make repairs and clean this tank within the next 90 days. The process to flush, clean and return the tank to the system is as follows:
 - a. Repair S1/S2 overflow 24" drain line with Cured-in-Place Pipe
 - b. Drain S2 tank via existing drain line, leading to the city storm drainage system
 - c. Clean and Disinfect S2 tank (Following ANSI/AWWA C652-02: Disinfection of Water-Storage Facilities)
 - d. Perform bacteriological and TPH sampling and testing
 - e. Return S2 tank to service

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam

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22 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Ford Island/Shipyard Water Transmission Line Status

1. This Memorandum for Record (MFR) is to document the status of the underwater crossing water transmission line (pipe) that connects the Ford Island and Shipyard areas of the Joint Base Pearl Harbor-Hickam Potable Water System.
2. As part of the P-209 Dry Dock 3 Replacement design effort, a contractor was performing soil borings at Hospital Point near the Shipyard. The contractor damaged the 24-inch underwater crossing during one of their borings on 15 June 21, by drilling through the casing and pipe.
3. JBPHH has begun plans for repairing or replacing this damaged line. A Design consultant is scheduled to start the design on the repairs in March of 2022. Construction funds for the repair are allocated for Fiscal Year 2023.
4. The water transmission line was secured from the JBPHH system via an isolation valve on the Ford Island side, and physical pipe removal on the Shipyard side. Enclosure [1] is a picture taken on 22 January 2022 of the physical pipe removal at Hospital Point.
5. The Ford Island isolation valve is less than 5 years old, and PWD personnel have verified in the field that there are no indications of leak-by, via audible tests and noting the lack of vibrations.
6. a pitot-style flow meter that has been sending false readings is located in the currently isolated section is, as there is no water flow in this not-in-service piping. Isolation was performed with in-house NAVFAC forces on 5 Dec 2021. PWD has not explored the root cause of the false reading, as the piping is isolated, and the meter is not used for any other purposes. Possible cause of the flow readings may be air trapped in the lines that shows pressure differentials as tide changes.

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam



25 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Joint Base Pearl Harbor-Hickam – Iroquois Point Water Connection

ENCL.: (1) Interconnection line drainage schematic

1. This Memorandum for Record (MFR) is to document the process to reopen and flush the 24" potable water system interconnection line between Iroquois Point and Bishop Point on Joint Base Pearl Harbor-Hickam.
2. Like most looped systems, the water in this interconnection flows in both directions depending on demand. On work days, when residents are typically not on Iroquois Point and the Joint Base is operating, water typically flows from west to east. On nights and weekends, the water may flow from east to west, depending on if the Kapilina Homes in Iroquois Point is operating the irrigation system, and similarly, what the demand is on the Joint Base proper from housing communities near Bishop Point. The long-term closure of the line is possible because each zone has multiple feeds. The presence of these looped interconnections allows redundancy – if one feed goes off-line for maintenance or unexpectedly, the area has a redundant feed to continue service.
3. The interconnection was secured on 05 Dec. 2021 by closing the gate valve on each end (shore) of the interconnection. The water between these valves has not moved since then. When we bring this section back online, the process will be as follows, and according to the diagram in Enclosure (1).
 - a. Secure two additional valves (126 and 130 at West Loch). See Enclosure (1).
 - b. Open valve 128 (currently shut) at West Loch
 - c. Open valve at Hickam that is currently shut
 - d. Open and flush from hydrant no. 64 at West Loch, located between valves 126 and 128.
 - e. Flush transmission line for 6-8 hours to the sanitary sewer.
 - f. Flushing, chlorination and testing of the transmission main will follow ANSI/AWWA C651-05: Disinfecting Water Mains.
 - g. Collect first sample for bacteriological testing after flushing.
 - h. Collect second sample (at least 24 hours after first sample) for bacteriological testing.
 - i. Open valves 126 and 130 and valves on Bishop Point, completing the loop.

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam

ENCL(5)

The diagram is a hand-drawn schematic of a water distribution system. It features several key components and annotations:

- Top Section:** A horizontal line represents a main pipe. Above it, handwritten text reads "INST. 1953" and "20\" B.J. ACROSS CHANNEL FROM HICKAM". A blue arrow points down to this line.
- Left Side:** A vertical line is labeled "DEWATERING". To its left, a red-bordered box contains the text: "Flush from fire hydrant 64 inside EOD Compound". A red arrow points from this box to a circled valve labeled "64".
- Central Section:** A diagonal line runs from the top left towards the bottom right. Along this line, there are several valves labeled "128", "127", "126", and "130". A blue-bordered box on the right contains the text: "Valve 128 currently shut, will need to open to flush through hydrant 64". A blue arrow points from this box to valve "128".
- Bottom Section:** A horizontal line at the bottom is labeled "18\" C.I.". A blue-bordered box at the bottom center contains the text: "Will need to shut valves 130 and 126 (currently open)". A blue arrow points from this box to valve "126".
- Other Features:**
 - A "METER" is indicated on the diagonal line.
 - A "PLUG" is marked on the diagonal line.
 - A dashed line labeled "FW 2\" PVC" runs from the bottom right towards the center.
 - Handwritten numbers "0391" and "0345" are visible on the left side.
 - The text "ENCLOSURE 1" is written in the bottom right corner.

22 February 2022

MEMORANDUM FOR RECORD

SUBJECT: Board of Water Supply Interconnection Status

Ref: [1] Management Inquiry Into Manana Booster/BWS dtd 29 Dec 2021

1. This Memorandum for Record (MFR) is to document the status of the Board of Water Supply (BWS) interconnections with the Joint Base Pearl Harbor Hickam Potable Water System. The JBPHH system has four interconnection points with BWS: (1) Puuloa Road, (2) Halawa Heights Road, (3) Manana Housing, and (4) Red Hill.
2. BWS physically removed the meters from two of the interconnections, creating an “air gap” between the BWS system and the Navy system at both the Puuloa Road location and the Halawa Heights Road location. BWS performed that work on or around 10 December 2021. PWD personnel confirmed that the meters were removed on 14 December 2021.
3. Red Hill and Manana Housing BWS interconnections are still physically connected. The Red Hill interconnection is isolated on both the BWS side and Navy side of the connection. Manana interconnection was opened on 16 November 2021, and is feeding Manana housing. Isolation valves have been secured from the Navy supply to Manana, to isolate Manana Housing from the JBPHH System (Reference [1]).
4. Prior to December 2017, there was a fifth BWS interconnection with the JBPHH system, located at Geiger Road. The Kalaeloa area of the JBPHH water system was transferred from Navy to the Kalaeloa Water Company in December 2017. The BWS interconnection was included in the transfer. Shortly after the transfer, PWD Utilities personnel physically removed the connection from West Loch to Geiger Road piping, “air gapping” the KWC system and the JBPHH system.

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CAPT R. Harmeyer
Public Works Officer
Joint Base Pearl Harbor Hickam

ENCL(6)

March 3, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE D2 DISTRIBUTION SYSTEM EXCEEDANCE INVESTIGATION SUMMARY
AND RESULTS

Encl: (1) Zone D2 Stage 2 Distribution Sampling Report
(2) Zone D2 Distribution System Sampling Report

1. The Zone D2 Distribution System sampling results are listed in enclosures (1) and (2). The samples of the distribution system were taken at the hydrants. The categories of the results are broken down into non-detect, detect below limit levels, and exceedance. A non-detect occurs when the laboratory does not detect a measurable amount of an analyte. A detect below limit levels occurs when the laboratory detects a measurable amount of an analyte below Incident Specific Parameters (ISPs), Department of Health (DoH) Environmental Action Levels (EALs) or Maximum Contaminant Levels (MCLs), or Environmental Protection Agency (EPA) MCLs. An exceedance occurs when the laboratory detects a chemical and the amount detected is higher than established acceptable thresholds. All chemical and metal detections are shown in enclosures (1) and (2). The various agency limits are listed for reference and the result along with the location of the exceedance sample is listed in tabular form. Results highlighted in yellow exceed the ISP. Results in purple font also exceed the EAL. Results in green font also exceed the DOH MCL. Results in blue font also exceed the EPA MCL.

2. Enclosure (1) contains the initial distribution system sample results for Zone D2. Based on the results of enclosure (1), the IDWST approved moving onto residential flushing and sampling. During this period, the IDWST decided that additional distribution samples would be prudent to ensure that the distribution sampling was more representative of the entire zone. Enclosure (2) documents the 12 additional distribution sample locations that were taken in Zone D2. One of the twelve additional distribution sample location test results was above the ISP for TPH of 211 parts per billion (ppb) with a value of 260 ppb. Since the additional distribution sample results were reviewed by the IDWST with the building (residence and non-residence) sampling results, the investigation summary and resample results for the distribution system are covered in section 2b.3 of this report.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

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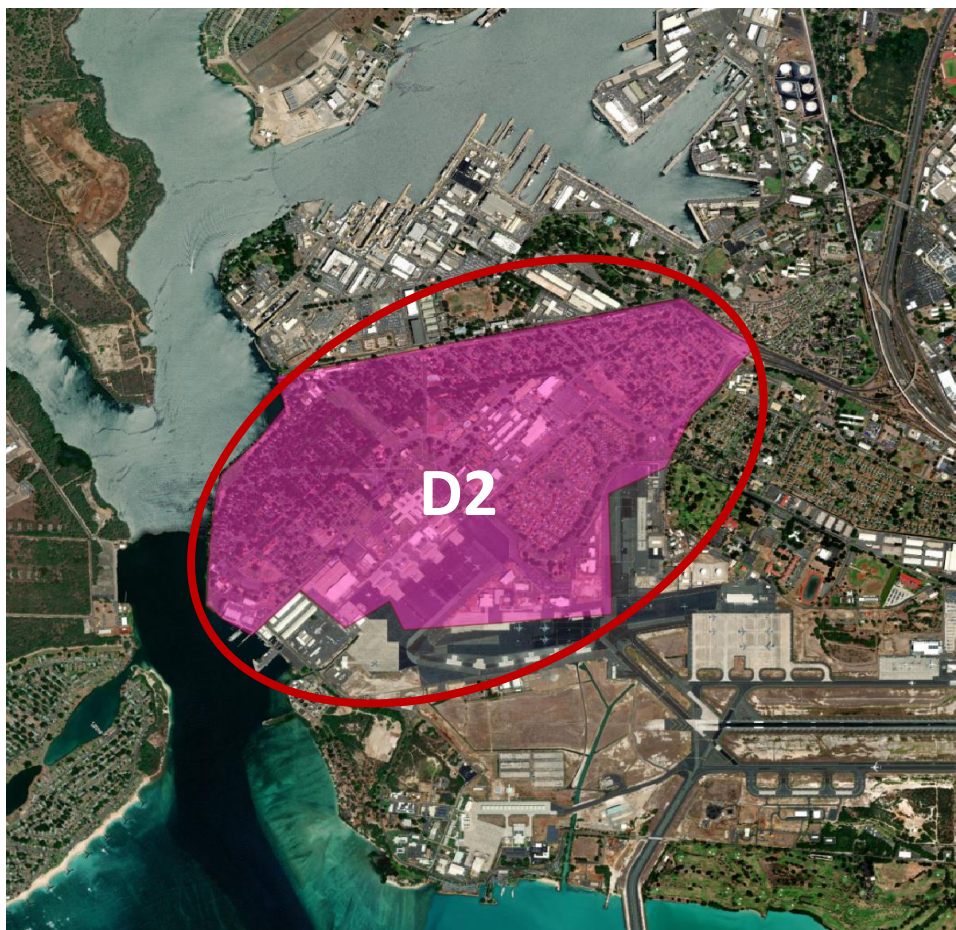
M. W. Meno
CAPT, CEC, USN



Interagency Drinking Water System Team

Drinking Water Distribution System Recovery Plan: *Stage 2 Sampling* *Results for Zone D2*

Joint Base Pearl Harbor-Hickam (JBPHH)
26 January 2022



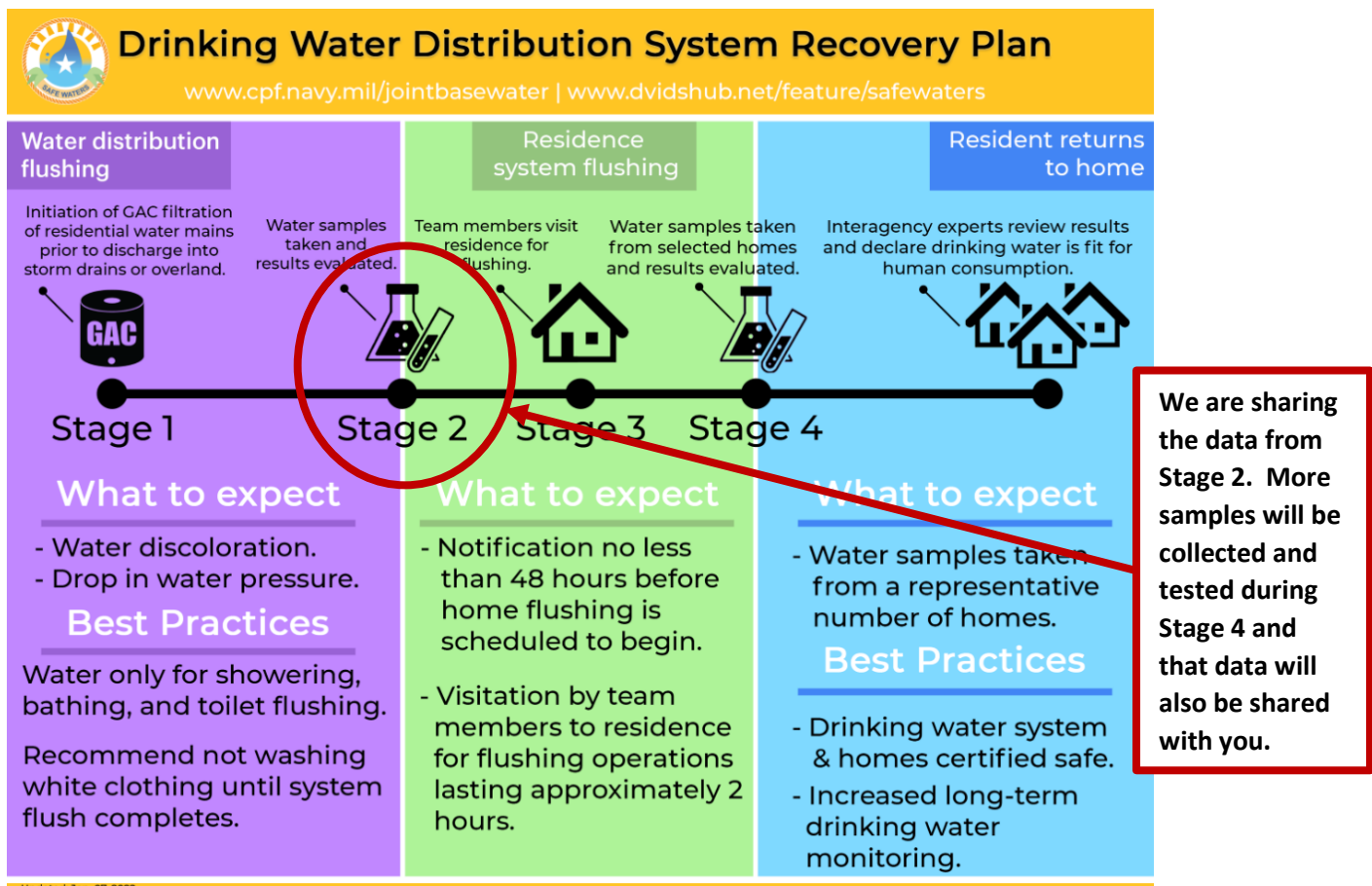
Neighborhoods included in Zone D2: Ford Island (Battleship Cove, Kamehameha, Luke Field, and Landing)

EXECUTIVE SUMMARY FOR ZONE D2

The State of Hawaii Department of Health's (DOH) November 29, 2021 [Public Health Advisory for the JPBHH Public Water System](#) for Zone D2 remains in effect. DOH recommends all Navy water system users should avoid using the water for drinking, cooking, or oral hygiene. This includes consumption by pets. Navy water system users who detect a fuel-like odor from their water should also avoid using the water for bathing, dishwashing or laundry.

We have thoroughly flushed, sampled, and tested the water distribution system lines (Water Mains) in Zone D2. This Zone has moved to Stage 3–Building Flushing/Stage 4–Building Sampling, in the Drinking Water Distribution System Recovery Plan (see the Figure below). Based on the samples collected and tested, to date, this water meets all U.S. Environmental Protection Agency (EPA) and State of Hawaii Department of Health (DOH) standards that are applicable to the Navy Water System Incident.

No final conclusions or recommendations can be made at this time for the drinking water in your zone because more drinking water samples are being collected and tested from Water Mains, residences, buildings, schools, and child development centers (after they have been flushed). We are sharing this information to keep you updated on our progress towards restoring the water supply being provided to your community.



For additional information, please visit: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.



Table 1. Contaminants Detected in Drinking Water Samples Collected from Water Mains in Zone D2

Contaminant	Sampling Date	Units	DOH Project Screening Level	Basis of DOH Screening Level ²	Highest Level Detected	Meets DOH Screening Level? (Yes / No)	Typical Source of Contaminant
Contaminants of Concern¹							
Benzene	01/04/2022	ppb	5	MCL	ND	Yes	Discharge from factories; Leaching from gas storage tanks and landfills
Ethylbenzene	01/04/2022	ppb	700	MCL	ND	Yes	Discharge from petroleum refineries
Toluene	01/04/2022	ppb	1000	MCL	ND	Yes	Discharge from petroleum factories
m,p-Xylenes	01/04/2022	ppb	10000	MCL	ND	Yes	Discharge from petroleum factories; Discharge from chemical factories
o-Xylenes	01/04/2022	ppb	10000	MCL	ND	Yes	
1-Methylnaphthalene	01/04/2022	ppb	2.1	ISP	ND	Yes	Used to make other chemicals such as dyes, and resins; also, present in cigarette smoke, wood smoke, tar, asphalt, and at some hazardous waste sites
2-Methylnaphthalene	01/04/2022	ppb	4.7	ISP	ND	Yes	Used to make other chemicals such as dyes, and resins; also used to make vitamin K; and is present in cigarette smoke, wood smoke, tar, asphalt, and at some hazardous waste sites
Naphthalene	01/04/2022	ppb	12	ISP	ND	Yes	Naphthalene is found in coal tar or crude oil and is used in the manufacture of plastics, resins, fuels, and dyes, and as a fumigant
Lead	01/01/2022	ppb	15	ISP	0.38	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Total Petroleum Hydrocarbons (TPH)-Gasoline	01/04/2022	ppb	200	ISP	ND	Yes	Gasoline is a petroleum product that can contaminate drinking water through spills and other releases into the environment
TPH-Diesel	12/31/2021	ppb	200	ISP	44	Yes	Diesel is a petroleum product that can contaminate drinking water through spills and other releases into the environment
TPH-Oil	01/04/2022	ppb	200	ISP	ND	Yes	Oil is a petroleum product that can contaminate drinking water through spills and other releases into the environment
Total Organic Carbon (TOC)	01/04/2022	ppb	2000	ISP	0.24	Yes	Naturally present in the environment, but also can be an indicator of contamination, including petroleum or other sources

JBPHH – Interagency Drinking Water System Team



Contaminant	Sampling Date	Units	DOH Project Screening Level	Basis of DOH Screening Level ²	Highest Level Detected	Meets DOH Screening Level? (Yes / No)	Typical Source of Contaminant
Metals							
Barium	01/01/2022	ppb	2000	MCL	2.2	Yes	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	01/04/2022	ppb	100	MCL	1.4	Yes	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; Runoff from waste batteries and paints
Copper	01/01/2022	ppb	1300	AL	2.9	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Volatile Organic Compounds - ND							
Synthetic Organic Compounds (SOCs) or Semi-Volatile Organic Compounds (SVOCs)							
Di(2-ethylhexyl) adipate (aka bis(2-ethylhexyl) adipate)	01/01/2022	ppb	400	MCL	0.12	Yes	Discharge from chemical factories/widely used plasticizer and prevalent environmental contaminant.

Notes:

1. These contaminants are listed whether detected or non-detect (ND) because these are incident specific. All other contaminants are only listed if detected.
2. DOH uses multiple criteria to assess the safety of the drinking water including maximum contaminant levels (MCLs) previously established environmental action levels (EALs) and incident specific parameters (ISPs).
3. Acronyms and explanation of terms used in this table are presented on the following pages. For assistance in understanding and interpreting information in this table, refer to FACT SHEET, Understanding You Water Quality Summary Table, available online at: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.
4. For more information regarding Total Petroleum Hydrocarbons, refer to the FACT SHEET What Are Petroleum Hydrocarbons?, available online at: https://health.hawaii.gov/about/files/2021/12/21.12.16_What-Are-Petroleum-Hydrocarbons.pdf.



Drinking Water Distribution System Recovery Plan: Stage 2 Sampling Results for Zone D2

What is the purpose of this Stage 2 Sampling Results Report?

This is a progress report and presents the testing results from drinking water distribution system samples that have been collected, to date, from the water distribution system lines (Water Mains) in your Zone. These samples were collected after extensive flushing of the distribution system was performed using clean water from the Navy Waiawa Shaft. This is Stage 2 of the 4-Stage process described in the [Drinking Water Distribution System Recovery Plan](#).

No final conclusions or recommendations can be made at this time for the drinking water in your zone because more drinking water samples are being collected and tested from Water Mains, residences, buildings, schools, and child development centers. We are sharing this information to keep you updated on our progress towards restoring the water supply being provided to your community.

What was found?

The table presented above (Table 1) presents all contaminants that were detected in drinking water samples that have been collected, to date, from the Water Mains in your Zone during Stage 2. Hawaii DOH used multiple standards/criteria (called DOH Project Screening Levels) to assess the safety of the drinking water to include:

- EPA and Hawaii DOH Maximum Contaminant Levels (MCLs) standards for drinking water,
- Previously established Environmental Action Levels (EALs); and
- Incident Specific Parameters (ISPs).

Based on these data, this Zone moved to Stage 3–Building/Home Flushing, in the [Drinking Water Distribution System Recovery Plan](#).

What contaminants were tested?

Drinking water, including bottled water, can contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants tested can be obtained by calling the Hawaii DOH Safe Drinking Water Branch at 808-586-4258.

In order to ensure that drinking water is safe to drink, EPA and Hawaii DOH regulate the amount of certain contaminants in water provided by public water systems. The primary categories of monitored contaminants include volatile organic compounds (VOCs), synthetic organic chemicals (SOCs)/semi-volatile organic compounds (SVOCs), metals, Total Petroleum Hydrocarbons (TPH), Total Organic Carbon (TOC) chlorine and pH. A description of these contaminant categories can be found under Explanation of Terms located at the end of this report. The full list of contaminants that were tested for are



presented in the laboratory reports are located at: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.

What happened leading up to Public Health Advisory being issued?

After receiving reports of a fuel-like smell or visual sheen in the drinking water from residents of Joint Base Pearl Harbor – Hickam (JBPHH) on November 28, 2021, the Navy immediately stopped using water from the Red Hill Shaft. Out of abundance of caution, the Navy also stopped using water from the Navy Aiea Halawa Shaft. The Navy's water system provides drinking water to JBPHH, including the Army, Air Force, Marine Corps, and Hawaii residents in some neighborhoods close to JBPHH. The Hawaii DOH issued a [Public Health Advisory on November 29, 2021](#). The Hawaii DOH, the United States Environmental Protection Agency (EPA), Navy, and Marine Corps Public Health Center, and Army formed the Interagency Drinking Water System Team (IDWST) to work on a coordinated effort to restore safe drinking water to all Navy Water System users.

Has the Public Health Advisory been amended or lifted?

No. Please continue to follow the Public Health Advisory for Navy Water System users and only use your drinking water for non-consumptive purposes as long as your water does not have a visible sheen and remains odor free. Your service may have provided more restrictive guidance. As stated above, we are at Stage 2 of the 4-Stage process described in the Drinking Water System Recovery Plan and the Public Health Advisory will be re-evaluated by Hawaii DOH after Stage 4 in the process.

Where does our water come from?

The source of all water for all Navy Water System users now comes only from the Navy Waiawa Shaft, which was not impacted by the release of Jet Fuel (JP-5) that occurred at Red Hill in late November 2021. The Waiawa Shaft has been sampled and EPA and DOH confirmed that it meets all federal and state drinking water standards and it will continue to be sampled in accordance with EPHA and DOH requirements.

What is the IDWST doing to clean the drinking water distribution system?

The IDWST evaluated multiple options for cleaning the Navy drinking water distribution system and determined that high-volume flushing of the Navy drinking water distribution system (all water mains/laterals/buildings) with 3 to 5 volumes of clean water from the Waiawa Shaft, followed by extensive testing to confirm that flushing worked, would restore safe drinking water to all Navy Water System users.

When was Water Main flushing conducted in Zone D2?

The final round of distribution water main flushing in Zone D2 was completed on December 31, 2021.



How much water was flushed through the water distribution system in Zone D2?

From December 20 – 31, 2021, a total of 2.7 million gallons was flushed through Zone D2.

Where can I get more information about the potential health effects associated with these contaminants?

Hawaii Department of Health (DOH)

<https://health.hawaii.gov/about/navy-water-system-quality-updates/>.

Call the DOH Safe Drinking Water Branch at 808-586-4258

US Environmental Protection Agency (EPA)

<https://www.epa.gov/ground-water-and-drinking-water/forms/online-form-epas-office-ground-water-and-drinking-water>.

Call EPA Region 9's Environmental Information Center at 1-866-372-9378

See the FACT SHEET, Understanding Your Water Quality Summary Table, available online at: <https://www.cpf.navy.mil/JBPHH-Water-Updates/>.

Acronyms used in the Table

AL	Action Level (for Lead and Copper)
DOH	Hawaii Department of Health
EAL	Environmental Action Level
EPA	U.S. Environmental Protection Agency
ISP	Incident Specific Parameter
MCL	Maximum Contaminant Level
ND	Non-Detect
ppb	parts per billion (or ug/L)
SDWA	Safe Drinking Water Act
SOCs	Synthetic Organic Compounds (also known as SVOCs)
SVOCs	Semi-Volatile Organic Compounds (same as SOC)
TPH	Total Petroleum Hydrocarbons
TOC	Total Organic Carbon
ug/L	micrograms per liter (or ppb)
VOCs	Volatile Organic Compounds

Explanation of Terms used in this Report

Action Level (AL). This AL is for Lead and Copper. The AL is a measure of the effectiveness of the corrosion control treatment in water systems. The AL is not a standard for establishing a safe level of lead or copper. The AL is the point at which certain provisions of the proposed standards must be initiated.

Contaminant. Contaminant is any physical, chemical, biological, or radiological substance or matter in water, and can be either healthy or unhealthy, depending on the particular substance and concentration. It could also be a physical parameter monitored like pH or temperature.



Incident Specific Parameters (ISP). To more comprehensively monitor and respond to this specific petroleum contamination of drinking water, the DOH identified contaminants that require additional action prior to amending the Health Advisory. The ISP is used as a line of evidence to evaluate the data generated in each Zone during the investigation conducted by the IDWST.

Maximum Contaminant Level (MCL). An MCL is the maximum permissible level of a contaminant in water which is delivered to any user of a public water system. The MCL is set to protect the public from acute and chronic health risks associated with consuming water containing these contaminants.

Metals. Metals are chemicals that are not derived from living sources and in general do not contain carbon. Metals include antimony, arsenic, asbestos, barium, beryllium, cadmium, chromium, copper, cyanide, fluoride, lead, mercury, nitrate, nitrite, selenium, and thallium. These contaminants get into drinking water supplies through industrial discharge or spills, erosion of natural deposits, corrosion, sewage discharge, fertilizer runoff, and other sources.

Project Specific Screening Level. DOH uses multiple criteria to assess the safety of the drinking water including maximum contaminant levels (MCLs), previously established environmental action levels (EALs) and incident specific parameters (ISPs).

Synthetic Organic Compounds (SOCs)/Semi-Volatile Organic Compounds (SVOCs). SOCs and SVOCs may be used interchangeably and are man-made, organic (carbon-based) chemicals that are less volatile than Volatile Organic Contaminants (VOCs). They are used as pesticides, defoliants, fuel additives, and as ingredients for other organic chemicals.

Tier 1 Environmental Action Level (EAL). Tier 1 Environmental Action Levels (Tier 1 EALs) are concentrations of contaminants in drinking water and other media (e.g., soil, soil gas, and groundwater) below which the contaminants are assumed to not pose a significant threat to human health or the environment. Exceeding the Tier 1 EAL does not necessarily indicate that contamination at the site poses environmental hazards but generally warrants additional investigation.

Total Petroleum Hydrocarbons (TPH). TPH is a term used to describe a large family of several hundred chemical compounds that come from crude oil. Crude oil is used to make petroleum products, which can contaminate the environment. TPH is grouped by TPH-Gasoline, TPH-Diesel, and TPH-Oil.

Total Organic Carbon (TOC). TOC is naturally present in the environment, but also can be an indicator of contamination, including petroleum or other sources.

Units. A unit is the concentration of contaminant found in the water. For this report, the units are expressed in U.S. Standard Units.

U.S. Standard Unit (Name)	Acronym	Equivalent International System of Units (Name)	Acronym
parts per million	ppm*	milligrams per Liter	mg/L
parts per billion	ppb*	micrograms per Liter	ug/L

*One (1) part per million (ppm) is 1,000 parts per billion (ppb).

Volatile Organic Compounds (VOCs). VOCs are a class of chemicals that contain carbon and evaporate, or volatilize, easily into air at room temperature. VOCs are found in a variety of commercial, industrial, and residential products, including gasoline, solvents, cleaners and degreasers, paints, inks and dyes, and pesticides.

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:										
Field Sample ID:	D2-HYD0079	D2-HYD0079	D2-HYD0498	D2-HYD0498	D2-HYD219	D2-HYD219	D2-HYD236	D2-HYD236	D2-HYD236	D2-HYD236
	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
	FH:519	FH:519	FH:509	FH:509	FH:219	FH:219	FH:236	FH:236	FH:236	FH:236
	20220114-D2-WT03	2020114-D2-WT03	20220114-D2-WT04	2020114-D2-WT04	20220114-D2-VT03	20220114-D2-VT03	20220114-D2-WT01	20220114-D2-WT01	20220114-D2-WT01	220114-D2-WT01
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N	N	N	N	N	N	N	N

GENCHEM (mg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY
Total Organic Carbon		2	None	None	None	2.12 J		2.10 J		2.44 J		2.00 J	--
HC (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS
Petroleum Hydrocarbons (as Diesel)		200	400	None	None	120		--	90.0 U	--	93.0 U	--	93.0 U
Petroleum Hydrocarbons (as Gasoline)		200	300	None	None	31.0 U		--	31.0 U	--	31.0 U	--	31.0 U
Petroleum Hydrocarbons (as Motor Oil)		200	500	None	None	190 U		--	260		190 U	--	190 U
Total Petroleum Hydrocarbons		211				120		--	260		--	--	--
HERB (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS
Pentachlorophenol		None	None	None	None	0.0200 U		--	0.0200 U	--	0.0200 U	--	0.0200 U
HG (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY
Mercury		2	0.025	2	2	--		--	--	--	--	--	--
METAL (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 980851	SDG: C22A020 rev1-Dis	SDG: 980851	SDG: C22A020 rev1-Dis	SDG: 980851	SDG: C22A020 rev1-Dis	SDG: 980861
Antimony		6	6	6	6	--	0.110 U	--	0.110 U	--	0.110 U	--	0.110 U
Arsenic		10	10	10	10	--	0.300 J	--	0.330 J	--	0.350 J	--	0.320 J
Barium		2000	220	2000	2000	--	1.80 J	--	1.70 J	--	1.80 J	--	1.80 J
Beryllium		4	0.66	4	4	--	0.0910 U	--	0.0910 U	--	0.0910 U	--	0.0910 U
Cadmium		5	3	5	5	--	0.0290 U	--	0.0290 U	--	0.0290 U	--	0.0290 U
Chromium		100	11	100	100	--	1.20	--	1.20	--	1.90	--	1.20
Copper		1300	2.9	1300	1300	--	7.90	--	4.20	--	7.10	--	3.30
Lead		15	5.6	15	15	--	0.710	--	0.610	--	6.10	--	0.550
Mercury		2	0.025	2	2	--	0.0200 U	--	0.0200 U	--	0.0200 U	--	0.0200 U
Nickel		None	None	None	None	--	--	--	--	--	--	--	--
Selenium		50	5	50	50	--	1.20 J	--	1.60 J	--	1.30 J	--	1.20 J

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-HYD321	D2-HYD321	D2-HYD365	D2-HYD365	D2-HYD420	D2-HYD420	D2-HYD420	D2-HYD429	D2-HYD429	
Residence:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
	FH:321	FH:321	FH:365	FH:365	FH:420	FH:420	FH:429	FH:429	FH:429	
Field Sample ID:	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220114-D2-VT01	20220104-D2-ZT08
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-01	2022-01-01	2022-01-04
Sample Type:	N	N	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A002	SDG: 2A06017 D2 ONLY
Total Organic Carbon		2	None	None	None	--	3.69 J	--	2.90 J	--	--	--	0.237 J

HC (µg/L)	Incident Specific Parameters	200	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 5801093282	SDG: C22A020 rev1-Dis	SDG: 5801093282	SDG: C22A020 rev1-Dis	SDG: 5801093321_Dis	SDG: 5801088691	SDG: 5801090092
Petroleum Hydrocarbons (as Diesel)		200	400	None	None	--	--	--	--	93.0 U	93.0 U	89.0 U	93.0 U
Petroleum Hydrocarbons (as Gasoline)		200	300	None	None	--	--	--	--	31.0 U	31.0 U	31.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)		200	500	None	None	--	--	--	--	190 U	190 U	180 U	190 U
Total Petroleum Hydrocarbons		211		--	None	--	--	--	--	--	--	--	--

HERB (µg/L)	Incident Specific Parameters	None	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 980847	SDG: C22A020 rev1-Dis	SDG: 980853	SDG: C22A020 rev1-Dis	SDG: 980861	SDG: C22A002	SDG: 2A06017 D2 ONLY
Pentachlorophenol		None	None	None	None	--	0.0200 U	--	0.0200 U	--	0.0200 U	--	--

HG (µg/L)	Incident Specific Parameters	2	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: 2A02022-02	SDG: 2A06017 D2 ONLY
Mercury		2	0.025	2	2	--	--	--	--	--	--	0.0170 U	0.0170 U

METAL (µg/L)	Incident Specific Parameters	6	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Dis	SDG: 980847	SDG: C22A020 rev1-Dis	SDG: 980853	SDG: C22A020 rev1-Dis	SDG: 980861	SDG: 2A02022-02	SDG: 2A06017 D2 ONLY
Antimony		6	6	6	6	--	0.110 U	--	0.110 U	--	0.110 U	0.0889 U	0.0889 U
Arsenic		10	10	10	10	--	0.210 U	--	0.210 U	--	0.320 J	0.0741 U	0.0741 U
Barium		2000	220	2000	2000	--	1.80 J	--	1.80 J	--	2.00	2.18	2.13
Beryllium		4	0.66	4	4	--	0.0910 U	--	0.0910 U	--	0.0910 U	0.0624 U	0.0624 U
Cadmium		5	3	5	5	--	0.0290 U	--	0.0290 U	--	0.0290 U	0.0416 U	0.0416 U
Chromium		100	11	100	100	--	1.30	--	0.830 J	--	1.10	1.38	1.36
Copper		1300	2.9	1300	1300	--	5.70	--	2.60	--	4.00	2.95	1.26
Lead		15	5.6	15	15	--	0.540	--	0.740	--	0.540	0.378	0.147 J
Mercury		2	0.025	2	2	--	0.0200 U	--	0.0200 U	--	0.0200 U	--	--
Nickel		None	None	None	None	--	--	--	--	--	--	0.163 U	--
Selenium		50	5	50	50	--	1.00 J	--	0.810 J	--	1.40 J	0.0666 U	0.0666 U

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:										
Field Sample ID:	D2-HYD429	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD56	D2-HYD79	
	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	
	FH:429	FH:551	FH:551	FH:551	FH:551	FH:551	FH:551	FH:056	FH:079	
	20220104-D2-ZT08	20220114-D2-WT08	20220114-D2-WT07	20220114-D2-WT08	220114-D2-WT07	20220114-D2-YT05	220114-D2-YT05	220114-D2-YT05	20220114-D2-XT02	
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	
Sample Type:	N	N	FD	FD	N	N	FD	N	N	

GENCHEM (mg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: DA40923 D2 ONLY	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis
Total Organic Carbon		2	None	None	None	--	2.65 J	0.200 UJ	--	--	0.200 UJ	--	0.200 UJ
HC (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis
Petroleum Hydrocarbons (as Diesel)		200	400	None	None	--	--	--	91.0 U	93.0 U	--	89.0 U	--
Petroleum Hydrocarbons (as Gasoline)		200	300	None	None	--	--	--	100 U	100 U	--	100 U	--
Petroleum Hydrocarbons (as Motor Oil)		200	500	None	None	--	--	--	180 U	190 U	--	180 U	--
Total Petroleum Hydrocarbons		211				--	--	--	--	--	--	--	--
HERB (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: 980823	SDG: 980823	SDG: C22A020 rev1-Dis	SDG: 980859	SDG: C22A020 rev1-Dis
Pentachlorophenol		None	None	None	None	--	--	--	0.0200 U	0.0200 U	--	0.0200 U	--
HG (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis
Mercury		2	0.025	2	2	--	--	--	--	--	--	--	--
METAL (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: 980823	SDG: 980823	SDG: C22A020 rev1-Dis	SDG: 980859	SDG: C22A020 rev1-Dis
Antimony		6	6	6	6	--	--	--	0.110 U	0.110 U	--	0.110 U	--
Arsenic		10	10	10	10	--	--	--	0.450 J	0.370 J	--	0.420 J	--
Barium		2000	220	2000	2000	--	--	--	2.00	1.90 J	--	2.80	--
Beryllium		4	0.66	4	4	--	--	--	0.0910 U	0.0910 U	--	0.0910 U	--
Cadmium		5	3	5	5	--	--	--	0.0290 U	0.0290 U	--	0.0290 U	--
Chromium		100	11	100	100	--	--	--	1.60	1.60	--	1.10	--
Copper		1300	2.9	1300	1300	--	--	--	2.30	4.20	--	2.40	--
Lead		15	5.6	15	15	--	--	--	0.500	1.00	--	0.730	--
Mercury		2	0.025	2	2	--	--	--	0.0200 U	0.0200 U	--	0.0200 U	--
Nickel		None	None	None	None	--	--	--	--	--	--	--	--
Selenium		50	5	50	50	--	--	--	1.30 J	1.30 J	--	1.80 J	--

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HYD79	D2-HYD84	D2-HYD84
Location Type:	Hydrant	Hydrant	Hydrant
Residence:	FH:079	FH:084	FH:084
Field Sample ID:	220114-D2-XT02	20220114-D2-XT03	220114-D2-XT03
Sample Date:	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N

GENCHEM (mg/L)		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY
Total Organic Carbon	2	None	None	None	--	1.92 J	--
HC (µg/L)		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093282	SDG: C22A020 rev1-Dis	SDG: 5801093282
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	92.0 U	--	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	31.0 U	--	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	180 U	--	180 U
Total Petroleum Hydrocarbons	211				--	--	--
HERB (µg/L)		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 980853	SDG: C22A020 rev1-Dis	SDG: 980853
Pentachlorophenol	None	None	None	None	0.0200 U	--	0.0200 U
HG (µg/L)		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY
Mercury	2	0.025	2	2	--	--	--
METAL (µg/L)		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 980853	SDG: C22A020 rev1-Dis	SDG: 980853
Antimony	6	6	6	6	0.110 U	--	0.110 U
Arsenic	10	10	10	10	0.210 U	--	0.390 J
Barium	2000	220	2000	2000	4.30	--	1.80 J
Beryllium	4	0.66	4	4	0.0910 U	--	0.0910 U
Cadmium	5	3	5	5	0.0290 U	--	0.0290 U
Chromium	100	11	100	100	1.20	--	1.10
Copper	1300	2.9	1300	1300	1.80 J	--	1.80 J
Lead	15	5.6	15	15	0.540	--	0.150 J
Mercury	2	0.025	2	2	0.0200 U	--	0.0200 U
Nickel	None	None	None	None	--	--	--
Selenium	50	5	50	50	0.620 J	--	1.20 J

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-HYD0079		D2-HYD0079		D2-HYD0498		D2-HYD0498		D2-HYD219		D2-HYD219		D2-HYD236	
Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
Residence:		FH:519		FH:519		FH:509		FH:509		FH:219		FH:236		FH:236	
Field Sample ID:		20220114-D2-WT03		201114-D2-WT03		20220114-D2-WT04		201114-D2-WT04		20220114-D2-VT03		220114-D2-VT03		20220114-D2-WT01	
Sample Date:		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14	
Sample Type:		N		N		N		N		N		N		N	

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Dis	SDG: 980851	SDG: C22A020 rev1-Dis	SDG: 980854	SDG: C22A020 rev1-Dis	SDG: 980861
		2	2	2	2	2	2						
Thallium								--	0.0410 U	--	0.0410 U	--	0.0410 U

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Dis	SDG: 810122621_1	SDG: C22A020 rev1-Dis	SDG: 810122621_1	SDG: C22A020 rev1-Dis	SDG: 810122621_1
		10	10	None	0.2	0.2	0.2						
1-Methylnaphthalene								--	0.0190 U	--	0.0190 U	--	0.0190 U
2-Methylnaphthalene								--	0.0190 U	--	0.0190 U	--	0.0190 U
Alachlor								--	0.0490 U	--	0.0480 U	--	0.0480 U
Atrazine								--	0.0290 U	--	0.0290 U	--	0.0290 U
Benzo(a)pyrene								--	0.00970 U	--	0.00960 U	--	0.00970 U
Bis(2-ethylhexyl)phthalate								--	0.580 U	--	0.580 U	--	0.580 U
Chlordane								--	0.0320 U	--	0.0320 U	--	0.0320 U
Diocyl adipate								--	0.580 U	--	0.580 U	--	0.580 U
Endrin								--	0.00500 U	--	0.00500 U	--	0.00500 U
gamma-BHC (Lindane)								--	0.00700 U	--	0.00700 U	--	0.00700 U
Heptachlor								--	0.00300 U	--	0.00300 U	--	0.00300 U
Heptachlor epoxide								--	0.00500 U	--	0.00500 U	--	0.00500 U
Hexachlorobenzene								--	0.00970 U	--	0.00960 U	--	0.00970 U
Hexachlorocyclopentadiene								--	0.00970 U	--	0.00960 U	--	0.00970 U
Methoxychlor								--	0.0320 U	--	0.0320 U	--	0.0320 U
Naphthalene								--	0.0190 U	--	0.0190 U	--	0.0190 U
PCB, Total								--	--	--	--	--	--
PCB-1016 (Aroclor 1016)								--	0.0220 U	--	0.0220 U	--	0.0220 U
PCB-1221 (Aroclor 1221)								--	0.0790 U	--	0.0790 U	--	0.0790 U
PCB-1232 (Aroclor 1232)								--	0.0850 U	--	0.0850 U	--	0.0850 U
PCB-1242 (Aroclor 1242)								--	0.0720 U	--	0.0720 U	--	0.0720 U
PCB-1248 (Aroclor 1248)								--	0.0230 U	--	0.0230 U	--	0.0230 U
PCB-1254 (Aroclor 1254)								--	0.0350 U	--	0.0350 U	--	0.0350 U
PCB-1260 (Aroclor 1260)								--	0.0330 U	--	0.0330 U	--	0.0330 U
Simazine								--	0.0290 U	--	0.0290 U	--	0.0290 U

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-HYD321		D2-HYD321		D2-HYD365		D2-HYD365		D2-HYD420		D2-HYD420		D2-HYD429	
Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
Residence:		FH:321		FH:321		FH:365		FH:365		FH:420		FH:429		FH:429	
Field Sample ID:		20220114-D2-VT01		201114-D2-VT01		20220114-D2-VT01		20220114-D2-VT01		20220114-D2-VT01		20220114-D2-VT01		20220104-D2-ZT08	
Sample Date:		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-01		2022-01-04	
Sample Type:		N		N		N		N		N		N		N	

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels	
Incident Specific Parameters	Groundwater Action Levels	2	2	2	2	2	2
METAL (µg/L)							
Thallium							

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels	
Incident Specific Parameters	Groundwater Action Levels	10	10	None	None	None	None
SVOC (µg/L)							
1-Methylnaphthalene							

2-Methylnaphthalene							
Alachlor							
Atrazine							
Benzo(a)pyrene							
Bis(2-ethylhexyl)phthalate							
Chlordane							
Diocyl adipate							
Endrin							
gamma-BHC (Lindane)							
Heptachlor							
Heptachlor epoxide							
Hexachlorobenzene							
Hexachlorocyclopentadiene							
Methoxychlor							
Naphthalene							
PCB, Total							
PCB-1016 (Aroclor 1016)							
PCB-1221 (Aroclor 1221)							
PCB-1232 (Aroclor 1232)							
PCB-1242 (Aroclor 1242)							
PCB-1248 (Aroclor 1248)							
PCB-1254 (Aroclor 1254)							
PCB-1260 (Aroclor 1260)							
Simazine							

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-HYD429		D2-HYD551		D2-HYD551		D2-HYD551		D2-HYD56		D2-HYD56		D2-HYD79	
Location Type:		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant		Hydrant	
Residence:		FH:429		FH:551		FH:551		FH:551		FH:056		FH:079			
Field Sample ID:		20220104-D2-ZT08		20220114-D2-WT07		20220114-D2-WT08		220114-D2-WT07		20220114-D2-YT05		220114-D2-YT05		20220114-D2-XT02	
Sample Date:		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14		2022-01-14	
Sample Type:		N		N		FD		N		N		N		N	

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: 980823	SDG: 980823	SDG: C22A020 rev1-Dis	SDG: 980859	SDG: C22A020 rev1-Dis
METAL (µg/L)	2	2	2	2	2	--	--	0.0410 U	0.0410 U	--	0.0410 U	--
Thallium												

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 2A06017 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: 810122621_1	SDG: 810122621_1	SDG: C22A020 rev1-Dis	SDG: 810122621_1	SDG: C22A020 rev1-Dis
SVOC (µg/L)	10	10	None	None	--	--	--	0.0190 U	0.0190 U	--	0.0190 U	--
1-Methylnaphthalene												
2-Methylnaphthalene												
Alachlor												
Atrazine												
Benzo(a)pyrene												
Bis(2-ethylhexyl)phthalate												
Chlordane												
Diocyl adipate												
Endrin												
gamma-BHC (Lindane)												
Heptachlor												
Heptachlor epoxide												
Hexachlorobenzene												
Hexachlorocyclopentadiene												
Methoxychlor												
Naphthalene												
PCB, Total												
PCB-1016 (Aroclor 1016)												
PCB-1221 (Aroclor 1221)												
PCB-1232 (Aroclor 1232)												
PCB-1242 (Aroclor 1242)												
PCB-1248 (Aroclor 1248)												
PCB-1254 (Aroclor 1254)												
PCB-1260 (Aroclor 1260)												
Simazine												

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HYD79	D2-HYD84	D2-HYD84
Location Type:	Hydrant	Hydrant	Hydrant
Residence:	FH:079	FH:084	FH:084
Field Sample ID:	220114-D2-XT02	20220114-D2-XT03	220114-D2-XT03
Sample Date:	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 980853	SDG: C22A020 rev1-Dis	SDG: 980853
METAL (µg/L)	2	2	2	2	0.0410 U	--	0.0410 U
Thallium							

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810122621_1	SDG: C22A020 rev1-Dis	SDG: 810122621_1
SVOC (µg/L)	10	10	None	None	0.0190 U	--	0.0190 U
1-Methylnaphthalene							
2-Methylnaphthalene	10	10	None	None	0.0190 U	--	0.0190 U
Alachlor	None	None	None	None	0.0480 U	--	0.0480 U
Atrazine	None	None	None	None	0.0290 U	--	0.0290 U
Benzo(a)pyrene	0.2	0.06	0.2	0.2	0.00960 U	--	0.0200
Bis(2-ethylhexyl)phthalate	6	3	6	6	0.580 U	--	0.580 U
Chlordane	None	None	None	None	0.0320 U	--	0.0320 U
Diocyl adipate	None	None	None	None	0.580 U	--	0.580 U
Endrin	None	None	None	None	0.00500 U	--	0.00500 U
gamma-BHC (Lindane)	None	None	None	None	0.00700 U	--	0.00700 U
Heptachlor	None	None	None	None	0.00300 U	--	0.00300 U
Heptachlor epoxide	None	None	None	None	0.00500 U	--	0.00500 U
Hexachlorobenzene	0.0003	0.0003	1	1	0.00960 U	--	0.00960 U
Hexachlorocyclopentadiene	50	None	50	50	0.00960 U	--	0.00960 U
Methoxychlor	None	None	None	None	0.0320 U	--	0.0320 U
Naphthalene	17	17	None	None	0.0190 U	--	0.0190 U
PCB, Total	None	None	None	None	--	--	--
PCB-1016 (Aroclor 1016)	None	None	None	None	0.0220 U	--	0.0220 U
PCB-1221 (Aroclor 1221)	None	None	None	None	0.0790 U	--	0.0790 U
PCB-1232 (Aroclor 1232)	None	None	None	None	0.0850 U	--	0.0850 U
PCB-1242 (Aroclor 1242)	None	None	None	None	0.0720 U	--	0.0720 U
PCB-1248 (Aroclor 1248)	None	None	None	None	0.0230 U	--	0.0230 U
PCB-1254 (Aroclor 1254)	None	None	None	None	0.0350 U	--	0.0350 U
PCB-1260 (Aroclor 1260)	None	None	None	None	0.0330 U	--	0.0330 U
Simazine	None	None	None	None	0.0290 U	--	0.0290 U

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-HYD0079	D2-HYD0079	D2-HYD0498	D2-HYD0498	D2-HYD0498	D2-HYD219	D2-HYD219	D2-HYD236	D2-HYD236	D2-HYD236
Residence:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Field Sample ID:	FH:519	FH:519	FH:509	FH:509	FH:509	FH:219	FH:219	FH:236	FH:236	FH:236
Sample Date:	20220114-D2-WT03	2020114-D2-WT03	2020114-D2-WT04	2020114-D2-WT04	2020114-D2-WT04	2020114-D2-VT03	2020114-D2-VT03	2020114-D2-WT01	2020114-D2-WT01	2020114-D2-WT01
Sample Type:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14
	N	N	N	N	N	N	N	N	N	N

		DOH		DOH Safe		Environmental		Environmental			
		Action Levels		Drinking Water		Agency		Protection			
		Table D-1A		Branch (SDWB)		Maximum					
		Groundwater		Regulatory		Contaminant					
		Action Levels		Constituents		Levels					
Incident Parameters	Specific Parameters										
VOC (µg/L)		200	11	200	200	200	200				
1,1,1-Trichloroethane											
1,1,2-Trichloroethane											
1,1-Dichloroethene											
1,2,4-Trichlorobenzene											
1,2-Dichlorobenzene											
1,2-Dichloroethane											
1,2-Dichloropropane											
1,4-Dichlorobenzene											
Benzene											
Carbon Tetrachloride											
Chlorobenzene											
cis-1,2-Dichloroethene											
Ethylbenzene											
m,p-Xylene											
Methylene chloride											
o-Xylene											
Styrene											
Tetrachloroethene (PCE)											
Toluene											
trans-1,2-Dichloroethene											
Trichloroethene (TCE)											
Vinyl chloride											
Xylenes, Total											

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH/MCL
Results in blue font also exceed the EPA /MCL
Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

µg/L = Micrograms per Liter

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HYD321	D2-HYD321	D2-HYD365	D2-HYD420	D2-HYD420	D2-HYD429	D2-HYD429
Location Type:	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
Residence:	FH:321	FH:321	FH:365	FH:420	FH:429	FH:429	FH:429
Field Sample ID:	20220114-D2-VT01	201114-D2-VT01	20220114-D2-XT01	20220114-D2-WT02	220114-D2-WT02	D2-DWS-D2-429-010122-N	20220104-D2-ZT08
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-01	2022-01-04
Sample Type:	N	N	N	N	N	N	N

		DOH		Environmental Protection Agency		Environmental Protection Agency	
Incident Specific Parameters		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Maximum Contaminant Levels	SDG: DA40923 D2 ONLY		SDG: DA40923 D2 ONLY
VOC (µg/L)		Action Levels			SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A002
1,1,1-Trichloroethane	200	11	200	200	--	0.500 U	0.218 U
1,1,2-Trichloroethane	5	5	3	5	--	0.500 U	0.335 U
1,1-Dichloroethene	7	7	7	7	--	0.500 U	0.300 U
1,2,4-Trichlorobenzene	70	70	70	70	--	0.500 U	0.493 U
1,2-Dichlorobenzene	600	10	600	600	--	0.500 U	0.417 U
1,2-Dichloroethane	5	5	5	5	--	0.500 U	0.272 U
1,2-Dichloropropane	5	5	5	5	--	0.500 U	0.341 U
1,4-Dichlorobenzene	75	5	75	None	--	0.500 U	0.409 U
Benzene	5	5	5	5	--	0.500 U	0.245 U
Carbon Tetrachloride	5	5	5	5	--	0.500 U	0.297 U
Chlorobenzene	100	25	100	100	--	0.500 U	0.310 U
cis-1,2-Dichloroethene	70	70	70	70	--	0.500 U	0.532 U
Ethylbenzene	700	7.3	700	700	--	0.500 U	0.384 U
m,p-Xylene	10000	13	None	None	--	0.500 U	0.548 U
Methylene chloride	5	5	5	5	--	0.500 U	0.661 U
o-Xylene	10000	13	None	None	--	0.500 U	0.272 U
Styrene	100	10	100	100	--	0.500 U	0.322 U
Tetrachloroethene (PCE)	5	5	5	5	--	0.500 U	0.261 U
Toluene	1000	9.8	1000	1000	--	0.500 U	0.278 U
trans-1,2-Dichloroethene	100	100	100	100	--	0.500 U	0.236 U
Trichloroethene (TCE)	5	5	5	5	--	0.500 U	0.240 U
Vinyl chloride	2	2	2	2	--	0.500 U	0.480 U
Xylenes, Total	10000	13	10000	10000	--	--	0.817 U

Section 2a.6 Distribution System Exceedance Investigation Summary and Results

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:										
Residence:	D2-HYD429	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD551	D2-HYD56	D2-HYD56	D2-HYD79
	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant	Hydrant
	FH:429	FH:551	FH:551	FH:551	FH:551	FH:551	FH:551	FH:056	FH:056	FH:079
Field Sample ID:	20220104-D2-ZT08	20220114-D2-WT08	20220114-D2-WT07	20220114-D2-WT08	20220114-D2-WT07	220114-D2-WT07	220114-D2-WT08	20220114-D2-YT05	220114-D2-YT05	20220114-D2-XT02
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N	FD	FD	N	FD	N	N	N

		DOH		Environmental Protection Agency		Environmental Protection Agency							
		Incident Specific Parameters		Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Maximum Contaminant Levels		SDG: 2A06017 D2 ONLY		SDG: C22A020 rev1-Dis	
VOC (µg/L)		200	11	200	200	200	200	200	200	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis
1,1,1-Trichloroethane		5	5	3	3	5	5	5	5	0.500 U	--	0.500 U	--
1,1,2-Trichloroethane		7	7	7	7	7	7	7	7	0.500 U	--	0.500 U	--
1,2,4-Trichlorobenzene		600	70	70	70	70	70	70	70	0.500 U	--	0.500 U	--
1,2-Dichlorobenzene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
1,2-Dichloroethane		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
1,2-Dichloropropane		75	5	75	75	None	None	None	None	0.500 U	--	0.500 U	--
Benzene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
Carbon Tetrachloride		100	25	100	100	100	100	100	100	0.500 U	--	0.500 U	--
Chlorobenzene		70	70	70	70	70	70	70	70	0.500 U	--	0.500 U	--
cis-1,2-Dichloroethene		700	7.3	700	700	700	700	700	700	0.500 U	--	0.500 U	--
Ethylbenzene		10000	13	None	None	None	None	None	None	0.500 U	--	0.500 U	--
m,p-Xylene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
Methylene chloride		10000	10	100	100	100	100	100	100	0.500 U	--	0.500 U	--
o-Xylene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
Styrene		1000	9.8	1000	1000	1000	1000	1000	1000	0.500 U	--	0.500 U	--
Tetrachloroethene (PCE)		100	100	100	100	100	100	100	100	0.500 U	--	0.500 U	--
Toluene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
trans-1,2-Dichloroethene		5	5	5	5	5	5	5	5	0.500 U	--	0.500 U	--
Trichloroethene (TCE)		2	2	2	2	2	2	2	2	0.500 U	--	0.500 U	--
Vinyl chloride		10000	13	10000	10000	10000	10000	10000	10000	0.500 U	--	0.500 U	--
Xylenes, Total										--	--	--	--

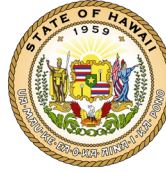
Section 2a.6 Distribution System Exceedance Investigation Summary and Results

D2 Zone Distribution Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HYD79	D2-HYD84	D2-HYD84
Location Type:	Hydrant	Hydrant	Hydrant
Residence:	FH:079	FH:084	FH:084
Field Sample ID:	220114-D2-XT02	20220114-D2-XT03	220114-D2-XT03
Sample Date:	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40923 D2 ONLY	SDG: C22A020 rev1-Dis	SDG: DA40923 D2 ONLY
VOC (µg/L)		Action Levels					
1,1,1-Trichloroethane	200	11	200	200	0.500 U	--	0.500 U
1,1,2-Trichloroethane	5	5	3	5	0.500 U	--	0.500 U
1,1-Dichloroethene	7	7	7	7	0.500 U	--	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.500 U	--	0.500 U
1,2-Dichlorobenzene	600	10	600	600	0.500 U	--	0.500 U
1,2-Dichloroethane	5	5	5	5	0.500 U	--	0.500 U
1,2-Dichloropropane	5	5	5	5	0.500 U	--	0.500 U
1,4-Dichlorobenzene	75	5	75	None	0.500 U	--	0.500 U
Benzene	5	5	5	5	0.500 U	--	0.500 U
Carbon Tetrachloride	5	5	5	5	0.500 U	--	0.500 U
Chlorobenzene	100	25	100	100	0.500 U	--	0.500 U
cis-1,2-Dichloroethene	70	70	70	70	0.500 U	--	0.500 U
Ethylbenzene	700	7.3	700	700	0.500 U	--	0.500 U
m,p-Xylene	10000	13	None	None	0.500 U	--	0.500 U
Methylene chloride	5	5	5	5	0.500 U	--	0.500 U
o-Xylene	10000	13	None	None	0.500 U	--	0.500 U
Styrene	100	10	100	100	0.500 U	--	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	0.500 U	--	0.500 U
Toluene	1000	9.8	1000	1000	0.500 U	--	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	0.500 U	--	0.500 U
Trichloroethene (TCE)	5	5	5	5	0.500 U	--	0.500 U
Vinyl chloride	2	2	2	2	0.500 U	--	0.500 U
Xylenes, Total	10000	13	10000	10000	--	--	--

Section 2a.6 Distribution System Exceedance Investigation Summary and Results



Interagency Drinking Water System Team
Zone D2 Removal Action Report
March 2022

Line of Evidence 2b

Water in Premise Plumbing of Homes/Buildings does not exceed State and Federal Drinking Water MCLs, specified State EALs, and ISPs

Table 1: Lines of Evidence Under Evaluation – Ensure no contamination remains in the system and water chemistry concerns are addressed.

Objective 2b - Water in premise plumbing of homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Incident Specific Criteria –

- Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.
- Sample Plan includes 72-hour stagnation to account for leaching of contaminants from premise plumbing.
- Sample results show water in homes/buildings does not exceed State and Federal DW MCLs, specified State EALs, and ISPs.

Lines of Evidence	Completion Status	Outstanding Items
Flushing Plan includes procedures to ensure no service connections will re-contaminate the distribution system.	Complete	<ul style="list-style-type: none"> • None.

February 20, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: SUMMARY OF LINE OF EVIDENCE OBJECTIVE 2B – WATER IN PREMISE OF PLUMBING OF HOMES/BUILDINGS DOES NOT EXCEED STATE AND FEDERAL DW MCLs, SPECIFIED STATE EALs, AND ISPs

Encl: (1) 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing
(2) 2b.2 Residential Sampling Report for Flushing Zone
(3) 2b.3 Exceedance Investigation Summary and Resample Results
(4) 2b.4 Certification of Completed Irrigation Flushing
(5) 2b.5 DOH Guidance for Active Irrigation Line Purging and Flushing

1. Enclosures (1) through (5) document completion of Line of Evidence 2b, that water in premise of plumbing of homes/buildings does not exceed State of Hawaii and Federal Drinking Water standards, Maximum Contaminate Levels, Environmental Action Levels and Incident Specific Parameters. On the evening of November 28, 2021, the Red Hill Shaft was secured from operation and all pumping operations ceased. The Aiea/Halawa shaft briefly served as the secondary source starting on November 28, 2021, but it was shut down on December 3, 2021 to prevent potential westward contaminant migration in the aquifer and because there were concerns over high chloride concentrations caused by saltwater intrusion. Since December 3, 2021, the Waiawa Shaft has been the sole water source providing potable water to the Joint Base Pearl Harbor-Hickam (JBPHH) distribution network. Zone D2 is part of the JBPHH Drinking Water system that is operated and maintained by the United States Navy. Flushing operations are summarized in Enclosure (1), signed by CDR Trevor Bingham, team lead for the Drinking Water Residential and Non-residential Recovery Team.

2. Enclosure (1) documents the flushing records for all facilities within Zone D2, as well as pressure logs for the distribution system during facility flushing operations. The completion of irrigation flushing in Zone D2, described in Enclosure (5), is documented in Enclosure (4). Sampling data collected after flushing is summarized in Enclosure (2).

3. Sample results with analyte detections exceeding the prescribed Maximum Contaminant Level (MCL), Environmental Action Level (EAL), or Incident Specific Parameter (ISP) are documented in Enclosure (3). The follow-on investigation summary and additional sampling results are also documented in Enclosure (3).

4. This information documents completion of Line of Evidence 2b, that water in premise of plumbing of homes/buildings does not exceed State of Hawaii and Federal Drinking Water standards, MCLs, EALs, or ISPs.

5. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and I believe the submitted information is true, accurate, and complete.

WETZEL.CHRISTOPHE
R.JAMES.1540194862
C. J. Wetzel
LT, CEC, USN

Digitally signed by
WETZEL.CHRISTOPHER.JAMES.1
540194862
Date: 2022.02.20 13:54:53 -08'00'

28 February 2022

MEMORANDUM

From: Naval Facilities Engineering Systems Command Representative, EWG Team
To: Interagency Drinking Water System Team

Subj: RECORDS OF COMPLETED RESIDENTIAL AND NON-RESIDENTIAL FLUSHING
ZONE D2

Ref: (a) Single Family Home Flushing Plan Checklist and Standard Operating Procedures,
December 2021
(b) Non-Residential Flushing Plan, January 2022

Encl: (1) EDMS Residential Flushing Records Zone D2
(2) EDMS Non-Residential Flushing Records Zone D2
(3) JBPHH System Pressure SCADA Data

1. This memo documents the completion of residential and non-residential flushing in Zone D2. The completed records of residential flushing, as shown in Enclosure (1), document the flushing of 1564/1577 homes in EDMS. 13 homes are condemned. The completed records of non-residential flushing, as shown in Enclosure (2), document the flushing of all 193 facilities in EDMS.
2. Meter 6780, located on Porter Avenue, and meter 9050, located near Bishop Point, document that the distribution system maintained a pressure of at least 30 psi for the duration of residential and non-residential flushing, as shown in Enclosure (3).
3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted, and the submitted information is true, accurate, and complete.

Very respectfully,

BINGHAM.TREVOR.A
MMON.1131940048

Digitally signed by
BINGHAM.TREVOR.AMMON.1131
940048
Date: 2022.03.01 11:18:56 -10'00'

T. A. BINGHAM
CDR, CEC, USN

Flushing Zone D2

2022-01-09 - 2022-01-15

Total Homes	Percent Complete	No Access	Flushed on Selected Dates
1577	100.0 %	13	1564

Zone	Address	Arrive Date	Start Time	Finish Time	Certified	Summary General Notes	Unable To Access	Access Reason
Flushing Zone D2	201 10th Street (D2-10TH0201)	10-Jan-22	08:02	11:01	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	202 10th Street (D2-10TH0202)	11-Jan-22	08:15	11:00	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	203 10th Street (D2-10TH0203)	11-Jan-22	10:00	13:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	204 10th Street (D2-10TH0204)	11-Jan-22	08:40	13:55	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	206 10th Street (D2-10TH0206)	11-Jan-22	10:00	11:04	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	207 10th Street (D2-10TH0207)	11-Jan-22	13:00	15:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	208 10th Street (D2-10TH0208)	11-Jan-22	08:51	10:31	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	209 10th Street (D2-10TH0209)	11-Jan-22	10:00	13:27	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	210 10th Street (D2-10TH0210)	11-Jan-22	08:44	10:33	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	211 10th Street (D2-10TH0211)	11-Jan-22	12:20	13:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 10th Street (D2-10TH0212)	11-Jan-22	08:10	10:35	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	213 10th Street (D2-10TH0213)	11-Jan-22	11:24	15:41	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	102 11th Street (D2-11TH0102)	09-Jan-22	10:12	10:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	104 11th Street (D2-11TH0104)	09-Jan-22	10:00	17:35	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	106 11th Street (D2-11TH0106)	09-Jan-22	00:00	17:36	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	108 11th Street (D2-11TH0108)	09-Jan-22	10:00	17:37	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	110 11th Street (D2-11TH0110)	09-Jan-22	11:00	17:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	118 11th Street (D2-11TH0118)	09-Jan-22	10:12	17:41	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	120 11th Street (D2-11TH0120)	09-Jan-22	10:00	17:41	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	122 11th Street (D2-11TH0122)	09-Jan-22	10:00	11:47	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	124 11th Street (D2-11TH0124)	09-Jan-22	10:00	11:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	201 11th Street (D2-11TH0201)	11-Jan-22	08:27	09:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	202 11th Street (D2-11TH0202)	11-Jan-22	10:00	11:56	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	203 11th Street (D2-11TH0203)	11-Jan-22	08:36	10:12	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	204 11th Street (D2-11TH0204)	11-Jan-22	10:12	12:10	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	205 11th Street (D2-11TH0205)	11-Jan-22	10:12	11:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	206 11th Street (D2-11TH0206)	11-Jan-22	12:26	13:57	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	208 11th Street (D2-11TH0208)	11-Jan-22	00:45	14:14	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	209 11th Street (D2-11TH0209)	11-Jan-22	10:43	12:27	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	210 11th Street (D2-11TH0210)	11-Jan-22	02:30	16:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	211 11th Street (D2-11TH0211)	11-Jan-22	13:28	15:22	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	301 11th Street (D2-11TH0301)	11-Jan-22	15:39	17:39	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 11th Street (D2-11TH212A)	11-Jan-22	08:00	09:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 11th Street (D2-11TH212B)	11-Jan-22	09:55	12:03	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	101 12th Street (D2-12TH0101)	09-Jan-22	10:00	17:43	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	103 12th Street (D2-12TH0103)	09-Jan-22	16:00	17:44	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	104 12th Street (D2-12TH0104)	09-Jan-22	12:00	17:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	105 12th Street (D2-12TH0105)	09-Jan-22	13:00	17:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	107 12th Street (D2-12TH0107)	09-Jan-22	16:00	17:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	109 12th Street (D2-12TH0109)	09-Jan-22	16:00	17:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	202 12th Street (D2-12TH0202)	09-Jan-22	10:20	12:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	204 12th Street (D2-12TH0204)	09-Jan-22	10:20	13:13	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	206 12th Street (D2-12TH0206)	09-Jan-22	10:45	12:43	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	208 12th Street (D2-12TH0208)	09-Jan-22	10:20	11:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 12th Street (D2-12TH212A)	09-Jan-22	10:00	11:37	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 12th Street (D2-12TH212B)	09-Jan-22	10:00	11:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 12th Street (D2-12TH212C)	09-Jan-22	10:19	11:52	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 12th Street (D2-12TH212D)	09-Jan-22	10:50	11:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	212 12th Street (D2-12TH212E)	09-Jan-22	11:27	12:23	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	201 13th Street (D2-13TH0201)	09-Jan-22	10:25	11:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	202 13th Street (D2-13TH0202)	09-Jan-22	10:10	13:36	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	203 13th Street (D2-13TH0203)	09-Jan-22	10:40	12:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	204 13th Street (D2-13TH0204)	09-Jan-22	10:20	11:53	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	205 13th Street (D2-13TH0205)	09-Jan-22	10:20	11:57	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	206 13th Street (D2-13TH0206)	09-Jan-22	10:50	12:07	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	207 13th Street (D2-13TH0207)	09-Jan-22	11:11	13:27	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	208 13th Street (D2-13TH0208)	09-Jan-22	10:04	11:19	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	209 13th Street (D2-13TH0209)	09-Jan-22	10:10	12:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	210 13th Street (D2-13TH0210)	11-Jan-22	15:00	17:37	✓	□	
Flushing Zone D2	214 13th Street (D2-13TH0214)	09-Jan-22	10:14	13:20	✓	□	
Flushing Zone D2	211A 13th Street (D2-13TH211A)	09-Jan-22	10:00	12:15	✓	□	
Flushing Zone D2	211B 13th Street (D2-13TH211B)	09-Jan-22	10:02	13:12	✓	□	
Flushing Zone D2	211C 13th Street (D2-13TH211C)	09-Jan-22	11:45	13:10	✓	□	
Flushing Zone D2	211D 13th Street (D2-13TH211D)	09-Jan-22	11:20	12:17	✓	□	
Flushing Zone D2	211E 13th Street (D2-13TH211E)	09-Jan-22	11:26	13:11	✓	□	
Flushing Zone D2	212A 13th Street (D2-13TH212A)	09-Jan-22	10:10	13:30	✓	□	
Flushing Zone D2	212B 13th Street (D2-13TH212B)	09-Jan-22	10:30	13:28	✓	□	
Flushing Zone D2	212C 13th Street (D2-13TH212C)	09-Jan-22	10:23	17:14	✓	□	
Flushing Zone D2	212D 13th Street (D2-13TH212D)	09-Jan-22	11:34	13:32	✓	□	
Flushing Zone D2	212E 13th Street (D2-13TH212E)	09-Jan-22	10:03	13:35	✓	□	
Flushing Zone D2	202 14th Street (D2-14TH0202)	09-Jan-22	13:25	15:08	✓	□	
Flushing Zone D2	204 14th Street (D2-14TH0204)	09-Jan-22	11:00	09:09	✓	□	
Flushing Zone D2	205 14th Street (D2-14TH0205)	09-Jan-22	11:00	09:10	✓	□	
Flushing Zone D2	206 14th Street (D2-14TH0206)	09-Jan-22	12:40	13:40	✓	□	
Flushing Zone D2	207 14th Street (D2-14TH0207)	09-Jan-22	13:20	15:39	✓	□	
Flushing Zone D2	208 14th Street (D2-14TH0208)	09-Jan-22	12:00	09:11	✓	□	
Flushing Zone D2	209 14th Street (D2-14TH0209)	09-Jan-22	13:20	15:43	✓	□	
Flushing Zone D2	210 14th Street (D2-14TH0210)	09-Jan-22	12:40	14:39	✓	□	
Flushing Zone D2	211 14th Street (D2-14TH0211)	09-Jan-22	14:00	09:13	✓	□	
Flushing Zone D2	201 14th Street (D2-14TH201A)	09-Jan-22	10:40	11:47	✓	□	
Flushing Zone D2	201 14th Street (D2-14TH201B)	09-Jan-22	11:00	12:18	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203A)	09-Jan-22	13:47	16:47	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203B)	11-Jan-22	15:39	16:47	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203C)	11-Jan-22	15:38	16:43	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203D)	11-Jan-22	16:00	16:50	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203E)	11-Jan-22	14:26	16:47	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203F)	11-Jan-22	15:48	16:50	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203G)	11-Jan-22	16:00	16:55	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203H)	11-Jan-22	15:37	16:45	✓	□	
Flushing Zone D2	203 14th Street (D2-14TH203I)	11-Jan-22	16:26	16:45	✓	□	
Flushing Zone D2	212 14th Street (D2-14TH212A)	09-Jan-22	13:57	11:38	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212B)	09-Jan-22	13:57	11:39	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212C)	09-Jan-22	13:57	11:39	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212D)	09-Jan-22	10:42	11:39	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212E)	09-Jan-22	10:03	11:39	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212F)	09-Jan-22	14:00	11:40	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212G)	09-Jan-22	14:00	11:40	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212H)	09-Jan-22	14:00	11:40	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	212 14th Street (D2-14TH212I)	09-Jan-22	14:00	11:40	✓	✓	Reason(s) Selected: Other Building is condemned and abandoned.
Flushing Zone D2	201 15th Street (D2-15TH0201)	09-Jan-22	14:00	14:50	✓	□	
Flushing Zone D2	202 15th Street (D2-15TH0202)	09-Jan-22	13:00	16:13	✓	□	
Flushing Zone D2	204 15th Street (D2-15TH0204)	09-Jan-22	13:12	14:35	✓	□	
Flushing Zone D2	205 15th Street (D2-15TH0205)	09-Jan-22	14:35	16:25	✓	□	
Flushing Zone D2	206 15th Street (D2-15TH0206)	09-Jan-22	13:00	09:08	✓	□	
Flushing Zone D2	207 15th Street (D2-15TH0207)	09-Jan-22	15:00	16:21	✓	□	
Flushing Zone D2	208 15th Street (D2-15TH0208)	09-Jan-22	13:30	15:07	✓	□	
Flushing Zone D2	209 15th Street (D2-15TH0209)	09-Jan-22	14:20	16:43	✓	□	
Flushing Zone D2	210 15th Street (D2-15TH0210)	09-Jan-22	13:30	15:04	✓	□	
Flushing Zone D2	211 15th Street (D2-15TH0211)	09-Jan-22	13:55	14:55	✓	□	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	214 15th Street (D2-15TH0214)	09-Jan-22	13:40	14:58	<input checked="" type="checkbox"/>	
Flushing Zone D2	203A 15th Street (D2-15TH203A)	09-Jan-22	15:30	18:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	203B 15th Street (D2-15TH203B)	09-Jan-22	15:30	18:04	<input checked="" type="checkbox"/>	
Flushing Zone D2	203C 15th Street (D2-15TH203C)	09-Jan-22	15:30	18:04	<input checked="" type="checkbox"/>	
Flushing Zone D2	203D 15th Street (D2-15TH203D)	09-Jan-22	15:30	18:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	203E 15th Street (D2-15TH203E)	09-Jan-22	14:00	14:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	212A 15th Street (D2-15TH212A)	09-Jan-22	14:22	16:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	212B 15th Street (D2-15TH212B)	09-Jan-22	14:00	16:35	<input checked="" type="checkbox"/>	
Flushing Zone D2	212C 15th Street (D2-15TH212C)	09-Jan-22	14:20	16:36	<input checked="" type="checkbox"/>	
Flushing Zone D2	212D 15th Street (D2-15TH212D)	09-Jan-22	14:19	15:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	212E 15th Street (D2-15TH212E)	09-Jan-22	14:18	16:37	<input checked="" type="checkbox"/>	
Flushing Zone D2	212F 15th Street (D2-15TH212F)	09-Jan-22	14:17	16:36	<input checked="" type="checkbox"/>	
Flushing Zone D2	212G 15th Street (D2-15TH212G)	09-Jan-22	14:17	16:35	<input checked="" type="checkbox"/>	
Flushing Zone D2	212H 15th Street (D2-15TH212H)	09-Jan-22	14:15	15:19	<input checked="" type="checkbox"/>	
Flushing Zone D2	212I 15th Street (D2-15TH212I)	09-Jan-22	14:22	16:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	201 16th Street (D2-16TH0201)	09-Jan-22	16:58	17:58	<input checked="" type="checkbox"/>	
Flushing Zone D2	202 16th Street (D2-16TH0202)	09-Jan-22	00:00	08:20	<input checked="" type="checkbox"/>	
Flushing Zone D2	204 16th Street (D2-16TH0204)	09-Jan-22	00:00	08:22	<input checked="" type="checkbox"/>	
Flushing Zone D2	205 16th Street (D2-16TH0205)	09-Jan-22	10:00	08:24	<input checked="" type="checkbox"/>	
Flushing Zone D2	206 16th Street (D2-16TH0206)	09-Jan-22	11:00	08:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	207 16th Street (D2-16TH0207)	09-Jan-22	14:50	16:39	<input checked="" type="checkbox"/>	
Flushing Zone D2	208 16th Street (D2-16TH0208)	09-Jan-22	11:00	08:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	209 16th Street (D2-16TH0209)	09-Jan-22	14:38	15:53	<input checked="" type="checkbox"/>	
Flushing Zone D2	210 16th Street (D2-16TH0210)	09-Jan-22	12:00	08:31	<input checked="" type="checkbox"/>	
Flushing Zone D2	211 16th Street (D2-16TH0211)	09-Jan-22	13:00	08:35	<input checked="" type="checkbox"/>	
Flushing Zone D2	214 16th Street (D2-16TH0214)	09-Jan-22	15:30	16:55	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203A)	09-Jan-22	17:07	17:08	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203B)	09-Jan-22	17:10	17:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203C)	09-Jan-22	17:11	17:11	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203E)	09-Jan-22	17:11	17:11	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203F)	09-Jan-22	17:10	17:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203G)	09-Jan-22	17:09	17:09	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203H)	09-Jan-22	14:29	17:09	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 16th Street (D2-16TH203I)	09-Jan-22	17:08	17:08	<input checked="" type="checkbox"/>	
Flushing Zone D2	212 16th Street (D2-16TH212A)	09-Jan-22	15:30	18:06	<input checked="" type="checkbox"/>	
Flushing Zone D2	212 16th Street (D2-16TH212B)	09-Jan-22	16:00	18:00	<input checked="" type="checkbox"/>	
Flushing Zone D2	212 16th Street (D2-16TH212C)	11-Jan-22	15:40	17:18	<input checked="" type="checkbox"/>	Reason(s) Selected Maintenance Issues
Flushing Zone D2	212 16th Street (D2-16TH212D)	09-Jan-22	16:00	18:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	212 16th Street (D2-16TH212E)	09-Jan-22	15:30	18:03	<input checked="" type="checkbox"/>	
Flushing Zone D2	201 17th Street (D2-17TH0201)	09-Jan-22	16:16	17:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	202 17th Street (D2-17TH0202)	09-Jan-22	12:00	09:06	<input checked="" type="checkbox"/>	
Flushing Zone D2	204 17th Street (D2-17TH0204)	09-Jan-22	15:25	16:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	205 17th Street (D2-17TH0205)	09-Jan-22	16:20	17:26	<input checked="" type="checkbox"/>	
Flushing Zone D2	206 17th Street (D2-17TH0206)	09-Jan-22	13:00	08:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	207 17th Street (D2-17TH0207)	09-Jan-22	16:30	17:40	<input checked="" type="checkbox"/>	
Flushing Zone D2	208 17th Street (D2-17TH0208)	10-Jan-22	08:18	09:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	209 17th Street (D2-17TH0209)	09-Jan-22	10:00	08:54	<input checked="" type="checkbox"/>	
Flushing Zone D2	211 17th Street (D2-17TH0211)	09-Jan-22	14:00	09:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	212 17th Street (D2-17TH0212)	09-Jan-22	13:00	09:03	<input checked="" type="checkbox"/>	
Flushing Zone D2	214 17th Street (D2-17TH0214)	09-Jan-22	12:00	09:04	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 17th Street (D2-17TH203A)	11-Jan-22	08:00	14:44	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 17th Street (D2-17TH203B)	09-Jan-22	16:35	07:44	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 17th Street (D2-17TH203C)	09-Jan-22	16:15	17:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 17th Street (D2-17TH203D)	11-Jan-22	08:25	14:46	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 17th Street (D2-17TH203E)	11-Jan-22	13:00	14:48	<input checked="" type="checkbox"/>	
Flushing Zone D2	210 17th Street (D2-17TH210A)	09-Jan-22	13:00	08:55	<input checked="" type="checkbox"/>	
Flushing Zone D2	102 18th Street (D2-18TH0102)	10-Jan-22	09:00	10:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	104 18th Street (D2-18TH0104)	10-Jan-22	09:15	10:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	106 18th Street (D2-18TH0106)	10-Jan-22	13:00	16:59	<input checked="" type="checkbox"/>	
Flushing Zone D2	108 18th Street (D2-18TH0108)	10-Jan-22	10:05	11:18	<input checked="" type="checkbox"/>	
Flushing Zone D2	110 18th Street (D2-18TH0110)	11-Jan-22	13:00	17:00	<input checked="" type="checkbox"/>	
Flushing Zone D2	112 18th Street (D2-18TH0112)	10-Jan-22	08:00	08:51	<input checked="" type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	114 18th Street (D2-18TH0114)	10-Jan-22	10:25	11:15	<input checked="" type="checkbox"/>
Flushing Zone D2	116 18th Street (D2-18TH0116)	10-Jan-22	10:25	11:15	<input checked="" type="checkbox"/>
Flushing Zone D2	118 18th Street (D2-18TH0118)	10-Jan-22	11:05	11:59	<input checked="" type="checkbox"/>
Flushing Zone D2	120 18th Street (D2-18TH0120)	10-Jan-22	11:05	11:48	<input checked="" type="checkbox"/>
Flushing Zone D2	121 18th Street (D2-18TH0121)	10-Jan-22	09:25	10:11	<input checked="" type="checkbox"/>
Flushing Zone D2	122 18th Street (D2-18TH0122)	10-Jan-22	14:05	14:52	<input checked="" type="checkbox"/>
Flushing Zone D2	123 18th Street (D2-18TH0123)	10-Jan-22	09:25	10:10	<input checked="" type="checkbox"/>
Flushing Zone D2	124 18th Street (D2-18TH0124)	10-Jan-22	11:52	12:57	<input checked="" type="checkbox"/>
Flushing Zone D2	125 18th Street (D2-18TH0125)	10-Jan-22	08:22	10:15	<input checked="" type="checkbox"/>
Flushing Zone D2	126 18th Street (D2-18TH0126)	10-Jan-22	11:52	13:19	<input checked="" type="checkbox"/>
Flushing Zone D2	127 18th Street (D2-18TH0127)	10-Jan-22	07:45	09:48	<input checked="" type="checkbox"/>
Flushing Zone D2	128 18th Street (D2-18TH0128)	10-Jan-22	12:48	13:52	<input checked="" type="checkbox"/>
Flushing Zone D2	129 18th Street (D2-18TH0129)	10-Jan-22	08:00	09:12	<input checked="" type="checkbox"/>
Flushing Zone D2	130 18th Street (D2-18TH0130)	10-Jan-22	13:05	14:13	<input checked="" type="checkbox"/>
Flushing Zone D2	131 18th Street (D2-18TH0131)	10-Jan-22	09:11	09:11	<input checked="" type="checkbox"/>
Flushing Zone D2	132 18th Street (D2-18TH0132)	10-Jan-22	12:40	14:10	<input checked="" type="checkbox"/>
Flushing Zone D2	133 18th Street (D2-18TH0133)	10-Jan-22	09:04	10:40	<input checked="" type="checkbox"/>
Flushing Zone D2	134 18th Street (D2-18TH0134)	10-Jan-22	12:30	14:15	<input checked="" type="checkbox"/>
Flushing Zone D2	135 18th Street (D2-18TH0135)	10-Jan-22	08:45	09:34	<input checked="" type="checkbox"/>
Flushing Zone D2	136 18th Street (D2-18TH0136)	10-Jan-22	13:05	15:13	<input checked="" type="checkbox"/>
Flushing Zone D2	137 18th Street (D2-18TH0137)	10-Jan-22	07:45	10:14	<input checked="" type="checkbox"/>
Flushing Zone D2	138 18th Street (D2-18TH0138)	10-Jan-22	10:40	12:17	<input checked="" type="checkbox"/>
Flushing Zone D2	139 18th Street (D2-18TH0139)	10-Jan-22	09:00	12:07	<input checked="" type="checkbox"/>
Flushing Zone D2	140 18th Street (D2-18TH0140)	10-Jan-22	11:09	13:30	<input checked="" type="checkbox"/>
Flushing Zone D2	142 18th Street (D2-18TH0142)	10-Jan-22	12:18	13:28	<input checked="" type="checkbox"/>
Flushing Zone D2	144 18th Street (D2-18TH0144)	10-Jan-22	12:23	13:41	<input checked="" type="checkbox"/>
Flushing Zone D2	146 18th Street (D2-18TH0146)	10-Jan-22	11:30	13:12	<input checked="" type="checkbox"/>
Flushing Zone D2	148 18th Street (D2-18TH0148)	10-Jan-22	12:00	13:14	<input checked="" type="checkbox"/>
Flushing Zone D2	150 18th Street (D2-18TH0150)	10-Jan-22	10:25	11:55	<input checked="" type="checkbox"/>
Flushing Zone D2	152 18th Street (D2-18TH0152)	10-Jan-22	10:00	09:16	<input checked="" type="checkbox"/>
Flushing Zone D2	154 18th Street (D2-18TH0154)	10-Jan-22	10:00	09:17	<input checked="" type="checkbox"/>
Flushing Zone D2	156 18th Street (D2-18TH0156)	10-Jan-22	11:38	14:18	<input checked="" type="checkbox"/>
Flushing Zone D2	158 18th Street (D2-18TH0158)	10-Jan-22	12:30	13:33	<input checked="" type="checkbox"/>
Flushing Zone D2	160 18th Street (D2-18TH0160)	10-Jan-22	12:16	13:55	<input checked="" type="checkbox"/>
Flushing Zone D2	162 18th Street (D2-18TH0162)	10-Jan-22	11:30	14:24	<input checked="" type="checkbox"/>
Flushing Zone D2	164 18th Street (D2-18TH0164)	10-Jan-22	09:42	11:32	<input checked="" type="checkbox"/>
Flushing Zone D2	166 18th Street (D2-18TH0166)	10-Jan-22	10:50	12:32	<input checked="" type="checkbox"/>
Flushing Zone D2	168 18th Street (D2-18TH0168)	10-Jan-22	09:40	14:22	<input checked="" type="checkbox"/>
Flushing Zone D2	170 18th Street (D2-18TH0170)	10-Jan-22	08:15	11:19	<input checked="" type="checkbox"/>
Flushing Zone D2	172 18th Street (D2-18TH0172)	10-Jan-22	08:00	08:50	<input checked="" type="checkbox"/>
Flushing Zone D2	11 19th Street (D2-19TH0011)	09-Jan-22	12:09	13:36	<input checked="" type="checkbox"/>
Flushing Zone D2	12 19th Street (D2-19TH0012)	09-Jan-22	15:26	16:48	<input checked="" type="checkbox"/>
Flushing Zone D2	13 19th Street (D2-19TH0013)	09-Jan-22	13:46	15:20	<input checked="" type="checkbox"/>
Flushing Zone D2	14 19th Street (D2-19TH0014)	09-Jan-22	15:33	16:53	<input checked="" type="checkbox"/>
Flushing Zone D2	16 19th Street (D2-19TH0016)	09-Jan-22	04:30	17:40	<input checked="" type="checkbox"/>
Flushing Zone D2	18 19th Street (D2-19TH0018)	09-Jan-22	14:00	16:49	<input checked="" type="checkbox"/>
Flushing Zone D2	20 19th Street (D2-19TH0020)	09-Jan-22	14:00	14:03	<input checked="" type="checkbox"/>
Flushing Zone D2	22 19th Street (D2-19TH0022)	09-Jan-22	12:00	15:42	<input checked="" type="checkbox"/>
Flushing Zone D2	100 19th Street (D2-19TH0100)	09-Jan-22	18:00	12:27	<input checked="" type="checkbox"/>
Flushing Zone D2	101 19th Street (D2-19TH0101)	10-Jan-22	11:00	13:01	<input checked="" type="checkbox"/>
Flushing Zone D2	102 19th Street (D2-19TH0102)	10-Jan-22	12:32	13:40	<input checked="" type="checkbox"/>
Flushing Zone D2	103 19th Street (D2-19TH0103)	10-Jan-22	10:00	11:21	<input checked="" type="checkbox"/>
Flushing Zone D2	104 19th Street (D2-19TH0104)	10-Jan-22	15:00	15:01	<input checked="" type="checkbox"/>
Flushing Zone D2	105 19th Street (D2-19TH0105)	10-Jan-22	11:20	13:25	<input checked="" type="checkbox"/>
Flushing Zone D2	106 19th Street (D2-19TH0106)	10-Jan-22	12:32	14:48	<input checked="" type="checkbox"/>
Flushing Zone D2	107 19th Street (D2-19TH0107)	10-Jan-22	11:00	13:40	<input checked="" type="checkbox"/>
Flushing Zone D2	108 19th Street (D2-19TH0108)	10-Jan-22	12:00	14:19	<input checked="" type="checkbox"/>
Flushing Zone D2	109 19th Street (D2-19TH0109)	10-Jan-22	10:00	12:21	<input checked="" type="checkbox"/>
Flushing Zone D2	110 19th Street (D2-19TH0110)	11-Jan-22	08:09	10:13	<input checked="" type="checkbox"/>
Flushing Zone D2	111 19th Street (D2-19TH0111)	11-Jan-22	10:00	11:22	<input checked="" type="checkbox"/>
Flushing Zone D2	112 19th Street (D2-19TH0112)	10-Jan-22	11:58	13:25	<input checked="" type="checkbox"/>
Flushing Zone D2	114 19th Street (D2-19TH0114)	10-Jan-22	12:00	13:31	<input checked="" type="checkbox"/>
Flushing Zone D2	116 19th Street (D2-19TH0116)	10-Jan-22	12:44	13:58	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	118 19th Street (D2-19TH0118)	10-Jan-22	12:44	14:03	<input checked="" type="checkbox"/>
Flushing Zone D2	120 19th Street (D2-19TH0120)	10-Jan-22	13:00	14:40	<input checked="" type="checkbox"/>
Flushing Zone D2	121 19th Street (D2-19TH0121)	11-Jan-22	08:00	12:22	<input checked="" type="checkbox"/>
Flushing Zone D2	122 19th Street (D2-19TH0122)	10-Jan-22	12:47	14:13	<input checked="" type="checkbox"/>
Flushing Zone D2	123 19th Street (D2-19TH0123)	10-Jan-22	13:45	15:08	<input checked="" type="checkbox"/>
Flushing Zone D2	124 19th Street (D2-19TH0124)	10-Jan-22	13:01	14:45	<input checked="" type="checkbox"/>
Flushing Zone D2	125 19th Street (D2-19TH0125)	10-Jan-22	08:00	08:21	<input checked="" type="checkbox"/>
Flushing Zone D2	126 19th Street (D2-19TH0126)	10-Jan-22	13:02	08:32	<input checked="" type="checkbox"/>
Flushing Zone D2	127 19th Street (D2-19TH0127)	10-Jan-22	14:15	15:55	<input checked="" type="checkbox"/>
Flushing Zone D2	128 19th Street (D2-19TH0128)	10-Jan-22	13:35	14:44	<input checked="" type="checkbox"/>
Flushing Zone D2	129 19th Street (D2-19TH0129)	11-Jan-22	08:00	12:18	<input checked="" type="checkbox"/>
Flushing Zone D2	130 19th Street (D2-19TH0130)	11-Jan-22	08:10	12:09	<input checked="" type="checkbox"/>
Flushing Zone D2	131 19th Street (D2-19TH0131)	11-Jan-22	08:00	12:20	<input checked="" type="checkbox"/>
Flushing Zone D2	132 19th Street (D2-19TH0132)	10-Jan-22	10:00	13:01	<input checked="" type="checkbox"/>
Flushing Zone D2	133 19th Street (D2-19TH0133)	10-Jan-22	08:11	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	134 19th Street (D2-19TH0134)	11-Jan-22	11:00	13:15	<input checked="" type="checkbox"/>
Flushing Zone D2	135 19th Street (D2-19TH0135)	10-Jan-22	07:43	09:53	<input checked="" type="checkbox"/>
Flushing Zone D2	136 19th Street (D2-19TH0136)	10-Jan-22	13:28	15:07	<input checked="" type="checkbox"/>
Flushing Zone D2	137 19th Street (D2-19TH0137)	10-Jan-22	11:00	13:25	<input checked="" type="checkbox"/>
Flushing Zone D2	138 19th Street (D2-19TH0138)	10-Jan-22	07:00	10:03	<input checked="" type="checkbox"/>
Flushing Zone D2	139 19th Street (D2-19TH0139)	10-Jan-22	10:17	12:45	<input checked="" type="checkbox"/>
Flushing Zone D2	140 19th Street (D2-19TH0140)	10-Jan-22	08:10	09:48	<input checked="" type="checkbox"/>
Flushing Zone D2	142 19th Street (D2-19TH0142)	10-Jan-22	07:35	09:34	<input checked="" type="checkbox"/>
Flushing Zone D2	144 19th Street (D2-19TH0144)	10-Jan-22	07:41	10:26	<input checked="" type="checkbox"/>
Flushing Zone D2	146 19th Street (D2-19TH0146)	10-Jan-22	07:41	10:10	<input checked="" type="checkbox"/>
Flushing Zone D2	148 19th Street (D2-19TH0148)	10-Jan-22	08:30	09:48	<input checked="" type="checkbox"/>
Flushing Zone D2	150 19th Street (D2-19TH0150)	10-Jan-22	08:30	09:46	<input checked="" type="checkbox"/>
Flushing Zone D2	152 19th Street (D2-19TH0152)	10-Jan-22	07:44	09:38	<input checked="" type="checkbox"/>
Flushing Zone D2	154 19th Street (D2-19TH0154)	10-Jan-22	08:00	10:11	<input checked="" type="checkbox"/>
Flushing Zone D2	156 19th Street (D2-19TH0156)	10-Jan-22	08:00	11:35	<input checked="" type="checkbox"/>
Flushing Zone D2	158 19th Street (D2-19TH0158)	10-Jan-22	08:00	11:41	<input checked="" type="checkbox"/>
Flushing Zone D2	160 19th Street (D2-19TH0160)	10-Jan-22	08:00	09:42	<input checked="" type="checkbox"/>
Flushing Zone D2	162 19th Street (D2-19TH0162)	10-Jan-22	07:50	09:39	<input checked="" type="checkbox"/>
Flushing Zone D2	164 19th Street (D2-19TH0164)	10-Jan-22	08:10	10:10	<input checked="" type="checkbox"/>
Flushing Zone D2	166 19th Street (D2-19TH0166)	10-Jan-22	07:53	10:12	<input checked="" type="checkbox"/>
Flushing Zone D2	168 19th Street (D2-19TH0168)	10-Jan-22	07:47	10:16	<input checked="" type="checkbox"/>
Flushing Zone D2	170 19th Street (D2-19TH0170)	10-Jan-22	07:48	10:17	<input checked="" type="checkbox"/>
Flushing Zone D2	172 19th Street (D2-19TH0172)	10-Jan-22	10:16	11:57	<input checked="" type="checkbox"/>
Flushing Zone D2	174 19th Street (D2-19TH0174)	10-Jan-22	10:30	12:08	<input checked="" type="checkbox"/>
Flushing Zone D2	176 19th Street (D2-19TH0176)	10-Jan-22	10:25	12:48	<input checked="" type="checkbox"/>
Flushing Zone D2	178 19th Street (D2-19TH0178)	10-Jan-22	10:45	12:56	<input checked="" type="checkbox"/>
Flushing Zone D2	180 19th Street (D2-19TH0180)	10-Jan-22	10:00	12:01	<input checked="" type="checkbox"/>
Flushing Zone D2	182 19th Street (D2-19TH0182)	10-Jan-22	22:00	12:08	<input checked="" type="checkbox"/>
Flushing Zone D2	184 19th Street (D2-19TH0184)	10-Jan-22	09:30	12:00	<input checked="" type="checkbox"/>
Flushing Zone D2	186 19th Street (D2-19TH0186)	10-Jan-22	09:30	11:58	<input checked="" type="checkbox"/>
Flushing Zone D2	188 19th Street (D2-19TH0188)	10-Jan-22	09:30	11:55	<input checked="" type="checkbox"/>
Flushing Zone D2	190 19th Street (D2-19TH0190)	10-Jan-22	09:30	11:56	<input checked="" type="checkbox"/>
Flushing Zone D2	192 19th Street (D2-19TH0192)	10-Jan-22	10:28	12:45	<input checked="" type="checkbox"/>
Flushing Zone D2	194 19th Street (D2-19TH0194)	10-Jan-22	10:36	12:46	<input checked="" type="checkbox"/>
Flushing Zone D2	196 19th Street (D2-19TH0196)	10-Jan-22	11:00	13:24	<input checked="" type="checkbox"/>
Flushing Zone D2	198 19th Street (D2-19TH0198)	10-Jan-22	07:55	09:48	<input checked="" type="checkbox"/>
Flushing Zone D2	201 19th Street (D2-19TH0201)	10-Jan-22	08:00	10:19	<input checked="" type="checkbox"/>
Flushing Zone D2	202 19th Street (D2-19TH0202)	10-Jan-22	08:00	10:24	<input checked="" type="checkbox"/>
Flushing Zone D2	203 19th Street (D2-19TH0203)	10-Jan-22	08:00	10:20	<input checked="" type="checkbox"/>
Flushing Zone D2	204 19th Street (D2-19TH0204)	10-Jan-22	08:00	10:22	<input checked="" type="checkbox"/>
Flushing Zone D2	205 19th Street (D2-19TH0205)	10-Jan-22	08:00	11:28	<input checked="" type="checkbox"/>
Flushing Zone D2	206 19th Street (D2-19TH0206)	10-Jan-22	08:00	10:26	<input checked="" type="checkbox"/>
Flushing Zone D2	207 19th Street (D2-19TH0207)	10-Jan-22	08:00	11:29	<input checked="" type="checkbox"/>
Flushing Zone D2	208 19th Street (D2-19TH0208)	10-Jan-22	11:00	12:41	<input checked="" type="checkbox"/>
Flushing Zone D2	210 19th Street (D2-19TH0210)	10-Jan-22	08:00	09:36	<input checked="" type="checkbox"/>
Flushing Zone D2	211 19th Street (D2-19TH0211)	10-Jan-22	11:00	12:02	<input checked="" type="checkbox"/>
Flushing Zone D2	212 19th Street (D2-19TH0212)	10-Jan-22	08:00	10:18	<input checked="" type="checkbox"/>
Flushing Zone D2	213 19th Street (D2-19TH0213)	10-Jan-22	10:00	11:59	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	214 19th Street (D2-19TH0214)	10-Jan-22	08:00	10:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	216 19th Street (D2-19TH0216)	10-Jan-22	08:00	10:07	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	218 19th Street (D2-19TH0218)	10-Jan-22	08:00	09:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	220 19th Street (D2-19TH0220)	10-Jan-22	08:00	09:37	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1705 19th Way (D2-19TH1705)	09-Jan-22	10:35	11:46	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1707 19th Way (D2-19TH1707)	09-Jan-22	11:47	12:34	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1801 19th Way (D2-19TH1801)	09-Jan-22	14:08	15:23	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1803 19th Way (D2-19TH1803)	09-Jan-22	13:00	14:01	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1805 19th Way (D2-19TH1805)	09-Jan-22	12:00	13:58	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1807 19th Way (D2-19TH1807)	09-Jan-22	10:15	13:55	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1809 19th Way (D2-19TH1809)	09-Jan-22	10:44	10:52	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1811 19th Way (D2-19TH1811)	09-Jan-22	10:29	17:13	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1901 19th Way (D2-19TH1901)	09-Jan-22	12:33	13:14	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1903 19th Way (D2-19TH1903)	09-Jan-22	15:50	16:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1905 19th Way (D2-19TH1905)	09-Jan-22	11:46	12:27	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	1907 19th Way (D2-19TH1907)	09-Jan-22	10:44	11:41	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	102 1st Street (D2-1ST0102)	11-Jan-22	16:00	17:58	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	104 1st Street (D2-1ST0104)	11-Jan-22	15:12	18:36	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	106 1st Street (D2-1ST0106)	11-Jan-22	16:30	18:38	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	108 1st Street (D2-1ST0108)	11-Jan-22	02:00	18:37	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	112 1st Street (D2-1ST0112)	11-Jan-22	11:29	14:14	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	114 1st Street (D2-1ST0114)	11-Jan-22	11:30	18:43	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	116 1st Street (D2-1ST0116)	11-Jan-22	10:37	13:13	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	118 1st Street (D2-1ST0118)	11-Jan-22	10:37	13:12	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	122 1st Street (D2-1ST0122)	11-Jan-22	08:09	10:35	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	124 1st Street (D2-1ST0124)	11-Jan-22	08:09	10:34	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	126 1st Street (D2-1ST0126)	11-Jan-22	08:49	10:28	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	128 1st Street (D2-1ST0128)	11-Jan-22	08:00	10:44	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	202 1st Street (D2-1ST0202)	11-Jan-22	16:35	18:19	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	100 20th Street (D2-20TH0100)	10-Jan-22	07:49	09:06	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	101 20th Street (D2-20TH0101)	10-Jan-22	07:50	09:04	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	102 20th Street (D2-20TH0102)	10-Jan-22	07:56	09:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	103 20th Street (D2-20TH0103)	10-Jan-22	09:04	10:02	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	104 20th Street (D2-20TH0104)	10-Jan-22	09:11	10:26	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	105 20th Street (D2-20TH0105)	10-Jan-22	09:42	11:01	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	106 20th Street (D2-20TH0106)	10-Jan-22	09:15	10:33	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	107 20th Street (D2-20TH0107)	10-Jan-22	10:30	11:49	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	108 20th Street (D2-20TH0108)	10-Jan-22	10:34	11:46	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	109 20th Street (D2-20TH0109)	10-Jan-22	12:41	13:48	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	110 20th Street (D2-20TH0110)	10-Jan-22	10:35	11:48	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	111 20th Street (D2-20TH0111)	10-Jan-22	12:42	14:03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	112 20th Street (D2-20TH0112)	10-Jan-22	07:54	09:08	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	113 20th Street (D2-20TH0113)	10-Jan-22	08:01	09:18	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	114 20th Street (D2-20TH0114)	10-Jan-22	08:08	10:33	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	115 20th Street (D2-20TH0115)	10-Jan-22	08:39	09:51	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	116 20th Street (D2-20TH0116)	10-Jan-22	10:34	12:03	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	117 20th Street (D2-20TH0117)	10-Jan-22	10:07	09:24	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	118 20th Street (D2-20TH0118)	10-Jan-22	12:15	13:40	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	119 20th Street (D2-20TH0119)	10-Jan-22	10:31	11:41	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	120 20th Street (D2-20TH0120)	10-Jan-22	07:59	10:07	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	121 20th Street (D2-20TH0121)	10-Jan-22	09:14	10:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	122 20th Street (D2-20TH0122)	10-Jan-22	09:01	10:10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	123 20th Street (D2-20TH0123)	10-Jan-22	07:55	09:29	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	124 20th Street (D2-20TH0124)	10-Jan-22	09:47	11:04	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	125 20th Street (D2-20TH0125)	10-Jan-22	12:40	13:49	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	126 20th Street (D2-20TH0126)	10-Jan-22	09:47	11:04	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	127 20th Street (D2-20TH0127)	10-Jan-22	10:33	11:19	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	128 20th Street (D2-20TH0128)	10-Jan-22	10:12	11:40	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	129 20th Street (D2-20TH0129)	10-Jan-22	13:00	14:31	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	130 20th Street (D2-20TH0130)	10-Jan-22	09:52	11:12	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	131 20th Street (D2-20TH0131)	10-Jan-22	10:21	11:28	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	132 20th Street (D2-20TH0132)	10-Jan-22	08:17	09:43	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	133 20th Street (D2-20TH0133)	10-Jan-22	10:00	11:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	134 20th Street (D2-20TH0134)	10-Jan-22	08:16	09:43	<input checked="" type="checkbox"/>
Flushing Zone D2	135 20th Street (D2-20TH0135)	10-Jan-22	10:00	11:31	<input checked="" type="checkbox"/>
Flushing Zone D2	136 20th Street (D2-20TH0136)	10-Jan-22	07:50	09:10	<input checked="" type="checkbox"/>
Flushing Zone D2	137 20th Street (D2-20TH0137)	10-Jan-22	08:00	10:02	<input checked="" type="checkbox"/>
Flushing Zone D2	138 20th Street (D2-20TH0138)	10-Jan-22	08:18	09:10	<input checked="" type="checkbox"/>
Flushing Zone D2	139 20th Street (D2-20TH0139)	10-Jan-22	08:17	10:02	<input checked="" type="checkbox"/>
Flushing Zone D2	140 20th Street (D2-20TH0140)	10-Jan-22	08:11	09:26	<input checked="" type="checkbox"/>
Flushing Zone D2	141 20th Street (D2-20TH0141)	10-Jan-22	10:02	12:18	<input checked="" type="checkbox"/>
Flushing Zone D2	142 20th Street (D2-20TH0142)	10-Jan-22	08:22	12:27	<input checked="" type="checkbox"/>
Flushing Zone D2	143 20th Street (D2-20TH0143)	10-Jan-22	10:00	12:19	<input checked="" type="checkbox"/>
Flushing Zone D2	144 20th Street (D2-20TH0144)	10-Jan-22	09:35	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	145 20th Street (D2-20TH0145)	10-Jan-22	10:00	12:12	<input checked="" type="checkbox"/>
Flushing Zone D2	146 20th Street (D2-20TH0146)	10-Jan-22	09:41	10:56	<input checked="" type="checkbox"/>
Flushing Zone D2	147 20th Street (D2-20TH0147)	10-Jan-22	10:00	11:40	<input checked="" type="checkbox"/>
Flushing Zone D2	148 20th Street (D2-20TH0148)	10-Jan-22	11:13	11:53	<input checked="" type="checkbox"/>
Flushing Zone D2	149 20th Street (D2-20TH0149)	10-Jan-22	08:00	10:27	<input checked="" type="checkbox"/>
Flushing Zone D2	150 20th Street (D2-20TH0150)	10-Jan-22	09:00	09:57	<input checked="" type="checkbox"/>
Flushing Zone D2	151 20th Street (D2-20TH0151)	10-Jan-22	07:51	10:19	<input checked="" type="checkbox"/>
Flushing Zone D2	152 20th Street (D2-20TH0152)	10-Jan-22	07:56	08:56	<input checked="" type="checkbox"/>
Flushing Zone D2	153 20th Street (D2-20TH0153)	10-Jan-22	20:00	09:39	<input checked="" type="checkbox"/>
Flushing Zone D2	154 20th Street (D2-20TH0154)	10-Jan-22	11:50	13:05	<input checked="" type="checkbox"/>
Flushing Zone D2	155 20th Street (D2-20TH0155)	10-Jan-22	08:00	10:15	<input checked="" type="checkbox"/>
Flushing Zone D2	156 20th Street (D2-20TH0156)	10-Jan-22	09:00	10:34	<input checked="" type="checkbox"/>
Flushing Zone D2	158 20th Street (D2-20TH0158)	10-Jan-22	09:00	10:09	<input checked="" type="checkbox"/>
Flushing Zone D2	160 20th Street (D2-20TH0160)	10-Jan-22	08:00	09:35	<input checked="" type="checkbox"/>
Flushing Zone D2	162 20th Street (D2-20TH0162)	10-Jan-22	08:30	09:36	<input checked="" type="checkbox"/>
Flushing Zone D2	164 20th Street (D2-20TH0164)	10-Jan-22	13:55	15:44	<input checked="" type="checkbox"/>
Flushing Zone D2	166 20th Street (D2-20TH0166)	10-Jan-22	14:00	15:46	<input checked="" type="checkbox"/>
Flushing Zone D2	168 20th Street (D2-20TH0168)	10-Jan-22	13:00	15:31	<input checked="" type="checkbox"/>
Flushing Zone D2	170 20th Street (D2-20TH0170)	10-Jan-22	14:14	16:25	<input checked="" type="checkbox"/>
Flushing Zone D2	172 20th Street (D2-20TH0172)	10-Jan-22	14:00	15:42	<input checked="" type="checkbox"/>
Flushing Zone D2	174 20th Street (D2-20TH0174)	10-Jan-22	14:00	15:43	<input checked="" type="checkbox"/>
Flushing Zone D2	176 20th Street (D2-20TH0176)	11-Jan-22	13:58	07:56	<input checked="" type="checkbox"/>
Flushing Zone D2	178 20th Street (D2-20TH0178)	10-Jan-22	14:00	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	180 20th Street (D2-20TH0180)	10-Jan-22	14:15	14:50	<input checked="" type="checkbox"/>
Flushing Zone D2	182 20th Street (D2-20TH0182)	10-Jan-22	14:04	15:03	<input checked="" type="checkbox"/>
Flushing Zone D2	184 20th Street (D2-20TH0184)	10-Jan-22	12:00	15:02	<input checked="" type="checkbox"/>
Flushing Zone D2	186 20th Street (D2-20TH0186)	10-Jan-22	12:00	15:01	<input checked="" type="checkbox"/>
Flushing Zone D2	188 20th Street (D2-20TH0188)	10-Jan-22	12:00	16:36	<input checked="" type="checkbox"/>
Flushing Zone D2	190 20th Street (D2-20TH0190)	10-Jan-22	12:00	14:05	<input checked="" type="checkbox"/>
Flushing Zone D2	192 20th Street (D2-20TH0192)	10-Jan-22	14:00	14:43	<input checked="" type="checkbox"/>
Flushing Zone D2	194 20th Street (D2-20TH0194)	10-Jan-22	14:00	15:00	<input checked="" type="checkbox"/>
Flushing Zone D2	196 20th Street (D2-20TH0196)	10-Jan-22	10:00	13:22	<input checked="" type="checkbox"/>
Flushing Zone D2	198 20th Street (D2-20TH0198)	10-Jan-22	11:00	13:14	<input checked="" type="checkbox"/>
Flushing Zone D2	101 21st Street (D2-21ST0101)	09-Jan-22	10:00	13:23	<input checked="" type="checkbox"/>
Flushing Zone D2	102 21st Street (D2-21ST0102)	09-Jan-22	10:40	12:01	<input checked="" type="checkbox"/>
Flushing Zone D2	103 21st Street (D2-21ST0103)	09-Jan-22	11:27	13:32	<input checked="" type="checkbox"/>
Flushing Zone D2	104 21st Street (D2-21ST0104)	09-Jan-22	10:30	12:02	<input checked="" type="checkbox"/>
Flushing Zone D2	105 21st Street (D2-21ST0105)	09-Jan-22	13:00	15:40	<input checked="" type="checkbox"/>
Flushing Zone D2	106 21st Street (D2-21ST0106)	09-Jan-22	15:40	16:57	<input checked="" type="checkbox"/>
Flushing Zone D2	107 21st Street (D2-21ST0107)	09-Jan-22	12:15	15:57	<input checked="" type="checkbox"/>
Flushing Zone D2	108 21st Street (D2-21ST0108)	09-Jan-22	13:43	15:04	<input checked="" type="checkbox"/>
Flushing Zone D2	109 21st Street (D2-21ST0109)	09-Jan-22	10:43	15:55	<input checked="" type="checkbox"/>
Flushing Zone D2	110 21st Street (D2-21ST0110)	09-Jan-22	14:00	16:04	<input checked="" type="checkbox"/>
Flushing Zone D2	111 21st Street (D2-21ST0111)	09-Jan-22	00:55	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	112 21st Street (D2-21ST0112)	09-Jan-22	15:15	16:33	<input checked="" type="checkbox"/>
Flushing Zone D2	113 21st Street (D2-21ST0113)	09-Jan-22	10:31	12:37	<input checked="" type="checkbox"/>
Flushing Zone D2	114 21st Street (D2-21ST0114)	09-Jan-22	15:49	16:44	<input checked="" type="checkbox"/>
Flushing Zone D2	115 21st Street (D2-21ST0115)	09-Jan-22	11:00	12:04	<input checked="" type="checkbox"/>
Flushing Zone D2	116 21st Street (D2-21ST0116)	09-Jan-22	12:40	14:05	<input checked="" type="checkbox"/>
Flushing Zone D2	117 21st Street (D2-21ST0117)	09-Jan-22	11:00	13:28	<input checked="" type="checkbox"/>
Flushing Zone D2	118 21st Street (D2-21ST0118)	09-Jan-22	13:00	14:28	<input checked="" type="checkbox"/>
Flushing Zone D2	119 21st Street (D2-21ST0119)	09-Jan-22	11:00	14:47	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	120 21st Street (D2-21ST0120)	09-Jan-22	13:00	14:29	✓	□
Flushing Zone D2	121 21st Street (D2-21ST0121)	09-Jan-22	11:10	10:51	✓	□
Flushing Zone D2	122 21st Street (D2-21ST0122)	09-Jan-22	14:00	15:42	✓	□
Flushing Zone D2	123 21st Street (D2-21ST0123)	09-Jan-22	23:56	14:30	✓	□
Flushing Zone D2	124 21st Street (D2-21ST0124)	09-Jan-22	14:49	15:42	✓	□
Flushing Zone D2	125 21st Street (D2-21ST0125)	09-Jan-22	10:38	11:56	✓	□
Flushing Zone D2	126 21st Street (D2-21ST0126)	09-Jan-22	10:38	11:27	✓	□
Flushing Zone D2	127 21st Street (D2-21ST0127)	09-Jan-22	10:31	11:27	✓	□
Flushing Zone D2	128 21st Street (D2-21ST0128)	09-Jan-22	14:49	15:56	✓	□
Flushing Zone D2	129 21st Street (D2-21ST0129)	09-Jan-22	10:16	11:38	✓	□
Flushing Zone D2	130 21st Street (D2-21ST0130)	09-Jan-22	14:31	15:55	✓	□
Flushing Zone D2	131 21st Street (D2-21ST0131)	09-Jan-22	11:42	12:56	✓	□
Flushing Zone D2	132 21st Street (D2-21ST0132)	09-Jan-22	13:14	14:31	✓	□
Flushing Zone D2	133 21st Street (D2-21ST0133)	09-Jan-22	11:52	11:54	✓	□
Flushing Zone D2	134 21st Street (D2-21ST0134)	09-Jan-22	13:25	13:27	✓	□
Flushing Zone D2	135 21st Street (D2-21ST0135)	09-Jan-22	14:00	15:12	✓	□
Flushing Zone D2	136 21st Street (D2-21ST0136)	09-Jan-22	13:22	13:24	✓	□
Flushing Zone D2	138 21st Street (D2-21ST0138)	09-Jan-22	15:43	15:47	✓	□
Flushing Zone D2	140 21st Street (D2-21ST0140)	09-Jan-22	10:21	11:28	✓	□
Flushing Zone D2	142 21st Street (D2-21ST0142)	09-Jan-22	11:32	13:32	✓	□
Flushing Zone D2	144 21st Street (D2-21ST0144)	09-Jan-22	12:34	13:27	✓	□
Flushing Zone D2	111 2nd Street (D2-2ND0111)	11-Jan-22	11:00	13:55	✓	□
Flushing Zone D2	112 2nd Street (D2-2ND0112)	11-Jan-22	10:41	12:47	✓	□
Flushing Zone D2	113 2nd Street (D2-2ND0113)	11-Jan-22	11:05	13:57	✓	□
Flushing Zone D2	114 2nd Street (D2-2ND0114)	11-Jan-22	12:47	14:54	✓	□
Flushing Zone D2	115 2nd Street (D2-2ND0115)	11-Jan-22	11:10	14:02	✓	□
Flushing Zone D2	116 2nd Street (D2-2ND0116)	11-Jan-22	13:14	14:53	✓	□
Flushing Zone D2	117 2nd Street (D2-2ND0117)	11-Jan-22	11:15	14:03	✓	□
Flushing Zone D2	118 2nd Street (D2-2ND0118)	11-Jan-22	13:30	14:55	✓	□
Flushing Zone D2	121 2nd Street (D2-2ND0121)	11-Jan-22	08:38	10:52	✓	□
Flushing Zone D2	122 2nd Street (D2-2ND0122)	11-Jan-22	13:36	15:29	✓	□
Flushing Zone D2	123 2nd Street (D2-2ND0123)	11-Jan-22	08:09	10:54	✓	□
Flushing Zone D2	124 2nd Street (D2-2ND0124)	11-Jan-22	13:37	18:35	✓	□
Flushing Zone D2	126 2nd Street (D2-2ND0126)	11-Jan-22	15:10	17:25	✓	□
Flushing Zone D2	128 2nd Street (D2-2ND0128)	11-Jan-22	16:08	18:11	✓	□
Flushing Zone D2	131 2nd Street (D2-2ND0131)	11-Jan-22	10:06	13:26	✓	□
Flushing Zone D2	132 2nd Street (D2-2ND0132)	11-Jan-22	16:44	18:35	✓	□
Flushing Zone D2	133 2nd Street (D2-2ND0133)	11-Jan-22	10:52	13:17	✓	□
Flushing Zone D2	134 2nd Street (D2-2ND0134)	11-Jan-22	16:27	18:11	✓	□
Flushing Zone D2	135 2nd Street (D2-2ND0135)	11-Jan-22	08:00	13:39	✓	□
Flushing Zone D2	136 2nd Street (D2-2ND0136)	11-Jan-22	15:45	17:59	✓	□
Flushing Zone D2	137 2nd Street (D2-2ND0137)	11-Jan-22	08:00	11:41	✓	□
Flushing Zone D2	138 2nd Street (D2-2ND0138)	11-Jan-22	09:00	18:54	✓	□
Flushing Zone D2	206 2nd Street (D2-2ND0206)	11-Jan-22	11:00	13:32	✓	□
Flushing Zone D2	208 2nd Street (D2-2ND0208)	15-Jan-22	10:46	10:46	✓	□
Flushing Zone D2	201 2nd Street (D2-2ND0201A)	11-Jan-22	23:32	16:58	✓	□
Flushing Zone D2	201 2nd Street (D2-2ND0201B)	15-Jan-22	08:00	10:47	✓	□
Flushing Zone D2	202 2nd Street (D2-2ND0202A)	11-Jan-22	12:00	12:54	✓	□
Flushing Zone D2	202 2nd Street (D2-2ND0202B)	11-Jan-22	11:00	12:56	✓	□
Flushing Zone D2	203 2nd Street (D2-2ND0203A)	11-Jan-22	13:41	15:47	✓	□
Flushing Zone D2	203 2nd Street (D2-2ND0203B)	11-Jan-22	13:00	08:19	✓	□
Flushing Zone D2	204 2nd Street (D2-2ND0204A)	11-Jan-22	12:00	13:44	✓	□
Flushing Zone D2	204 2nd Street (D2-2ND0204B)	11-Jan-22	16:54	17:48	✓	□
Flushing Zone D2	101 3rd Street (D2-3RD0101)	11-Jan-22	13:00	17:56	✓	□
Flushing Zone D2	103 3rd Street (D2-3RD0103)	15-Jan-22	07:05	09:53	✓	□
Flushing Zone D2	105 3rd Street (D2-3RD0105)	11-Jan-22	14:00	17:58	✓	□
Flushing Zone D2	107 3rd Street (D2-3RD0107)	11-Jan-22	13:51	18:21	✓	□
Flushing Zone D2	111 3rd Street (D2-3RD0111)	11-Jan-22	15:00	17:18	✓	□
Flushing Zone D2	113 3rd Street (D2-3RD0113)	11-Jan-22	11:07	13:11	✓	□
Flushing Zone D2	115 3rd Street (D2-3RD0115)	11-Jan-22	08:43	10:56	✓	□
Flushing Zone D2	117 3rd Street (D2-3RD0117)	11-Jan-22	08:09	18:33	✓	□
Flushing Zone D2	121 3rd Street (D2-3RD0121)	11-Jan-22	04:02	18:06	✓	□
Flushing Zone D2	123 3rd Street (D2-3RD0123)	11-Jan-22	14:36	16:00	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	125 3rd Street (D2-3RD0125)	11-Jan-22	16:00	17:02	✓	□
Flushing Zone D2	126 3rd Street (D2-3RD0126)	11-Jan-22	14:00	16:57	✓	□
Flushing Zone D2	127 3rd Street (D2-3RD0127)	11-Jan-22	18:04	18:04	✓	□
Flushing Zone D2	128 3rd Street (D2-3RD0128)	11-Jan-22	15:26	16:56	✓	□
Flushing Zone D2	131 3rd Street (D2-3RD0131)	11-Jan-22	13:00	16:32	✓	□
Flushing Zone D2	132 3rd Street (D2-3RD0132)	11-Jan-22	15:00	17:03	✓	□
Flushing Zone D2	133 3rd Street (D2-3RD0133)	11-Jan-22	14:42	17:14	✓	□
Flushing Zone D2	134 3rd Street (D2-3RD0134)	11-Jan-22	15:00	16:02	✓	□
Flushing Zone D2	135 3rd Street (D2-3RD0135)	11-Jan-22	15:44	17:17	✓	□
Flushing Zone D2	136 3rd Street (D2-3RD0136)	11-Jan-22	15:00	16:28	✓	□
Flushing Zone D2	137 3rd Street (D2-3RD0137)	11-Jan-22	01:00	16:33	✓	□
Flushing Zone D2	138 3rd Street (D2-3RD0138)	11-Jan-22	08:00	15:49	✓	□
Flushing Zone D2	204 3rd Street (D2-3RD0204)	11-Jan-22	08:00	09:35	✓	□
Flushing Zone D2	206 3rd Street (D2-3RD0206)	11-Jan-22	16:35	17:44	✓	□
Flushing Zone D2	207 3rd Street (D2-3RD0207)	11-Jan-22	10:00	11:47	✓	□
Flushing Zone D2	208 3rd Street (D2-3RD0208)	11-Jan-22	08:00	09:29	✓	□
Flushing Zone D2	210 3rd Street (D2-3RD0210)	11-Jan-22	08:00	09:10	✓	□
Flushing Zone D2	212 3rd Street (D2-3RD0212)	11-Jan-22	08:00	09:18	✓	□
Flushing Zone D2	214 3rd Street (D2-3RD0214)	11-Jan-22	08:00	09:13	✓	□
Flushing Zone D2	201 3rd Street (D2-3RD0201A)	11-Jan-22	15:30	16:32	✓	□
Flushing Zone D2	201 3rd Street (D2-3RD0201B)	11-Jan-22	15:33	16:32	✓	□
Flushing Zone D2	202 3rd Street (D2-3RD0202A)	11-Jan-22	08:00	09:28	✓	□
Flushing Zone D2	202 3rd Street (D2-3RD0202B)	11-Jan-22	08:00	09:29	✓	□
Flushing Zone D2	203 3rd Street (D2-3RD0203A)	11-Jan-22	13:00	18:05	✓	□
Flushing Zone D2	203 3rd Street (D2-3RD0203B)	11-Jan-22	11:00	12:48	✓	□
Flushing Zone D2	205 3rd Street (D2-3RD0205A)	11-Jan-22	11:00	12:45	✓	□
Flushing Zone D2	205 3rd Street (D2-3RD0205B)	11-Jan-22	11:00	14:17	✓	□
Flushing Zone D2	102 4th Street (D2-4TH0102)	11-Jan-22	08:00	11:52	✓	□
Flushing Zone D2	104 4th Street (D2-4TH0104)	11-Jan-22	08:00	11:58	✓	□
Flushing Zone D2	106 4th Street (D2-4TH0106)	11-Jan-22	10:00	13:37	✓	□
Flushing Zone D2	108 4th Street (D2-4TH0108)	11-Jan-22	12:20	13:33	✓	□
Flushing Zone D2	111 4th Street (D2-4TH0111)	11-Jan-22	12:15	13:50	✓	□
Flushing Zone D2	112 4th Street (D2-4TH0112)	11-Jan-22	10:28	11:53	✓	□
Flushing Zone D2	113 4th Street (D2-4TH0113)	11-Jan-22	12:00	13:50	✓	□
Flushing Zone D2	114 4th Street (D2-4TH0114)	11-Jan-22	14:00	16:11	✓	□
Flushing Zone D2	115 4th Street (D2-4TH0115)	11-Jan-22	12:30	13:52	✓	□
Flushing Zone D2	116 4th Street (D2-4TH0116)	11-Jan-22	08:09	10:23	✓	□
Flushing Zone D2	117 4th Street (D2-4TH0117)	11-Jan-22	14:00	15:14	✓	□
Flushing Zone D2	118 4th Street (D2-4TH0118)	11-Jan-22	08:05	15:53	✓	□
Flushing Zone D2	121 4th Street (D2-4TH0121)	11-Jan-22	12:17	15:15	✓	□
Flushing Zone D2	122 4th Street (D2-4TH0122)	11-Jan-22	08:03	09:52	✓	□
Flushing Zone D2	123 4th Street (D2-4TH0123)	11-Jan-22	12:17	15:46	✓	□
Flushing Zone D2	124 4th Street (D2-4TH0124)	11-Jan-22	08:04	11:59	✓	□
Flushing Zone D2	125 4th Street (D2-4TH0125)	11-Jan-22	14:00	15:01	✓	□
Flushing Zone D2	126 4th Street (D2-4TH0126)	11-Jan-22	08:06	09:38	✓	□
Flushing Zone D2	127 4th Street (D2-4TH0127)	11-Jan-22	14:00	15:02	✓	□
Flushing Zone D2	128 4th Street (D2-4TH0128)	11-Jan-22	09:45	11:44	✓	□
Flushing Zone D2	203 4th Street (D2-4TH0203)	11-Jan-22	09:36	11:04	✓	□
Flushing Zone D2	204 4th Street (D2-4TH0204)	11-Jan-22	08:00	09:13	✓	□
Flushing Zone D2	205 4th Street (D2-4TH0205)	11-Jan-22	09:00	09:59	✓	□
Flushing Zone D2	207 4th Street (D2-4TH0207)	11-Jan-22	09:40	10:33	✓	□
Flushing Zone D2	209 4th Street (D2-4TH0209)	11-Jan-22	08:35	09:48	✓	□
Flushing Zone D2	210 4th Street (D2-4TH0210)	11-Jan-22	08:00	10:07	✓	□
Flushing Zone D2	211 4th Street (D2-4TH0211)	11-Jan-22	08:25	09:30	✓	□
Flushing Zone D2	213 4th Street (D2-4TH0213)	11-Jan-22	10:00	11:06	✓	□
Flushing Zone D2	201 4th Street (D2-4TH201A)	11-Jan-22	13:00	18:09	✓	□
Flushing Zone D2	201 4th Street (D2-4TH201B)	11-Jan-22	09:00	10:30	✓	□
Flushing Zone D2	202 4th Street (D2-4TH202A)	11-Jan-22	09:00	10:26	✓	□
Flushing Zone D2	202 4th Street (D2-4TH202B)	11-Jan-22	09:00	10:28	✓	□
Flushing Zone D2	206 4th Street (D2-4TH206A)	11-Jan-22	08:00	09:57	✓	□
Flushing Zone D2	206 4th Street (D2-4TH206B)	15-Jan-22	07:00	09:27	✓	□
Flushing Zone D2	208 4th Street (D2-4TH208A)	11-Jan-22	09:00	10:41	✓	□
Flushing Zone D2	208 4th Street (D2-4TH208B)	11-Jan-22	08:00	09:58	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	101 5th Street (D2-5TH0101)	11-Jan-22	14:50	15:59	<input checked="" type="checkbox"/>
Flushing Zone D2	103 5th Street (D2-5TH0103)	15-Jan-22	08:00	09:36	<input checked="" type="checkbox"/>
Flushing Zone D2	105 5th Street (D2-5TH0105)	11-Jan-22	14:50	16:01	<input checked="" type="checkbox"/>
Flushing Zone D2	107 5th Street (D2-5TH0107)	11-Jan-22	14:39	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	111 5th Street (D2-5TH0111)	11-Jan-22	13:50	15:47	<input checked="" type="checkbox"/>
Flushing Zone D2	112 5th Street (D2-5TH0112)	11-Jan-22	12:10	12:56	<input checked="" type="checkbox"/>
Flushing Zone D2	113 5th Street (D2-5TH0113)	11-Jan-22	13:50	15:59	<input checked="" type="checkbox"/>
Flushing Zone D2	114 5th Street (D2-5TH0114)	11-Jan-22	12:24	12:58	<input checked="" type="checkbox"/>
Flushing Zone D2	115 5th Street (D2-5TH0115)	11-Jan-22	13:50	15:47	<input checked="" type="checkbox"/>
Flushing Zone D2	116 5th Street (D2-5TH0116)	11-Jan-22	11:12	11:53	<input checked="" type="checkbox"/>
Flushing Zone D2	117 5th Street (D2-5TH0117)	11-Jan-22	13:50	15:46	<input checked="" type="checkbox"/>
Flushing Zone D2	118 5th Street (D2-5TH0118)	11-Jan-22	11:10	11:53	<input checked="" type="checkbox"/>
Flushing Zone D2	121 5th Street (D2-5TH0121)	11-Jan-22	14:45	16:01	<input checked="" type="checkbox"/>
Flushing Zone D2	122 5th Street (D2-5TH0122)	11-Jan-22	11:42	12:49	<input checked="" type="checkbox"/>
Flushing Zone D2	123 5th Street (D2-5TH0123)	11-Jan-22	17:22	18:04	<input checked="" type="checkbox"/>
Flushing Zone D2	124 5th Street (D2-5TH0124)	11-Jan-22	11:52	18:51	<input checked="" type="checkbox"/>
Flushing Zone D2	125 5th Street (D2-5TH0125)	10-Jan-22	14:30	16:08	<input checked="" type="checkbox"/>
Flushing Zone D2	126 5th Street (D2-5TH0126)	11-Jan-22	09:05	11:14	<input checked="" type="checkbox"/>
Flushing Zone D2	127 5th Street (D2-5TH0127)	11-Jan-22	16:16	08:46	<input checked="" type="checkbox"/>
Flushing Zone D2	128 5th Street (D2-5TH0128)	11-Jan-22	09:05	11:09	<input checked="" type="checkbox"/>
Flushing Zone D2	201 5th Street (D2-5TH0201)	11-Jan-22	08:06	16:59	<input checked="" type="checkbox"/>
Flushing Zone D2	206 5th Street (D2-5TH0206)	11-Jan-22	20:11	12:37	<input checked="" type="checkbox"/>
Flushing Zone D2	101 6th Street (D2-6TH0101)	11-Jan-22	13:04	14:49	<input checked="" type="checkbox"/>
Flushing Zone D2	103 6th Street (D2-6TH0103)	11-Jan-22	13:21	14:49	<input checked="" type="checkbox"/>
Flushing Zone D2	105 6th Street (D2-6TH0105)	11-Jan-22	11:49	13:01	<input checked="" type="checkbox"/>
Flushing Zone D2	107 6th Street (D2-6TH0107)	11-Jan-22	11:59	13:02	<input checked="" type="checkbox"/>
Flushing Zone D2	111 6th Street (D2-6TH0111)	11-Jan-22	09:54	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	113 6th Street (D2-6TH0113)	11-Jan-22	10:00	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	115 6th Street (D2-6TH0115)	11-Jan-22	09:55	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	117 6th Street (D2-6TH0117)	11-Jan-22	09:55	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	121 6th Street (D2-6TH0121)	11-Jan-22	12:00	14:09	<input checked="" type="checkbox"/>
Flushing Zone D2	123 6th Street (D2-6TH0123)	11-Jan-22	11:00	14:08	<input checked="" type="checkbox"/>
Flushing Zone D2	125 6th Street (D2-6TH0125)	11-Jan-22	09:00	12:05	<input checked="" type="checkbox"/>
Flushing Zone D2	127 6th Street (D2-6TH0127)	11-Jan-22	08:00	12:01	<input checked="" type="checkbox"/>
Flushing Zone D2	201 6th Street (D2-6TH0201)	11-Jan-22	08:00	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	202 6th Street (D2-6TH0202)	11-Jan-22	21:23	12:27	<input checked="" type="checkbox"/>
Flushing Zone D2	203 6th Street (D2-6TH0203)	11-Jan-22	08:46	11:08	<input checked="" type="checkbox"/>
Flushing Zone D2	204 6th Street (D2-6TH0204)	11-Jan-22	08:00	10:07	<input checked="" type="checkbox"/>
Flushing Zone D2	205 6th Street (D2-6TH0205)	11-Jan-22	10:55	13:23	<input checked="" type="checkbox"/>
Flushing Zone D2	206 6th Street (D2-6TH0206)	11-Jan-22	10:25	12:04	<input checked="" type="checkbox"/>
Flushing Zone D2	207 6th Street (D2-6TH0207)	11-Jan-22	08:12	11:15	<input checked="" type="checkbox"/>
Flushing Zone D2	208 6th Street (D2-6TH0208)	11-Jan-22	08:00	10:54	<input checked="" type="checkbox"/>
Flushing Zone D2	301 6th Street (D2-6TH0301)	11-Jan-22	07:57	10:21	<input checked="" type="checkbox"/>
Flushing Zone D2	302 6th Street (D2-6TH0302)	10-Jan-22	08:05	16:16	<input checked="" type="checkbox"/>
Flushing Zone D2	303 6th Street (D2-6TH0303)	11-Jan-22	09:25	10:58	<input checked="" type="checkbox"/>
Flushing Zone D2	304 6th Street (D2-6TH0304)	10-Jan-22	08:30	16:17	<input checked="" type="checkbox"/>
Flushing Zone D2	305 6th Street (D2-6TH0305)	11-Jan-22	11:55	13:09	<input checked="" type="checkbox"/>
Flushing Zone D2	201 7th Street (D2-7TH0201)	10-Jan-22	12:00	16:19	<input checked="" type="checkbox"/>
Flushing Zone D2	202 7th Street (D2-7TH0202)	10-Jan-22	10:00	16:40	<input checked="" type="checkbox"/>
Flushing Zone D2	203 7th Street (D2-7TH0203)	10-Jan-22	09:48	16:19	<input checked="" type="checkbox"/>
Flushing Zone D2	204 7th Street (D2-7TH0204)	10-Jan-22	13:15	16:21	<input checked="" type="checkbox"/>
Flushing Zone D2	205 7th Street (D2-7TH0205)	10-Jan-22	11:00	16:21	<input checked="" type="checkbox"/>
Flushing Zone D2	206 7th Street (D2-7TH0206)	10-Jan-22	11:58	16:22	<input checked="" type="checkbox"/>
Flushing Zone D2	207 7th Street (D2-7TH0207)	10-Jan-22	09:30	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	208 7th Street (D2-7TH0208)	10-Jan-22	08:38	16:24	<input checked="" type="checkbox"/>
Flushing Zone D2	201 8th Street (D2-8TH0201)	10-Jan-22	10:25	16:42	<input checked="" type="checkbox"/>
Flushing Zone D2	203 8th Street (D2-8TH0203)	10-Jan-22	11:35	12:03	<input checked="" type="checkbox"/>
Flushing Zone D2	205 8th Street (D2-8TH0205)	10-Jan-22	14:30	16:44	<input checked="" type="checkbox"/>
Flushing Zone D2	207 8th Street (D2-8TH0207)	10-Jan-22	11:35	16:43	<input checked="" type="checkbox"/>
Flushing Zone D2	301 8th Street (D2-8TH0301)	10-Jan-22	09:00	16:24	<input checked="" type="checkbox"/>
Flushing Zone D2	303 8th Street (D2-8TH0303)	10-Jan-22	10:45	16:26	<input checked="" type="checkbox"/>
Flushing Zone D2	202 9th Street (D2-9TH0202)	11-Jan-22	08:44	11:59	<input checked="" type="checkbox"/>
Flushing Zone D2	204 9th Street (D2-9TH0204)	11-Jan-22	09:45	12:08	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	206 9th Street (D2-9TH0206)	11-Jan-22	23:47	14:37	<input checked="" type="checkbox"/>
Flushing Zone D2	208 9th Street (D2-9TH0208)	11-Jan-22	12:42	14:28	<input checked="" type="checkbox"/>
Flushing Zone D2	212 9th Street (D2-9TH0212)	11-Jan-22	15:10	08:52	<input checked="" type="checkbox"/>
Flushing Zone D2	214 9th Street (D2-9TH0214)	11-Jan-22	13:14	14:25	<input checked="" type="checkbox"/>
Flushing Zone D2	302 9th Street (D2-9TH0302)	11-Jan-22	13:02	14:33	<input checked="" type="checkbox"/>
Flushing Zone D2	304 9th Street (D2-9TH0304)	11-Jan-22	13:04	14:30	<input checked="" type="checkbox"/>
Flushing Zone D2	306 9th Street (D2-9TH0306)	11-Jan-22	14:04	15:14	<input checked="" type="checkbox"/>
Flushing Zone D2	131 Aimokulani Alley (D2-AIM00131)	09-Jan-22	10:17	12:56	<input checked="" type="checkbox"/>
Flushing Zone D2	132 Aimokulani Alley (D2-AIM00132)	09-Jan-22	14:24	16:44	<input checked="" type="checkbox"/>
Flushing Zone D2	133 Aimokulani Alley (D2-AIM00133)	09-Jan-22	12:05	14:20	<input checked="" type="checkbox"/>
Flushing Zone D2	134 Aimokulani Alley (D2-AIM00134)	09-Jan-22	15:50	18:42	<input checked="" type="checkbox"/>
Flushing Zone D2	135 Aimokulani Alley (D2-AIM00135)	09-Jan-22	13:10	15:38	<input checked="" type="checkbox"/>
Flushing Zone D2	136 Aimokulani Alley (D2-AIM00136)	09-Jan-22	10:49	12:06	<input checked="" type="checkbox"/>
Flushing Zone D2	137 Aimokulani Alley (D2-AIM00137)	09-Jan-22	10:11	12:26	<input checked="" type="checkbox"/>
Flushing Zone D2	138 Aimokulani Alley (D2-AIM00138)	09-Jan-22	15:59	17:25	<input checked="" type="checkbox"/>
Flushing Zone D2	121 Apollo Avenue (D2-APOLO121)	09-Jan-22	16:38	16:38	<input checked="" type="checkbox"/>
Flushing Zone D2	122 Apollo Avenue (D2-APOLO122)	09-Jan-22	16:00	17:48	<input checked="" type="checkbox"/>
Flushing Zone D2	123 Apollo Avenue (D2-APOLO123)	10-Jan-22	14:21	17:39	<input checked="" type="checkbox"/>
Flushing Zone D2	124 Apollo Avenue (D2-APOLO124)	09-Jan-22	14:08	16:13	<input checked="" type="checkbox"/>
Flushing Zone D2	126 Apollo Avenue (D2-APOLO126)	09-Jan-22	15:18	17:03	<input checked="" type="checkbox"/>
Flushing Zone D2	128 Apollo Avenue (D2-APOLO128)	09-Jan-22	15:08	17:05	<input checked="" type="checkbox"/>
Flushing Zone D2	342 Apollo Avenue (D2-APOLO342)	09-Jan-22	12:55	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	344 Apollo Avenue (D2-APOLO344)	09-Jan-22	13:42	15:40	<input checked="" type="checkbox"/>
Flushing Zone D2	346 Apollo Avenue (D2-APOLO346)	09-Jan-22	10:19	13:31	<input checked="" type="checkbox"/>
Flushing Zone D2	348 Apollo Avenue (D2-APOLO348)	09-Jan-22	12:36	15:50	<input checked="" type="checkbox"/>
Flushing Zone D2	352 Apollo Avenue (D2-APOLO352)	09-Jan-22	14:00	17:16	<input checked="" type="checkbox"/>
Flushing Zone D2	354 Apollo Avenue (D2-APOLO354)	09-Jan-22	16:32	18:18	<input checked="" type="checkbox"/>
Flushing Zone D2	356 Apollo Avenue (D2-APOLO356)	10-Jan-22	13:24	16:07	<input checked="" type="checkbox"/>
Flushing Zone D2	358 Apollo Avenue (D2-APOLO358)	09-Jan-22	10:00	12:21	<input checked="" type="checkbox"/>
Flushing Zone D2	452 Apollo Avenue (D2-APOLO452)	09-Jan-22	12:00	13:54	<input checked="" type="checkbox"/>
Flushing Zone D2	454 Apollo Avenue (D2-APOLO454)	09-Jan-22	12:15	14:41	<input checked="" type="checkbox"/>
Flushing Zone D2	456 Apollo Avenue (D2-APOLO456)	09-Jan-22	13:56	17:40	<input checked="" type="checkbox"/>
Flushing Zone D2	458 Apollo Avenue (D2-APOLO458)	09-Jan-22	14:40	17:41	<input checked="" type="checkbox"/>
Flushing Zone D2	511 Apollo Avenue (D2-APOLO511)	09-Jan-22	10:28	16:22	<input checked="" type="checkbox"/>
Flushing Zone D2	513 Apollo Avenue (D2-APOLO513)	09-Jan-22	14:39	17:38	<input checked="" type="checkbox"/>
Flushing Zone D2	515 Apollo Avenue (D2-APOLO515)	09-Jan-22	10:32	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	517 Apollo Avenue (D2-APOLO517)	09-Jan-22	15:24	17:37	<input checked="" type="checkbox"/>
Flushing Zone D2	531 Apollo Avenue (D2-APOLO531)	10-Jan-22	15:00	17:04	<input checked="" type="checkbox"/>
Flushing Zone D2	533 Apollo Avenue (D2-APOLO533)	10-Jan-22	15:00	17:07	<input checked="" type="checkbox"/>
Flushing Zone D2	641 Apollo Avenue (D2-APOLO641)	10-Jan-22	15:30	17:48	<input checked="" type="checkbox"/>
Flushing Zone D2	643 Apollo Avenue (D2-APOLO643)	10-Jan-22	15:00	17:33	<input checked="" type="checkbox"/>
Flushing Zone D2	645 Apollo Avenue (D2-APOLO645)	10-Jan-22	16:00	17:41	<input checked="" type="checkbox"/>
Flushing Zone D2	647 Apollo Avenue (D2-APOLO647)	10-Jan-22	16:00	17:13	<input checked="" type="checkbox"/>
Flushing Zone D2	742 Apollo Avenue (D2-APOLO742)	10-Jan-22	16:00	17:41	<input checked="" type="checkbox"/>
Flushing Zone D2	744 Apollo Avenue (D2-APOLO744)	10-Jan-22	16:00	17:45	<input checked="" type="checkbox"/>
Flushing Zone D2	746 Apollo Avenue (D2-APOLO746)	10-Jan-22	16:00	17:46	<input checked="" type="checkbox"/>
Flushing Zone D2	748 Apollo Avenue (D2-APOLO748)	10-Jan-22	16:00	17:47	<input checked="" type="checkbox"/>
Flushing Zone D2	821 Apollo Avenue (D2-APOLO821)	10-Jan-22	15:25	16:59	<input checked="" type="checkbox"/>
Flushing Zone D2	822 Apollo Avenue (D2-APOLO822)	10-Jan-22	13:00	16:54	<input checked="" type="checkbox"/>
Flushing Zone D2	823 Apollo Avenue (D2-APOLO823)	10-Jan-22	15:20	16:35	<input checked="" type="checkbox"/>
Flushing Zone D2	824 Apollo Avenue (D2-APOLO824)	10-Jan-22	13:00	16:54	<input checked="" type="checkbox"/>
Flushing Zone D2	825 Apollo Avenue (D2-APOLO825)	10-Jan-22	15:30	16:33	<input checked="" type="checkbox"/>
Flushing Zone D2	826 Apollo Avenue (D2-APOLO826)	10-Jan-22	16:00	17:52	<input checked="" type="checkbox"/>
Flushing Zone D2	827 Apollo Avenue (D2-APOLO827)	10-Jan-22	15:00	16:21	<input checked="" type="checkbox"/>
Flushing Zone D2	828 Apollo Avenue (D2-APOLO828)	10-Jan-22	16:00	17:51	<input checked="" type="checkbox"/>
Flushing Zone D2	922 Apollo Avenue (D2-APOLO922)	10-Jan-22	08:14	10:29	<input checked="" type="checkbox"/>
Flushing Zone D2	924 Apollo Avenue (D2-APOLO924)	10-Jan-22	22:00	12:58	<input checked="" type="checkbox"/>
Flushing Zone D2	926 Apollo Avenue (D2-APOLO926)	10-Jan-22	12:00	13:20	<input checked="" type="checkbox"/>
Flushing Zone D2	928 Apollo Avenue (D2-APOLO928)	10-Jan-22	21:00	11:54	<input checked="" type="checkbox"/>
Flushing Zone D2	2 Baker Street (D2-BAKE0002)	11-Jan-22	10:00	12:21	<input checked="" type="checkbox"/>
Flushing Zone D2	4 Baker Street (D2-BAKE0004)	11-Jan-22	09:06	11:22	<input checked="" type="checkbox"/>
Flushing Zone D2	101 Beard Avenue (D2-BEAR0101)	11-Jan-22	12:00	13:38	<input checked="" type="checkbox"/>
Flushing Zone D2	102 Beard Avenue (D2-BEAR0102)	11-Jan-22	12:00	13:53	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	103 Beard Avenue (D2-BEAR0103)	11-Jan-22	14:00	17:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	104 Beard Avenue (D2-BEAR0104)	11-Jan-22	12:00	14:56	<input checked="" type="checkbox"/>	
Flushing Zone D2	105 Beard Avenue (D2-BEAR0105)	11-Jan-22	14:00	15:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	106 Beard Avenue (D2-BEAR0106)	11-Jan-22	12:12	13:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	107 Beard Avenue (D2-BEAR0107)	11-Jan-22	13:00	14:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	109 Beard Avenue (D2-BEAR0109)	11-Jan-22	12:51	14:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	111 Beard Avenue (D2-BEAR0111)	11-Jan-22	15:12	16:50	<input checked="" type="checkbox"/>	
Flushing Zone D2	113 Beard Avenue (D2-BEAR0113)	11-Jan-22	10:18	11:41	<input checked="" type="checkbox"/>	
Flushing Zone D2	115 Beard Avenue (D2-BEAR0115)	11-Jan-22	10:17	14:31	<input checked="" type="checkbox"/>	
Flushing Zone D2	201 Beard Avenue (D2-BEAR0201)	11-Jan-22	10:00	14:13	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 Beard Avenue (D2-BEAR0203)	11-Jan-22	11:00	14:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	204 Beard Avenue (D2-BEAR0204)	11-Jan-22	11:00	12:11	<input checked="" type="checkbox"/>	
Flushing Zone D2	205 Beard Avenue (D2-BEAR0205)	11-Jan-22	10:00	12:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	206 Beard Avenue (D2-BEAR0206)	11-Jan-22	10:00	11:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	207 Beard Avenue (D2-BEAR0207)	11-Jan-22	10:00	14:30	<input checked="" type="checkbox"/>	
Flushing Zone D2	209 Beard Avenue (D2-BEAR0209)	11-Jan-22	09:00	10:51	<input checked="" type="checkbox"/>	
Flushing Zone D2	211 Beard Avenue (D2-BEAR0211)	11-Jan-22	09:17	10:17	<input checked="" type="checkbox"/>	
Flushing Zone D2	213 Beard Avenue (D2-BEAR0213)	11-Jan-22	15:00	16:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	302 Beard Avenue (D2-BEAR0302)	11-Jan-22	08:00	10:19	<input checked="" type="checkbox"/>	
Flushing Zone D2	304 Beard Avenue (D2-BEAR0304)	11-Jan-22	08:00	09:51	<input checked="" type="checkbox"/>	
Flushing Zone D2	401 Beard Avenue (D2-BEAR0401)	11-Jan-22	11:14	12:32	<input checked="" type="checkbox"/>	
Flushing Zone D2	502 Beard Avenue (D2-BEAR0502)	11-Jan-22	08:00	10:33	<input checked="" type="checkbox"/>	
Flushing Zone D2	504 Beard Avenue (D2-BEAR0504)	11-Jan-22	10:17	11:54	<input checked="" type="checkbox"/>	
Flushing Zone D2	601 Beard Avenue (D2-BEAR0601)	09-Jan-22	16:00	18:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	602 Beard Avenue (D2-BEAR0602)	10-Jan-22	08:22	09:30	<input checked="" type="checkbox"/>	
Flushing Zone D2	603 Beard Avenue (D2-BEAR0603)	10-Jan-22	08:22	09:32	<input checked="" type="checkbox"/>	
Flushing Zone D2	701 Beard Avenue (D2-BEAR0701)	10-Jan-22	13:00	16:26	<input checked="" type="checkbox"/>	
Flushing Zone D2	702 Beard Avenue (D2-BEAR0702)	10-Jan-22	13:00	17:40	<input checked="" type="checkbox"/>	
Flushing Zone D2	703 Beard Avenue (D2-BEAR0703)	10-Jan-22	13:00	16:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	704 Beard Avenue (D2-BEAR0704)	15-Jan-22	07:00	07:54	<input checked="" type="checkbox"/>	
Flushing Zone D2	901 Beard Avenue (D2-BEAR0901)	11-Jan-22	13:27	15:18	<input checked="" type="checkbox"/>	
Flushing Zone D2	902 Beard Avenue (D2-BEAR0902)	11-Jan-22	13:30	15:31	<input checked="" type="checkbox"/>	
Flushing Zone D2	903 Beard Avenue (D2-BEAR0903)	11-Jan-22	13:00	14:23	<input checked="" type="checkbox"/>	
Flushing Zone D2	1001 Beard Avenue (D2-BEAR1001)	11-Jan-22	13:30	15:17	<input checked="" type="checkbox"/>	
Flushing Zone D2	1002 Beard Avenue (D2-BEAR1002)	11-Jan-22	12:45	14:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	1004 Beard Avenue (D2-BEAR1004)	11-Jan-22	12:45	14:03	<input checked="" type="checkbox"/>	
Flushing Zone D2	202 Beard Avenue (D2-BEAR202A)	11-Jan-22	12:00	13:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	202 Beard Avenue (D2-BEAR202B)	11-Jan-22	12:00	13:53	<input checked="" type="checkbox"/>	
Flushing Zone D2	403 Beard Avenue (D2-BEAR403A)	11-Jan-22	11:16	12:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	403 Beard Avenue (D2-BEAR403B)	11-Jan-22	10:00	08:00	<input checked="" type="checkbox"/>	Reason(s) Selected: Other Under construction. No flowing water. Flushing not conducted
Flushing Zone D2	405 Beard Avenue (D2-BEAR405A)	11-Jan-22	08:20	09:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	405 Beard Avenue (D2-BEAR405B)	11-Jan-22	09:37	11:09	<input checked="" type="checkbox"/>	
Flushing Zone D2	501 Beard Avenue (D2-BEAR501A)	11-Jan-22	08:05	10:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	501 Beard Avenue (D2-BEAR501B)	11-Jan-22	08:06	10:35	<input checked="" type="checkbox"/>	
Flushing Zone D2	503 Beard Avenue (D2-BEAR503A)	11-Jan-22	08:37	09:53	<input checked="" type="checkbox"/>	
Flushing Zone D2	503 Beard Avenue (D2-BEAR503B)	11-Jan-22	08:50	10:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	505 Beard Avenue (D2-BEAR505A)	11-Jan-22	08:00	10:14	<input checked="" type="checkbox"/>	
Flushing Zone D2	505 Beard Avenue (D2-BEAR505B)	11-Jan-22	08:00	10:04	<input checked="" type="checkbox"/>	
Flushing Zone D2	507 Beard Avenue (D2-BEAR507A)	11-Jan-22	08:06	09:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	507 Beard Avenue (D2-BEAR507B)	11-Jan-22	09:27	10:46	<input checked="" type="checkbox"/>	
Flushing Zone D2	302 Beedle Street (D2-BEED0302)	11-Jan-22	15:12	15:52	<input checked="" type="checkbox"/>	
Flushing Zone D2	304 Beedle Street (D2-BEED0304)	11-Jan-22	14:00	17:37	<input checked="" type="checkbox"/>	
Flushing Zone D2	306 Beedle Street (D2-BEED0306)	11-Jan-22	13:00	15:20	<input checked="" type="checkbox"/>	
Flushing Zone D2	201 Bond Circle (D2-BOND0201)	10-Jan-22	08:00	11:29	<input checked="" type="checkbox"/>	
Flushing Zone D2	202 Bond Circle (D2-BOND0202)	10-Jan-22	10:00	12:00	<input checked="" type="checkbox"/>	
Flushing Zone D2	203 Bond Circle (D2-BOND0203)	10-Jan-22	09:00	11:31	<input checked="" type="checkbox"/>	
Flushing Zone D2	204 Bond Circle (D2-BOND0204)	10-Jan-22	09:00	11:36	<input checked="" type="checkbox"/>	
Flushing Zone D2	205 Bond Circle (D2-BOND0205)	10-Jan-22	08:15	10:20	<input checked="" type="checkbox"/>	
Flushing Zone D2	206 Bond Circle (D2-BOND0206)	10-Jan-22	08:15	10:21	<input checked="" type="checkbox"/>	
Flushing Zone D2	207 Bond Circle (D2-BOND0207)	10-Jan-22	08:15	10:21	<input checked="" type="checkbox"/>	
Flushing Zone D2	208 Bond Circle (D2-BOND0208)	10-Jan-22	08:00	10:22	<input checked="" type="checkbox"/>	
Flushing Zone D2	209 Bond Circle (D2-BOND0209)	10-Jan-22	10:00	12:01	<input checked="" type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	211 Bond Circle (D2-BOND0211)	10-Jan-22	11:00	12:01	✓	□
Flushing Zone D2	401 Boquet Boulevard (D2-BOQU0401)	11-Jan-22	09:14	09:16	✓	□
Flushing Zone D2	402 Boquet Boulevard (D2-BOQU0402)	11-Jan-22	14:00	17:58	✓	□
Flushing Zone D2	403 Boquet Boulevard (D2-BOQU0403)	11-Jan-22	10:57	10:59	✓	□
Flushing Zone D2	501 Boquet Boulevard (D2-BOQU0501)	11-Jan-22	22:05	12:10	✓	□
Flushing Zone D2	503 Boquet Boulevard (D2-BOQU0503)	11-Jan-22	22:30	12:54	✓	□
Flushing Zone D2	504 Boquet Boulevard (D2-BOQU0504)	11-Jan-22	13:00	17:59	✓	□
Flushing Zone D2	506 Boquet Boulevard (D2-BOQU0506)	11-Jan-22	13:00	18:00	✓	□
Flushing Zone D2	601 Boquet Boulevard (D2-BOQU0601)	10-Jan-22	09:40	11:55	✓	□
Flushing Zone D2	203 Carlett Street (D2-CATL0203)	11-Jan-22	13:00	15:05	✓	□
Flushing Zone D2	2402 Challenger Loop (D2-CHAL2402A)	10-Jan-22	16:06	17:09	✓	□
Flushing Zone D2	2402 Challenger Loop (D2-CHAL2402B)	10-Jan-22	16:06	17:05	✓	□
Flushing Zone D2	2402 Challenger Loop (D2-CHAL2402C)	11-Jan-22	12:00	14:27	✓	□
Flushing Zone D2	2402 Challenger Loop (D2-CHAL2402D)	11-Jan-22	12:00	14:33	✓	□
Flushing Zone D2	2404 Challenger Loop (D2-CHAL2404A)	15-Jan-22	08:55	10:24	✓	□
Flushing Zone D2	2404 Challenger Loop (D2-CHAL2404B)	10-Jan-22	16:52	17:51	✓	□
Flushing Zone D2	2404 Challenger Loop (D2-CHAL2404C)	10-Jan-22	16:37	17:48	✓	□
Flushing Zone D2	2404 Challenger Loop (D2-CHAL2404D)	10-Jan-22	16:03	17:47	✓	□
Flushing Zone D2	2405 Challenger Loop (D2-CHAL2405A)	10-Jan-22	08:20	09:12	✓	□
Flushing Zone D2	2405 Challenger Loop (D2-CHAL2405B)	10-Jan-22	09:24	11:50	✓	□
Flushing Zone D2	2405 Challenger Loop (D2-CHAL2405C)	10-Jan-22	10:50	13:35	✓	□
Flushing Zone D2	2405 Challenger Loop (D2-CHAL2405D)	10-Jan-22	10:50	13:42	✓	□
Flushing Zone D2	2406 Challenger Loop (D2-CHAL2406A)	10-Jan-22	11:36	14:46	✓	□
Flushing Zone D2	2406 Challenger Loop (D2-CHAL2406B)	10-Jan-22	11:56	14:47	✓	□
Flushing Zone D2	2406 Challenger Loop (D2-CHAL2406C)	10-Jan-22	14:47	15:59	✓	□
Flushing Zone D2	2406 Challenger Loop (D2-CHAL2406D)	10-Jan-22	14:48	16:00	✓	□
Flushing Zone D2	2407 Challenger Loop (D2-CHAL2407A)	10-Jan-22	08:00	11:09	✓	□
Flushing Zone D2	2407 Challenger Loop (D2-CHAL2407B)	10-Jan-22	08:00	10:54	✓	□
Flushing Zone D2	2407 Challenger Loop (D2-CHAL2407C)	11-Jan-22	11:24	14:03	✓	□
Flushing Zone D2	2407 Challenger Loop (D2-CHAL2407D)	10-Jan-22	11:00	14:47	✓	□
Flushing Zone D2	2409 Challenger Loop (D2-CHAL2409A)	10-Jan-22	15:30	15:30	✓	□
Flushing Zone D2	2409 Challenger Loop (D2-CHAL2409B)	10-Jan-22	14:00	14:00	✓	□
Flushing Zone D2	2409 Challenger Loop (D2-CHAL2409C)	10-Jan-22	14:17	16:09	✓	□
Flushing Zone D2	2410 Challenger Loop (D2-CHAL2410A)	10-Jan-22	15:00	17:23	✓	□
Flushing Zone D2	2410 Challenger Loop (D2-CHAL2410B)	11-Jan-22	11:22	14:12	✓	□
Flushing Zone D2	2410 Challenger Loop (D2-CHAL2410C)	10-Jan-22	15:00	16:22	✓	□
Flushing Zone D2	2411 Challenger Loop (D2-CHAL2411A)	10-Jan-22	14:00	15:20	✓	□
Flushing Zone D2	2411 Challenger Loop (D2-CHAL2411B)	10-Jan-22	13:00	14:18	✓	□
Flushing Zone D2	2411 Challenger Loop (D2-CHAL2411C)	10-Jan-22	12:00	14:16	✓	□
Flushing Zone D2	2411 Challenger Loop (D2-CHAL2411D)	10-Jan-22	12:00	13:57	✓	□
Flushing Zone D2	2412 Challenger Loop (D2-CHAL2412A)	10-Jan-22	16:00	17:31	✓	□
Flushing Zone D2	2412 Challenger Loop (D2-CHAL2412B)	10-Jan-22	16:00	17:36	✓	□
Flushing Zone D2	2412 Challenger Loop (D2-CHAL2412C)	10-Jan-22	16:00	17:39	✓	□
Flushing Zone D2	2412 Challenger Loop (D2-CHAL2412D)	10-Jan-22	15:00	16:15	✓	□
Flushing Zone D2	2414 Challenger Loop (D2-CHAL2414A)	10-Jan-22	15:42	17:49	✓	□
Flushing Zone D2	2414 Challenger Loop (D2-CHAL2414B)	10-Jan-22	15:42	17:41	✓	□
Flushing Zone D2	2414 Challenger Loop (D2-CHAL2414C)	10-Jan-22	16:00	18:03	✓	□
Flushing Zone D2	2414 Challenger Loop (D2-CHAL2414D)	10-Jan-22	15:00	18:04	✓	□
Flushing Zone D2	2415 Challenger Loop (D2-CHAL2415A)	10-Jan-22	14:59	15:33	✓	□
Flushing Zone D2	2415 Challenger Loop (D2-CHAL2415B)	10-Jan-22	14:00	15:33	✓	□
Flushing Zone D2	2415 Challenger Loop (D2-CHAL2415C)	10-Jan-22	13:00	14:32	✓	□
Flushing Zone D2	2415 Challenger Loop (D2-CHAL2415D)	10-Jan-22	13:00	14:06	✓	□
Flushing Zone D2	2417 Challenger Loop (D2-CHAL2417A)	10-Jan-22	09:00	09:48	✓	□
Flushing Zone D2	2417 Challenger Loop (D2-CHAL2417B)	10-Jan-22	08:18	09:49	✓	□
Flushing Zone D2	2417 Challenger Loop (D2-CHAL2417C)	10-Jan-22	10:00	12:32	✓	□
Flushing Zone D2	2417 Challenger Loop (D2-CHAL2417D)	10-Jan-22	11:00	12:35	✓	□
Flushing Zone D2	2418 Challenger Loop (D2-CHAL2418A)	09-Jan-22	16:00	17:06	✓	□
Flushing Zone D2	2418 Challenger Loop (D2-CHAL2418B)	09-Jan-22	02:46	16:10	✓	□
Flushing Zone D2	2418 Challenger Loop (D2-CHAL2418C)	09-Jan-22	15:30	16:46	✓	□
Flushing Zone D2	2418 Challenger Loop (D2-CHAL2418D)	09-Jan-22	15:35	16:47	✓	□
Flushing Zone D2	2420 Challenger Loop (D2-CHAL2420A)	09-Jan-22	14:29	15:20	✓	□
Flushing Zone D2	2420 Challenger Loop (D2-CHAL2420B)	09-Jan-22	14:30	15:20	✓	□
Flushing Zone D2	2421 Challenger Loop (D2-CHAL2421A)	09-Jan-22	16:41	17:41	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	2421 Challenger Loop (D2-CHAL2421B)	10-Jan-22	10:00	14:12	<input checked="" type="checkbox"/>
Flushing Zone D2	2421 Challenger Loop (D2-CHAL2421C)	10-Jan-22	11:27	13:10	<input checked="" type="checkbox"/>
Flushing Zone D2	2421 Challenger Loop (D2-CHAL2421D)	10-Jan-22	22:00	11:25	<input checked="" type="checkbox"/>
Flushing Zone D2	2422 Challenger Loop (D2-CHAL2422A)	11-Jan-22	16:00	18:30	<input checked="" type="checkbox"/>
Flushing Zone D2	2422 Challenger Loop (D2-CHAL2422B)	09-Jan-22	13:00	14:18	<input checked="" type="checkbox"/>
Flushing Zone D2	2422 Challenger Loop (D2-CHAL2422C)	09-Jan-22	13:25	13:59	<input checked="" type="checkbox"/>
Flushing Zone D2	2422 Challenger Loop (D2-CHAL2422D)	09-Jan-22	13:25	14:41	<input checked="" type="checkbox"/>
Flushing Zone D2	2424 Challenger Loop (D2-CHAL2424A)	09-Jan-22	11:25	11:50	<input checked="" type="checkbox"/>
Flushing Zone D2	2424 Challenger Loop (D2-CHAL2424B)	09-Jan-22	11:20	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	2424 Challenger Loop (D2-CHAL2424C)	09-Jan-22	12:02	13:09	<input checked="" type="checkbox"/>
Flushing Zone D2	2424 Challenger Loop (D2-CHAL2424D)	09-Jan-22	12:02	13:09	<input checked="" type="checkbox"/>
Flushing Zone D2	2425 Challenger Loop (D2-CHAL2425A)	10-Jan-22	08:00	13:50	<input checked="" type="checkbox"/>
Flushing Zone D2	2425 Challenger Loop (D2-CHAL2425B)	09-Jan-22	11:00	12:28	<input checked="" type="checkbox"/>
Flushing Zone D2	2425 Challenger Loop (D2-CHAL2425C)	10-Jan-22	11:00	12:09	<input checked="" type="checkbox"/>
Flushing Zone D2	2425 Challenger Loop (D2-CHAL2425D)	10-Jan-22	10:00	13:53	<input checked="" type="checkbox"/>
Flushing Zone D2	2426 Challenger Loop (D2-CHAL2426A)	09-Jan-22	10:00	11:10	<input checked="" type="checkbox"/>
Flushing Zone D2	2426 Challenger Loop (D2-CHAL2426B)	09-Jan-22	15:00	13:43	<input checked="" type="checkbox"/>
Flushing Zone D2	2427 Challenger Loop (D2-CHAL2427A)	10-Jan-22	09:35	10:25	<input checked="" type="checkbox"/>
Flushing Zone D2	2427 Challenger Loop (D2-CHAL2427B)	10-Jan-22	09:36	10:30	<input checked="" type="checkbox"/>
Flushing Zone D2	2427 Challenger Loop (D2-CHAL2427C)	10-Jan-22	08:05	09:26	<input checked="" type="checkbox"/>
Flushing Zone D2	2427 Challenger Loop (D2-CHAL2427D)	10-Jan-22	08:21	09:27	<input checked="" type="checkbox"/>
Flushing Zone D2	2428 Challenger Loop (D2-CHAL2428A)	09-Jan-22	10:00	11:58	<input checked="" type="checkbox"/>
Flushing Zone D2	2428 Challenger Loop (D2-CHAL2428B)	09-Jan-22	10:00	11:53	<input checked="" type="checkbox"/>
Flushing Zone D2	2428 Challenger Loop (D2-CHAL2428C)	09-Jan-22	10:10	11:07	<input checked="" type="checkbox"/>
Flushing Zone D2	2428 Challenger Loop (D2-CHAL2428D)	09-Jan-22	10:10	11:09	<input checked="" type="checkbox"/>
Flushing Zone D2	2429 Challenger Loop (D2-CHAL2429A)	09-Jan-22	17:42	17:42	<input checked="" type="checkbox"/>
Flushing Zone D2	2429 Challenger Loop (D2-CHAL2429B)	09-Jan-22	17:02	17:04	<input checked="" type="checkbox"/>
Flushing Zone D2	2430 Challenger Loop (D2-CHAL2430A)	09-Jan-22	11:00	15:19	<input checked="" type="checkbox"/>
Flushing Zone D2	2430 Challenger Loop (D2-CHAL2430B)	09-Jan-22	13:00	14:08	<input checked="" type="checkbox"/>
Flushing Zone D2	2430 Challenger Loop (D2-CHAL2430C)	09-Jan-22	12:00	14:07	<input checked="" type="checkbox"/>
Flushing Zone D2	2430 Challenger Loop (D2-CHAL2430D)	09-Jan-22	11:00	14:06	<input checked="" type="checkbox"/>
Flushing Zone D2	2434 Challenger Loop (D2-CHAL2434A)	09-Jan-22	11:27	12:47	<input checked="" type="checkbox"/>
Flushing Zone D2	2434 Challenger Loop (D2-CHAL2434B)	09-Jan-22	11:15	12:24	<input checked="" type="checkbox"/>
Flushing Zone D2	2434 Challenger Loop (D2-CHAL2434C)	09-Jan-22	10:33	11:26	<input checked="" type="checkbox"/>
Flushing Zone D2	2434 Challenger Loop (D2-CHAL2434D)	09-Jan-22	10:24	11:15	<input checked="" type="checkbox"/>
Flushing Zone D2	2435 Challenger Loop (D2-CHAL2435A)	09-Jan-22	16:00	17:38	<input checked="" type="checkbox"/>
Flushing Zone D2	2435 Challenger Loop (D2-CHAL2435B)	09-Jan-22	16:00	16:58	<input checked="" type="checkbox"/>
Flushing Zone D2	2436 Challenger Loop (D2-CHAL2436A)	09-Jan-22	13:40	14:51	<input checked="" type="checkbox"/>
Flushing Zone D2	2436 Challenger Loop (D2-CHAL2436B)	09-Jan-22	13:38	14:22	<input checked="" type="checkbox"/>
Flushing Zone D2	2437 Challenger Loop (D2-CHAL2437A)	09-Jan-22	15:55	15:55	<input checked="" type="checkbox"/>
Flushing Zone D2	2437 Challenger Loop (D2-CHAL2437B)	09-Jan-22	15:52	15:56	<input checked="" type="checkbox"/>
Flushing Zone D2	2438 Challenger Loop (D2-CHAL2438A)	09-Jan-22	15:00	16:48	<input checked="" type="checkbox"/>
Flushing Zone D2	2438 Challenger Loop (D2-CHAL2438B)	09-Jan-22	15:00	16:50	<input checked="" type="checkbox"/>
Flushing Zone D2	1101 Comet Avenue (D2-CORN1101)	09-Jan-22	15:00	17:52	<input checked="" type="checkbox"/>
Flushing Zone D2	1103 Comet Avenue (D2-CORN1103)	09-Jan-22	10:00	17:54	<input checked="" type="checkbox"/>
Flushing Zone D2	1201 Comet Avenue (D2-CORN1201)	09-Jan-22	15:00	18:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1203 Comet Avenue (D2-CORN1203)	09-Jan-22	14:00	18:31	<input checked="" type="checkbox"/>
Flushing Zone D2	1205 Comet Avenue (D2-CORN1205)	15-Jan-22	07:00	08:49	<input checked="" type="checkbox"/>
Flushing Zone D2	1207 Comet Avenue (D2-CORN1207)	09-Jan-22	10:00	18:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1209 Comet Avenue (D2-CORN1209)	09-Jan-22	13:00	18:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1211 Comet Avenue (D2-CORN1211)	09-Jan-22	14:00	18:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1213 Comet Avenue (D2-CORN1213)	09-Jan-22	14:00	18:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1215 Comet Avenue (D2-CORN1215)	09-Jan-22	13:45	14:43	<input checked="" type="checkbox"/>
Flushing Zone D2	1217 Comet Avenue (D2-CORN1217)	09-Jan-22	14:00	18:21	<input checked="" type="checkbox"/>
Flushing Zone D2	1219 Comet Avenue (D2-CORN1219)	09-Jan-22	14:00	18:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1223 Comet Avenue (D2-CORN1223)	09-Jan-22	14:00	18:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1104 Fox Boulevard (D2-FOX81104)	10-Jan-22	14:22	14:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1106 Fox Boulevard (D2-FOX81106)	09-Jan-22	10:00	13:14	<input checked="" type="checkbox"/>
Flushing Zone D2	1108 Fox Boulevard (D2-FOX81108)	09-Jan-22	12:00	13:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1110 Fox Boulevard (D2-FOX81110)	09-Jan-22	11:00	13:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1112 Fox Boulevard (D2-FOX81112)	09-Jan-22	00:00	13:21	<input checked="" type="checkbox"/>
Flushing Zone D2	1114 Fox Boulevard (D2-FOX81114)	09-Jan-22	00:00	13:23	<input checked="" type="checkbox"/>
Flushing Zone D2	1116 Fox Boulevard (D2-FOX81116)	09-Jan-22	14:00	18:29	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	1118 Fox Boulevard (D2-FOX81118)	09-Jan-22	10:00	13:10	<input checked="" type="checkbox"/>
Flushing Zone D2	1120 Fox Boulevard (D2-FOX81120)	09-Jan-22	13:00	18:28	<input checked="" type="checkbox"/>
Flushing Zone D2	1122 Fox Boulevard (D2-FOX81122)	09-Jan-22	14:00	18:26	<input checked="" type="checkbox"/>
Flushing Zone D2	1201 Fox Boulevard (D2-FOX81201)	09-Jan-22	13:00	15:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1202 Fox Boulevard (D2-FOX81202)	09-Jan-22	00:00	15:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1203 Fox Boulevard (D2-FOX81203)	09-Jan-22	12:20	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1204 Fox Boulevard (D2-FOX81204)	09-Jan-22	13:00	18:26	<input checked="" type="checkbox"/>
Flushing Zone D2	1205 Fox Boulevard (D2-FOX81205)	09-Jan-22	12:00	15:03	<input checked="" type="checkbox"/>
Flushing Zone D2	1206 Fox Boulevard (D2-FOX81206)	09-Jan-22	14:00	18:25	<input checked="" type="checkbox"/>
Flushing Zone D2	1207 Fox Boulevard (D2-FOX81207)	09-Jan-22	10:13	11:55	<input checked="" type="checkbox"/>
Flushing Zone D2	1301 Fox Boulevard (D2-FOX81301)	09-Jan-22	12:40	15:44	<input checked="" type="checkbox"/>
Flushing Zone D2	1302 Fox Boulevard (D2-FOX81302)	09-Jan-22	23:15	13:37	<input checked="" type="checkbox"/>
Flushing Zone D2	1303 Fox Boulevard (D2-FOX81303)	09-Jan-22	15:00	16:37	<input checked="" type="checkbox"/>
Flushing Zone D2	1304 Fox Boulevard (D2-FOX81304)	09-Jan-22	13:45	15:21	<input checked="" type="checkbox"/>
Flushing Zone D2	1305 Fox Boulevard (D2-FOX81305)	09-Jan-22	12:20	13:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1401 Fox Boulevard (D2-FOX81401)	09-Jan-22	14:00	15:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1403 Fox Boulevard (D2-FOX81403)	09-Jan-22	13:00	09:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1405 Fox Boulevard (D2-FOX81405)	09-Jan-22	15:45	17:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1501 Fox Boulevard (D2-FOX81501)	09-Jan-22	15:00	16:30	<input checked="" type="checkbox"/>
Flushing Zone D2	1503 Fox Boulevard (D2-FOX81503)	09-Jan-22	15:20	17:03	<input checked="" type="checkbox"/>
Flushing Zone D2	1505 Fox Boulevard (D2-FOX81505)	09-Jan-22	13:44	15:33	<input checked="" type="checkbox"/>
Flushing Zone D2	1601 Fox Boulevard (D2-FOX81601)	10-Jan-22	08:00	09:46	<input checked="" type="checkbox"/>
Flushing Zone D2	1603 Fox Boulevard (D2-FOX81603)	09-Jan-22	16:45	18:06	<input checked="" type="checkbox"/>
Flushing Zone D2	1605 Fox Boulevard (D2-FOX81605)	09-Jan-22	16:25	17:18	<input checked="" type="checkbox"/>
Flushing Zone D2	1701 Fox Boulevard (D2-FOX81701)	10-Jan-22	10:00	09:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1702 Fox Boulevard (D2-FOX81702)	10-Jan-22	08:00	09:31	<input checked="" type="checkbox"/>
Flushing Zone D2	1703 Fox Boulevard (D2-FOX81703)	10-Jan-22	09:00	10:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1704 Fox Boulevard (D2-FOX81704)	10-Jan-22	08:02	09:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1705 Fox Boulevard (D2-FOX81705)	10-Jan-22	08:00	09:42	<input checked="" type="checkbox"/>
Flushing Zone D2	1707 Fox Boulevard (D2-FOX81707)	10-Jan-22	08:00	09:40	<input checked="" type="checkbox"/>
Flushing Zone D2	1709 Fox Boulevard (D2-FOX81709)	10-Jan-22	09:00	10:32	<input checked="" type="checkbox"/>
Flushing Zone D2	1711 Fox Boulevard (D2-FOX81711)	10-Jan-22	10:00	11:11	<input checked="" type="checkbox"/>
Flushing Zone D2	1713 Fox Boulevard (D2-FOX81713)	11-Jan-22	14:00	15:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1715 Fox Boulevard (D2-FOX81715)	11-Jan-22	12:00	13:04	<input checked="" type="checkbox"/>
Flushing Zone D2	1717 Fox Boulevard (D2-FOX81717)	10-Jan-22	10:00	11:47	<input checked="" type="checkbox"/>
Flushing Zone D2	1719 Fox Boulevard (D2-FOX81719)	11-Jan-22	15:50	16:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1721 Fox Boulevard (D2-FOX81721)	10-Jan-22	11:00	12:02	<input checked="" type="checkbox"/>
Flushing Zone D2	1723 Fox Boulevard (D2-FOX81723)	10-Jan-22	11:00	12:03	<input checked="" type="checkbox"/>
Flushing Zone D2	1801 Fox Boulevard (D2-FOX81801)	10-Jan-22	09:00	13:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1802 Fox Boulevard (D2-FOX81802)	10-Jan-22	08:00	09:55	<input checked="" type="checkbox"/>
Flushing Zone D2	1803 Fox Boulevard (D2-FOX81803)	10-Jan-22	09:00	13:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1804 Fox Boulevard (D2-FOX81804)	10-Jan-22	07:50	09:54	<input checked="" type="checkbox"/>
Flushing Zone D2	1805 Fox Boulevard (D2-FOX81805)	10-Jan-22	08:00	10:00	<input checked="" type="checkbox"/>
Flushing Zone D2	1806 Fox Boulevard (D2-FOX81806)	10-Jan-22	08:00	09:59	<input checked="" type="checkbox"/>
Flushing Zone D2	1807 Fox Boulevard (D2-FOX81807)	10-Jan-22	08:00	09:58	<input checked="" type="checkbox"/>
Flushing Zone D2	1808 Fox Boulevard (D2-FOX81808)	10-Jan-22	08:00	10:00	<input checked="" type="checkbox"/>
Flushing Zone D2	1809 Fox Boulevard (D2-FOX81809)	10-Jan-22	10:00	11:29	<input checked="" type="checkbox"/>
Flushing Zone D2	1811 Fox Boulevard (D2-FOX81811)	10-Jan-22	09:00	11:28	<input checked="" type="checkbox"/>
Flushing Zone D2	1813 Fox Boulevard (D2-FOX81813)	10-Jan-22	09:00	11:26	<input checked="" type="checkbox"/>
Flushing Zone D2	1815 Fox Boulevard (D2-FOX81815)	10-Jan-22	08:00	11:25	<input checked="" type="checkbox"/>
Flushing Zone D2	1817 Fox Boulevard (D2-FOX81817)	10-Jan-22	10:00	08:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1819 Fox Boulevard (D2-FOX81819)	10-Jan-22	10:00	08:25	<input checked="" type="checkbox"/>
Flushing Zone D2	1821 Fox Boulevard (D2-FOX81821)	10-Jan-22	09:00	08:26	<input checked="" type="checkbox"/>
Flushing Zone D2	1823 Fox Boulevard (D2-FOX81823)	10-Jan-22	10:00	08:27	<input checked="" type="checkbox"/>
Flushing Zone D2	1825 Fox Boulevard (D2-FOX81825)	10-Jan-22	09:26	11:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1827 Fox Boulevard (D2-FOX81827)	10-Jan-22	12:00	08:28	<input checked="" type="checkbox"/>
Flushing Zone D2	1829 Fox Boulevard (D2-FOX81829)	10-Jan-22	09:30	11:21	<input checked="" type="checkbox"/>
Flushing Zone D2	1831 Fox Boulevard (D2-FOX81831)	10-Jan-22	09:34	11:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1833 Fox Boulevard (D2-FOX81833)	10-Jan-22	09:40	11:14	<input checked="" type="checkbox"/>
Flushing Zone D2	1835 Fox Boulevard (D2-FOX81835)	10-Jan-22	09:40	11:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1837 Fox Boulevard (D2-FOX81837)	10-Jan-22	09:00	13:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1839 Fox Boulevard (D2-FOX81839)	10-Jan-22	09:25	13:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1841 Fox Boulevard (D2-FOX81841)	10-Jan-22	09:25	13:15	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	1843 Fox Boulevard (D2-FOX81843)	10-Jan-22	09:00	13:10	✓	□
Flushing Zone D2	1901 Fox Boulevard (D2-FOX81901)	10-Jan-22	13:00	15:14	✓	□
Flushing Zone D2	1902 Fox Boulevard (D2-FOX81902)	10-Jan-22	10:50	13:06	✓	□
Flushing Zone D2	1903 Fox Boulevard (D2-FOX81903)	10-Jan-22	13:00	15:16	✓	□
Flushing Zone D2	1904 Fox Boulevard (D2-FOX81904)	10-Jan-22	11:00	13:01	✓	□
Flushing Zone D2	1905 Fox Boulevard (D2-FOX81905)	10-Jan-22	13:00	15:10	✓	□
Flushing Zone D2	1906 Fox Boulevard (D2-FOX81906)	10-Jan-22	11:00	12:06	✓	□
Flushing Zone D2	1907 Fox Boulevard (D2-FOX81907)	10-Jan-22	12:00	15:11	✓	□
Flushing Zone D2	1908 Fox Boulevard (D2-FOX81908)	10-Jan-22	10:30	12:03	✓	□
Flushing Zone D2	1909 Fox Boulevard (D2-FOX81909)	10-Jan-22	10:00	09:21	✓	□
Flushing Zone D2	1910 Fox Boulevard (D2-FOX81910)	10-Jan-22	12:08	13:49	✓	□
Flushing Zone D2	1911 Fox Boulevard (D2-FOX81911)	10-Jan-22	13:00	14:26	✓	□
Flushing Zone D2	1912 Fox Boulevard (D2-FOX81912)	10-Jan-22	12:40	13:27	✓	□
Flushing Zone D2	1913 Fox Boulevard (D2-FOX81913)	10-Jan-22	12:00	14:11	✓	□
Flushing Zone D2	1914 Fox Boulevard (D2-FOX81914)	10-Jan-22	13:00	14:24	✓	□
Flushing Zone D2	1915 Fox Boulevard (D2-FOX81915)	10-Jan-22	12:00	14:10	✓	□
Flushing Zone D2	1916 Fox Boulevard (D2-FOX81916)	10-Jan-22	12:45	13:29	✓	□
Flushing Zone D2	1917 Fox Boulevard (D2-FOX81917)	10-Jan-22	12:00	13:27	✓	□
Flushing Zone D2	1918 Fox Boulevard (D2-FOX81918)	10-Jan-22	12:00	14:59	✓	□
Flushing Zone D2	1919 Fox Boulevard (D2-FOX81919)	10-Jan-22	11:00	13:27	✓	□
Flushing Zone D2	1920 Fox Boulevard (D2-FOX81920)	10-Jan-22	13:00	14:58	✓	□
Flushing Zone D2	1921 Fox Boulevard (D2-FOX81921)	10-Jan-22	12:00	14:13	✓	□
Flushing Zone D2	1922 Fox Boulevard (D2-FOX81922)	10-Jan-22	10:19	11:10	✓	□
Flushing Zone D2	1923 Fox Boulevard (D2-FOX81923)	10-Jan-22	12:00	14:17	✓	□
Flushing Zone D2	1924 Fox Boulevard (D2-FOX81924)	10-Jan-22	09:00	10:15	✓	□
Flushing Zone D2	1925 Fox Boulevard (D2-FOX81925)	10-Jan-22	10:00	09:22	✓	□
Flushing Zone D2	1926 Fox Boulevard (D2-FOX81926)	10-Jan-22	07:59	11:41	✓	□
Flushing Zone D2	1927 Fox Boulevard (D2-FOX81927)	10-Jan-22	08:00	09:07	✓	□
Flushing Zone D2	1928 Fox Boulevard (D2-FOX81928)	10-Jan-22	09:00	11:32	✓	□
Flushing Zone D2	1929 Fox Boulevard (D2-FOX81929)	10-Jan-22	13:00	17:33	✓	□
Flushing Zone D2	1930 Fox Boulevard (D2-FOX81930)	10-Jan-22	09:00	11:52	✓	□
Flushing Zone D2	1931 Fox Boulevard (D2-FOX81931)	10-Jan-22	14:00	15:13	✓	□
Flushing Zone D2	1932 Fox Boulevard (D2-FOX81932)	10-Jan-22	07:55	09:30	✓	□
Flushing Zone D2	1935 Fox Boulevard (D2-FOX81935)	10-Jan-22	09:32	15:09	✓	□
Flushing Zone D2	1937 Fox Boulevard (D2-FOX81937)	10-Jan-22	09:30	10:24	✓	□
Flushing Zone D2	2001 Fox Boulevard (D2-FOX82001)	09-Jan-22	11:35	12:37	✓	□
Flushing Zone D2	2002 Fox Boulevard (D2-FOX82002)	09-Jan-22	11:35	12:37	✓	□
Flushing Zone D2	2003 Fox Boulevard (D2-FOX82003)	09-Jan-22	10:20	11:49	✓	□
Flushing Zone D2	2004 Fox Boulevard (D2-FOX82004)	09-Jan-22	11:50	12:39	✓	□
Flushing Zone D2	2006 Fox Boulevard (D2-FOX82006)	09-Jan-22	12:43	13:45	✓	□
Flushing Zone D2	2007 Fox Boulevard (D2-FOX82007)	09-Jan-22	14:40	15:53	✓	□
Flushing Zone D2	2008 Fox Boulevard (D2-FOX82008)	09-Jan-22	14:24	15:13	✓	□
Flushing Zone D2	2009 Fox Boulevard (D2-FOX82009)	09-Jan-22	10:20	11:35	✓	□
Flushing Zone D2	2010 Fox Boulevard (D2-FOX82010)	09-Jan-22	12:00	13:34	✓	□
Flushing Zone D2	2011 Fox Boulevard (D2-FOX82011)	09-Jan-22	11:30	12:38	✓	□
Flushing Zone D2	2012 Fox Boulevard (D2-FOX82012)	09-Jan-22	11:00	13:16	✓	□
Flushing Zone D2	2013 Fox Boulevard (D2-FOX82013)	09-Jan-22	14:49	15:47	✓	□
Flushing Zone D2	2014 Fox Boulevard (D2-FOX82014)	09-Jan-22	11:43	14:12	✓	□
Flushing Zone D2	2015 Fox Boulevard (D2-FOX82015)	09-Jan-22	12:39	13:53	✓	□
Flushing Zone D2	2016 Fox Boulevard (D2-FOX82016)	09-Jan-22	10:50	14:13	✓	□
Flushing Zone D2	2017 Fox Boulevard (D2-FOX82017)	09-Jan-22	14:12	15:21	✓	□
Flushing Zone D2	2019 Fox Boulevard (D2-FOX82019)	09-Jan-22	10:50	12:40	✓	□
Flushing Zone D2	2021 Fox Boulevard (D2-FOX82021)	09-Jan-22	12:00	13:21	✓	□
Flushing Zone D2	2023 Fox Boulevard (D2-FOX82023)	09-Jan-22	10:00	13:11	✓	□
Flushing Zone D2	2025 Fox Boulevard (D2-FOX82025)	09-Jan-22	10:00	13:15	✓	□
Flushing Zone D2	2027 Fox Boulevard (D2-FOX82027)	09-Jan-22	10:20	13:01	✓	□
Flushing Zone D2	2029 Fox Boulevard (D2-FOX82029)	09-Jan-22	10:00	16:20	✓	□
Flushing Zone D2	2031 Fox Boulevard (D2-FOX82031)	09-Jan-22	10:30	13:00	✓	□
Flushing Zone D2	2033 Fox Boulevard (D2-FOX82033)	09-Jan-22	10:30	13:02	✓	□
Flushing Zone D2	301 Gemini Avenue (D2-GE MID301)	11-Jan-22	12:52	16:55	✓	□
Flushing Zone D2	302 Gemini Avenue (D2-GE MID302)	09-Jan-22	14:43	15:51	✓	□
Flushing Zone D2	303 Gemini Avenue (D2-GE MID303)	09-Jan-22	16:00	17:54	✓	□
Flushing Zone D2	304 Gemini Avenue (D2-GE MID304)	09-Jan-22	15:49	16:28	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	305 Gemini Avenue (D2-GEIM0305)	09-Jan-22	16:30	17:32	<input checked="" type="checkbox"/>
Flushing Zone D2	306 Gemini Avenue (D2-GEIM0306)	09-Jan-22	16:10	17:01	<input checked="" type="checkbox"/>
Flushing Zone D2	307 Gemini Avenue (D2-GEIM0307)	09-Jan-22	13:02	15:10	<input checked="" type="checkbox"/>
Flushing Zone D2	308 Gemini Avenue (D2-GEIM0308)	09-Jan-22	16:50	17:34	<input checked="" type="checkbox"/>
Flushing Zone D2	312 Gemini Avenue (D2-GEIM0312)	11-Jan-22	09:57	12:51	<input checked="" type="checkbox"/>
Flushing Zone D2	314 Gemini Avenue (D2-GEIM0314)	11-Jan-22	08:42	12:46	<input checked="" type="checkbox"/>
Flushing Zone D2	316 Gemini Avenue (D2-GEIM0316)	11-Jan-22	09:00	12:46	<input checked="" type="checkbox"/>
Flushing Zone D2	318 Gemini Avenue (D2-GEIM0318)	11-Jan-22	11:44	13:17	<input checked="" type="checkbox"/>
Flushing Zone D2	611 Gemini Avenue (D2-GEIM0611)	10-Jan-22	14:13	16:48	<input checked="" type="checkbox"/>
Flushing Zone D2	613 Gemini Avenue (D2-GEIM0613)	10-Jan-22	14:23	16:47	<input checked="" type="checkbox"/>
Flushing Zone D2	615 Gemini Avenue (D2-GEIM0615)	10-Jan-22	15:33	11:13	<input checked="" type="checkbox"/>
Flushing Zone D2	617 Gemini Avenue (D2-GEIM0617)	10-Jan-22	15:17	16:21	<input checked="" type="checkbox"/>
Flushing Zone D2	711 Gemini Avenue (D2-GEIM0711)	10-Jan-22	09:04	11:30	<input checked="" type="checkbox"/>
Flushing Zone D2	713 Gemini Avenue (D2-GEIM0713)	10-Jan-22	08:24	11:22	<input checked="" type="checkbox"/>
Flushing Zone D2	715 Gemini Avenue (D2-GEIM0715)	10-Jan-22	11:39	14:01	<input checked="" type="checkbox"/>
Flushing Zone D2	717 Gemini Avenue (D2-GEIM0717)	10-Jan-22	11:38	14:00	<input checked="" type="checkbox"/>
Flushing Zone D2	1702 Harmon Avenue (D2-HARM1702)	11-Jan-22	07:55	12:02	<input checked="" type="checkbox"/>
Flushing Zone D2	1703 Harmon Avenue (D2-HARM1703)	10-Jan-22	13:20	15:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1704 Harmon Avenue (D2-HARM1704)	10-Jan-22	13:20	15:18	<input checked="" type="checkbox"/>
Flushing Zone D2	1705 Harmon Avenue (D2-HARM1705)	10-Jan-22	13:38	14:54	<input checked="" type="checkbox"/>
Flushing Zone D2	1706 Harmon Avenue (D2-HARM1706)	10-Jan-22	13:09	14:51	<input checked="" type="checkbox"/>
Flushing Zone D2	1707 Harmon Avenue (D2-HARM1707)	10-Jan-22	13:55	15:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1708 Harmon Avenue (D2-HARM1708)	10-Jan-22	13:09	14:35	<input checked="" type="checkbox"/>
Flushing Zone D2	1709 Harmon Avenue (D2-HARM1709)	11-Jan-22	07:55	12:40	<input checked="" type="checkbox"/>
Flushing Zone D2	901 Hoaano Alley (D2-HOAA0901)	10-Jan-22	15:20	17:11	<input checked="" type="checkbox"/>
Flushing Zone D2	902 Hoaano Alley (D2-HOAA0902)	10-Jan-22	16:16	17:39	<input checked="" type="checkbox"/>
Flushing Zone D2	903 Hoaano Alley (D2-HOAA0903)	10-Jan-22	15:20	17:14	<input checked="" type="checkbox"/>
Flushing Zone D2	904 Hoaano Alley (D2-HOAA0904)	10-Jan-22	15:00	15:43	<input checked="" type="checkbox"/>
Flushing Zone D2	905 Hoaano Alley (D2-HOAA0905)	10-Jan-22	15:10	17:13	<input checked="" type="checkbox"/>
Flushing Zone D2	906 Hoaano Alley (D2-HOAA0906)	10-Jan-22	15:00	17:10	<input checked="" type="checkbox"/>
Flushing Zone D2	907 Hoaano Alley (D2-HOAA0907)	10-Jan-22	15:00	15:46	<input checked="" type="checkbox"/>
Flushing Zone D2	908 Hoaano Alley (D2-HOAA0908)	10-Jan-22	15:06	17:29	<input checked="" type="checkbox"/>
Flushing Zone D2	111 Honu Alley (D2-HONU0111)	09-Jan-22	10:37	11:41	<input checked="" type="checkbox"/>
Flushing Zone D2	112 Honu Alley (D2-HONU0112)	09-Jan-22	14:58	15:40	<input checked="" type="checkbox"/>
Flushing Zone D2	113 Honu Alley (D2-HONU0113)	09-Jan-22	11:44	13:36	<input checked="" type="checkbox"/>
Flushing Zone D2	114 Honu Alley (D2-HONU0114)	09-Jan-22	13:52	17:50	<input checked="" type="checkbox"/>
Flushing Zone D2	115 Honu Alley (D2-HONU0115)	09-Jan-22	13:39	14:38	<input checked="" type="checkbox"/>
Flushing Zone D2	116 Honu Alley (D2-HONU0116)	09-Jan-22	15:47	16:43	<input checked="" type="checkbox"/>
Flushing Zone D2	117 Honu Alley (D2-HONU0117)	09-Jan-22	14:28	15:44	<input checked="" type="checkbox"/>
Flushing Zone D2	118 Honu Alley (D2-HONU0118)	09-Jan-22	15:46	16:44	<input checked="" type="checkbox"/>
Flushing Zone D2	701 Hoolaulima Alley (D2-HOOL0701)	10-Jan-22	08:26	11:39	<input checked="" type="checkbox"/>
Flushing Zone D2	702 Hoolaulima Alley (D2-HOOL0702)	10-Jan-22	12:39	14:37	<input checked="" type="checkbox"/>
Flushing Zone D2	703 Hoolaulima Alley (D2-HOOL0703)	10-Jan-22	08:00	11:40	<input checked="" type="checkbox"/>
Flushing Zone D2	704 Hoolaulima Alley (D2-HOOL0704)	10-Jan-22	12:39	07:56	<input checked="" type="checkbox"/>
Flushing Zone D2	705 Hoolaulima Alley (D2-HOOL0705)	10-Jan-22	08:31	11:40	<input checked="" type="checkbox"/>
Flushing Zone D2	706 Hoolaulima Alley (D2-HOOL0706)	10-Jan-22	12:40	14:36	<input checked="" type="checkbox"/>
Flushing Zone D2	707 Hoolaulima Alley (D2-HOOL0707)	10-Jan-22	06:31	11:39	<input checked="" type="checkbox"/>
Flushing Zone D2	708 Hoolaulima Alley (D2-HOOL0708)	10-Jan-22	12:40	14:36	<input checked="" type="checkbox"/>
Flushing Zone D2	911 Hoopiana Alley (D2-HOOP0911)	10-Jan-22	08:27	09:16	<input checked="" type="checkbox"/>
Flushing Zone D2	912 Hoopiana Alley (D2-HOOP0912)	10-Jan-22	08:00	12:10	<input checked="" type="checkbox"/>
Flushing Zone D2	913 Hoopiana Alley (D2-HOOP0913)	10-Jan-22	08:43	09:59	<input checked="" type="checkbox"/>
Flushing Zone D2	914 Hoopiana Alley (D2-HOOP0914)	10-Jan-22	08:35	12:11	<input checked="" type="checkbox"/>
Flushing Zone D2	915 Hoopiana Alley (D2-HOOP0915)	10-Jan-22	09:20	10:29	<input checked="" type="checkbox"/>
Flushing Zone D2	916 Hoopiana Alley (D2-HOOP0916)	10-Jan-22	11:30	13:26	<input checked="" type="checkbox"/>
Flushing Zone D2	917 Hoopiana Alley (D2-HOOP0917)	10-Jan-22	10:08	10:48	<input checked="" type="checkbox"/>
Flushing Zone D2	918 Hoopiana Alley (D2-HOOP0918)	10-Jan-22	11:00	12:27	<input checked="" type="checkbox"/>
Flushing Zone D2	341 Hulanui Alley (D2-HUL0341)	09-Jan-22	10:00	13:41	<input checked="" type="checkbox"/>
Flushing Zone D2	343 Hulanui Alley (D2-HUL0343)	09-Jan-22	11:42	14:57	<input checked="" type="checkbox"/>
Flushing Zone D2	345 Hulanui Alley (D2-HUL0345)	09-Jan-22	14:58	17:50	<input checked="" type="checkbox"/>
Flushing Zone D2	347 Hulanui Alley (D2-HUL0347)	09-Jan-22	16:00	17:46	<input checked="" type="checkbox"/>
Flushing Zone D2	4 Julian Avenue (D2-JUL0004)	11-Jan-22	11:00	12:48	<input checked="" type="checkbox"/>
Flushing Zone D2	11 Julian Avenue (D2-JUL0011)	10-Jan-22	13:00	16:45	<input checked="" type="checkbox"/>
Flushing Zone D2	13 Julian Avenue (D2-JUL0013)	11-Jan-22	08:00	10:00	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	14 Julian Avenue (D2-JUL0014)	11-Jan-22	08:00	09:02	<input checked="" type="checkbox"/>
Flushing Zone D2	15 Julian Avenue (D2-JUL0015)	11-Jan-22	09:00	11:35	<input checked="" type="checkbox"/>
Flushing Zone D2	17 Julian Avenue (D2-JUL0017)	11-Jan-22	07:00	09:48	<input checked="" type="checkbox"/>
Flushing Zone D2	19 Julian Avenue (D2-JUL0019)	10-Jan-22	12:45	16:46	<input checked="" type="checkbox"/>
Flushing Zone D2	21 Julian Avenue (D2-JUL0021)	11-Jan-22	09:00	11:01	<input checked="" type="checkbox"/>
Flushing Zone D2	23 Julian Avenue (D2-JUL0023)	11-Jan-22	09:00	14:42	<input checked="" type="checkbox"/>
Flushing Zone D2	101 Julian Avenue (D2-JUL0101)	11-Jan-22	08:00	10:40	<input checked="" type="checkbox"/>
Flushing Zone D2	102 Julian Avenue (D2-JUL0102)	11-Jan-22	14:32	14:36	<input checked="" type="checkbox"/>
Flushing Zone D2	104 Julian Avenue (D2-JUL0104)	11-Jan-22	14:36	14:41	<input checked="" type="checkbox"/>
Flushing Zone D2	105 Julian Avenue (D2-JUL0105)	11-Jan-22	11:00	13:21	<input checked="" type="checkbox"/>
Flushing Zone D2	106 Julian Avenue (D2-JUL0106)	11-Jan-22	14:42	14:48	<input checked="" type="checkbox"/>
Flushing Zone D2	107 Julian Avenue (D2-JUL0107)	11-Jan-22	11:31	14:06	<input checked="" type="checkbox"/>
Flushing Zone D2	108 Julian Avenue (D2-JUL0108)	11-Jan-22	13:58	13:59	<input checked="" type="checkbox"/>
Flushing Zone D2	109 Julian Avenue (D2-JUL0109)	11-Jan-22	11:40	13:53	<input checked="" type="checkbox"/>
Flushing Zone D2	110 Julian Avenue (D2-JUL0110)	11-Jan-22	13:59	14:02	<input checked="" type="checkbox"/>
Flushing Zone D2	111 Julian Avenue (D2-JUL0111)	11-Jan-22	12:00	14:20	<input checked="" type="checkbox"/>
Flushing Zone D2	112 Julian Avenue (D2-JUL0112)	11-Jan-22	14:06	14:09	<input checked="" type="checkbox"/>
Flushing Zone D2	114 Julian Avenue (D2-JUL0114)	11-Jan-22	14:14	15:15	<input checked="" type="checkbox"/>
Flushing Zone D2	115 Julian Avenue (D2-JUL0115)	11-Jan-22	14:15	14:17	<input checked="" type="checkbox"/>
Flushing Zone D2	116 Julian Avenue (D2-JUL0116)	11-Jan-22	14:17	14:21	<input checked="" type="checkbox"/>
Flushing Zone D2	117 Julian Avenue (D2-JUL0117)	11-Jan-22	14:22	14:27	<input checked="" type="checkbox"/>
Flushing Zone D2	202 Julian Avenue (D2-JUL0202)	11-Jan-22	08:31	09:03	<input checked="" type="checkbox"/>
Flushing Zone D2	204 Julian Avenue (D2-JUL0204)	11-Jan-22	09:03	09:53	<input checked="" type="checkbox"/>
Flushing Zone D2	206 Julian Avenue (D2-JUL0206)	11-Jan-22	08:00	10:02	<input checked="" type="checkbox"/>
Flushing Zone D2	301 Julian Avenue (D2-JUL0301)	15-Jan-22	07:00	07:50	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Julian Avenue (D2-JUL0302)	11-Jan-22	07:53	09:26	<input checked="" type="checkbox"/>
Flushing Zone D2	305 Julian Avenue (D2-JUL0305)	11-Jan-22	10:33	11:54	<input checked="" type="checkbox"/>
Flushing Zone D2	307 Julian Avenue (D2-JUL0307)	11-Jan-22	10:44	11:56	<input checked="" type="checkbox"/>
Flushing Zone D2	309 Julian Avenue (D2-JUL0309)	11-Jan-22	10:00	11:20	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Julian Avenue (D2-JUL0401)	11-Jan-22	07:58	09:47	<input checked="" type="checkbox"/>
Flushing Zone D2	402 Julian Avenue (D2-JUL0402)	11-Jan-22	09:49	11:04	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Julian Avenue (D2-JUL0403)	10-Jan-22	12:00	16:47	<input checked="" type="checkbox"/>
Flushing Zone D2	404 Julian Avenue (D2-JUL0404)	11-Jan-22	11:04	12:05	<input checked="" type="checkbox"/>
Flushing Zone D2	405 Julian Avenue (D2-JUL0405)	11-Jan-22	10:53	12:25	<input checked="" type="checkbox"/>
Flushing Zone D2	407 Julian Avenue (D2-JUL0407)	11-Jan-22	08:01	10:25	<input checked="" type="checkbox"/>
Flushing Zone D2	409 Julian Avenue (D2-JUL0409)	11-Jan-22	09:00	11:26	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Julian Avenue (D2-JUL0502)	11-Jan-22	08:32	10:40	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Julian Avenue (D2-JUL0504)	11-Jan-22	08:00	09:17	<input checked="" type="checkbox"/>
Flushing Zone D2	505 Julian Avenue (D2-JUL0505)	11-Jan-22	08:05	09:52	<input checked="" type="checkbox"/>
Flushing Zone D2	506 Julian Avenue (D2-JUL0506)	11-Jan-22	08:45	10:00	<input checked="" type="checkbox"/>
Flushing Zone D2	507 Julian Avenue (D2-JUL0507)	11-Jan-22	08:17	11:09	<input checked="" type="checkbox"/>
Flushing Zone D2	508 Julian Avenue (D2-JUL0508)	15-Jan-22	07:38	08:57	<input checked="" type="checkbox"/>
Flushing Zone D2	509 Julian Avenue (D2-JUL0509)	11-Jan-22	08:00	11:11	<input checked="" type="checkbox"/>
Flushing Zone D2	510 Julian Avenue (D2-JUL0510)	11-Jan-22	10:11	12:23	<input checked="" type="checkbox"/>
Flushing Zone D2	511 Julian Avenue (D2-JUL0511)	11-Jan-22	09:45	11:38	<input checked="" type="checkbox"/>
Flushing Zone D2	512 Julian Avenue (D2-JUL0512)	11-Jan-22	10:22	12:16	<input checked="" type="checkbox"/>
Flushing Zone D2	513 Julian Avenue (D2-JUL0513)	11-Jan-22	10:10	12:00	<input checked="" type="checkbox"/>
Flushing Zone D2	601 Julian Avenue (D2-JUL0601)	10-Jan-22	14:00	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	602 Julian Avenue (D2-JUL0602)	10-Jan-22	08:27	10:11	<input checked="" type="checkbox"/>
Flushing Zone D2	603 Julian Avenue (D2-JUL0603)	10-Jan-22	10:00	16:28	<input checked="" type="checkbox"/>
Flushing Zone D2	604 Julian Avenue (D2-JUL0604)	10-Jan-22	10:30	16:29	<input checked="" type="checkbox"/>
Flushing Zone D2	605 Julian Avenue (D2-JUL0605)	10-Jan-22	09:50	10:26	<input checked="" type="checkbox"/>
Flushing Zone D2	702 Julian Avenue (D2-JUL0702)	10-Jan-22	14:30	16:30	<input checked="" type="checkbox"/>
Flushing Zone D2	704 Julian Avenue (D2-JUL0704)	10-Jan-22	14:30	16:31	<input checked="" type="checkbox"/>
Flushing Zone D2	607 Julian Way (D2-JUL0607)	10-Jan-22	14:30	16:32	<input checked="" type="checkbox"/>
Flushing Zone D2	609 Julian Way (D2-JUL0609)	10-Jan-22	14:55	16:34	<input checked="" type="checkbox"/>
Flushing Zone D2	611 Julian Way (D2-JUL0611)	10-Jan-22	14:30	16:34	<input checked="" type="checkbox"/>
Flushing Zone D2	613 Julian Way (D2-JUL0613)	10-Jan-22	14:30	16:36	<input checked="" type="checkbox"/>
Flushing Zone D2	831 Kahulani Alley (D2-KAHU0831)	11-Jan-22	14:55	17:14	<input checked="" type="checkbox"/>
Flushing Zone D2	833 Kahulani Alley (D2-KAHU0833)	10-Jan-22	15:50	17:02	<input checked="" type="checkbox"/>
Flushing Zone D2	835 Kahulani Alley (D2-KAHU0835)	10-Jan-22	16:20	17:58	<input checked="" type="checkbox"/>
Flushing Zone D2	837 Kahulani Alley (D2-KAHU0837)	10-Jan-22	16:00	18:09	<input checked="" type="checkbox"/>
Flushing Zone D2	442 Kaikahu Alley (D2-KAIK0442)	10-Jan-22	08:24	15:11	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	444 Kaikahu Alley (D2-KAIK0444)	10-Jan-22	10:11	12:56	<input checked="" type="checkbox"/>
Flushing Zone D2	446 Kaikahu Alley (D2-KAIK0446)	10-Jan-22	08:30	13:09	<input checked="" type="checkbox"/>
Flushing Zone D2	448 Kaikahu Alley (D2-KAIK0448)	10-Jan-22	13:09	14:51	<input checked="" type="checkbox"/>
Flushing Zone D2	101 Kamakaaina Alley (D2-KAMA0101)	09-Jan-22	16:31	08:10	<input checked="" type="checkbox"/>
Flushing Zone D2	102 Kamakaaina Alley (D2-KAMA0102)	09-Jan-22	16:09	17:21	<input checked="" type="checkbox"/>
Flushing Zone D2	103 Kamakaaina Alley (D2-KAMA0103)	09-Jan-22	16:18	17:45	<input checked="" type="checkbox"/>
Flushing Zone D2	104 Kamakaaina Alley (D2-KAMA0104)	09-Jan-22	16:19	17:21	<input checked="" type="checkbox"/>
Flushing Zone D2	105 Kamakaaina Alley (D2-KAMA0105)	09-Jan-22	14:25	15:39	<input checked="" type="checkbox"/>
Flushing Zone D2	106 Kamakaaina Alley (D2-KAMA0106)	09-Jan-22	13:19	14:21	<input checked="" type="checkbox"/>
Flushing Zone D2	107 Kamakaaina Alley (D2-KAMA0107)	09-Jan-22	12:59	14:19	<input checked="" type="checkbox"/>
Flushing Zone D2	108 Kamakaaina Alley (D2-KAMA0108)	09-Jan-22	14:20	15:30	<input checked="" type="checkbox"/>
Flushing Zone D2	421 Kamakaoa Alley (D2-KAMA0421)	10-Jan-22	15:01	16:42	<input checked="" type="checkbox"/>
Flushing Zone D2	422 Kamakaoa Alley (D2-KAMA0422)	10-Jan-22	04:50	18:02	<input checked="" type="checkbox"/>
Flushing Zone D2	423 Kamakaoa Alley (D2-KAMA0423)	10-Jan-22	15:00	16:42	<input checked="" type="checkbox"/>
Flushing Zone D2	424 Kamakaoa Alley (D2-KAMA0424)	10-Jan-22	04:50	17:52	<input checked="" type="checkbox"/>
Flushing Zone D2	425 Kamakaoa Alley (D2-KAMA0425)	10-Jan-22	14:58	17:14	<input checked="" type="checkbox"/>
Flushing Zone D2	426 Kamakaoa Alley (D2-KAMA0426)	10-Jan-22	04:50	07:53	<input checked="" type="checkbox"/>
Flushing Zone D2	427 Kamakaoa Alley (D2-KAMA0427)	10-Jan-22	14:52	16:43	<input checked="" type="checkbox"/>
Flushing Zone D2	428 Kamakaoa Alley (D2-KAMA0428)	10-Jan-22	04:50	17:59	<input checked="" type="checkbox"/>
Flushing Zone D2	631 Kaulenaoale Alley (D2-KAUW0631)	10-Jan-22	15:00	16:41	<input checked="" type="checkbox"/>
Flushing Zone D2	633 Kaulenaoale Alley (D2-KAUW0633)	10-Jan-22	15:00	17:36	<input checked="" type="checkbox"/>
Flushing Zone D2	635 Kaulenaoale Alley (D2-KAUW0635)	10-Jan-22	16:00	17:16	<input checked="" type="checkbox"/>
Flushing Zone D2	637 Kaulenaoale Alley (D2-KAUW0637)	10-Jan-22	15:00	17:16	<input checked="" type="checkbox"/>
Flushing Zone D2	521 Kawehiwehi Street (D2-KAWE0521)	09-Jan-22	10:30	12:23	<input checked="" type="checkbox"/>
Flushing Zone D2	523 Kawehiwehi Street (D2-KAWE0523)	09-Jan-22	22:30	15:13	<input checked="" type="checkbox"/>
Flushing Zone D2	524 Kawehiwehi Street (D2-KAWE0524)	09-Jan-22	15:30	17:51	<input checked="" type="checkbox"/>
Flushing Zone D2	525 Kawehiwehi Street (D2-KAWE0525)	09-Jan-22	12:30	15:28	<input checked="" type="checkbox"/>
Flushing Zone D2	526 Kawehiwehi Street (D2-KAWE0526)	09-Jan-22	14:15	15:43	<input checked="" type="checkbox"/>
Flushing Zone D2	527 Kawehiwehi Street (D2-KAWE0527)	09-Jan-22	12:30	14:18	<input checked="" type="checkbox"/>
Flushing Zone D2	528 Kawehiwehi Street (D2-KAWE0528)	09-Jan-22	15:44	17:23	<input checked="" type="checkbox"/>
Flushing Zone D2	530 Kawehiwehi Street (D2-KAWE0530)	09-Jan-22	15:45	16:57	<input checked="" type="checkbox"/>
Flushing Zone D2	532 Kawehiwehi Street (D2-KAWE0532)	10-Jan-22	08:09	12:15	<input checked="" type="checkbox"/>
Flushing Zone D2	534 Kawehiwehi Street (D2-KAWE0534)	10-Jan-22	08:09	12:20	<input checked="" type="checkbox"/>
Flushing Zone D2	661 Kawehiwehi Street (D2-KAWE0661)	09-Jan-22	12:00	14:16	<input checked="" type="checkbox"/>
Flushing Zone D2	663 Kawehiwehi Street (D2-KAWE0663)	09-Jan-22	14:11	17:56	<input checked="" type="checkbox"/>
Flushing Zone D2	665 Kawehiwehi Street (D2-KAWE0665)	09-Jan-22	13:36	17:21	<input checked="" type="checkbox"/>
Flushing Zone D2	667 Kawehiwehi Street (D2-KAWE0667)	09-Jan-22	10:41	13:34	<input checked="" type="checkbox"/>
Flushing Zone D2	671 Kawehiwehi Street (D2-KAWE0671)	11-Jan-22	11:36	14:07	<input checked="" type="checkbox"/>
Flushing Zone D2	673 Kawehiwehi Street (D2-KAWE0673)	11-Jan-22	11:39	14:31	<input checked="" type="checkbox"/>
Flushing Zone D2	675 Kawehiwehi Street (D2-KAWE0675)	11-Jan-22	11:20	14:13	<input checked="" type="checkbox"/>
Flushing Zone D2	677 Kawehiwehi Street (D2-KAWE0677)	11-Jan-22	11:21	13:32	<input checked="" type="checkbox"/>
Flushing Zone D2	728 Kawehiwehi Street (D2-KAWE0728)	10-Jan-22	15:00	17:27	<input checked="" type="checkbox"/>
Flushing Zone D2	730 Kawehiwehi Street (D2-KAWE0730)	10-Jan-22	15:30	17:29	<input checked="" type="checkbox"/>
Flushing Zone D2	731 Kawehiwehi Street (D2-KAWE0731)	10-Jan-22	16:00	17:36	<input checked="" type="checkbox"/>
Flushing Zone D2	732 Kawehiwehi Street (D2-KAWE0732)	10-Jan-22	15:00	17:17	<input checked="" type="checkbox"/>
Flushing Zone D2	733 Kawehiwehi Street (D2-KAWE0733)	10-Jan-22	14:00	17:34	<input checked="" type="checkbox"/>
Flushing Zone D2	734 Kawehiwehi Street (D2-KAWE0734)	10-Jan-22	15:00	17:18	<input checked="" type="checkbox"/>
Flushing Zone D2	735 Kawehiwehi Street (D2-KAWE0735)	10-Jan-22	15:00	17:39	<input checked="" type="checkbox"/>
Flushing Zone D2	737 Kawehiwehi Street (D2-KAWE0737)	10-Jan-22	15:00	17:40	<input checked="" type="checkbox"/>
Flushing Zone D2	751 Kawehiwehi Street (D2-KAWE0751)	10-Jan-22	15:50	17:44	<input checked="" type="checkbox"/>
Flushing Zone D2	753 Kawehiwehi Street (D2-KAWE0753)	10-Jan-22	15:55	17:07	<input checked="" type="checkbox"/>
Flushing Zone D2	501 Koaaina Alley (D2-KOA0501)	10-Jan-22	14:00	17:07	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Koaaina Alley (D2-KOA0502)	10-Jan-22	02:50	15:50	<input checked="" type="checkbox"/>
Flushing Zone D2	503 Koaaina Alley (D2-KOA0503)	10-Jan-22	15:00	17:21	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Koaaina Alley (D2-KOA0504)	10-Jan-22	02:50	15:27	<input checked="" type="checkbox"/>
Flushing Zone D2	505 Koaaina Alley (D2-KOA0505)	10-Jan-22	15:00	17:26	<input checked="" type="checkbox"/>
Flushing Zone D2	506 Koaaina Alley (D2-KOA0506)	10-Jan-22	02:50	16:10	<input checked="" type="checkbox"/>
Flushing Zone D2	507 Koaaina Alley (D2-KOA0507)	10-Jan-22	14:00	17:12	<input checked="" type="checkbox"/>
Flushing Zone D2	508 Koaaina Alley (D2-KOA0508)	10-Jan-22	03:05	16:22	<input checked="" type="checkbox"/>
Flushing Zone D2	601 Kulekila Alley (D2-KULE0601)	10-Jan-22	11:41	12:30	<input checked="" type="checkbox"/>
Flushing Zone D2	602 Kulekila Alley (D2-KULE0602)	10-Jan-22	16:51	18:14	<input checked="" type="checkbox"/>
Flushing Zone D2	603 Kulekila Alley (D2-KULE0603)	10-Jan-22	11:48	12:28	<input checked="" type="checkbox"/>
Flushing Zone D2	604 Kulekila Alley (D2-KULE0604)	10-Jan-22	16:42	18:02	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	605 Kulekia Alley (D2-KULE0605)	10-Jan-22	12:46	14:27	<input checked="" type="checkbox"/>
Flushing Zone D2	606 Kulekia Alley (D2-KULE0606)	10-Jan-22	14:44	16:40	<input checked="" type="checkbox"/>
Flushing Zone D2	607 Kulekia Alley (D2-KULE0607)	10-Jan-22	14:23	14:23	<input checked="" type="checkbox"/>
Flushing Zone D2	608 Kulekia Alley (D2-KULE0608)	10-Jan-22	14:02	16:41	<input checked="" type="checkbox"/>
Flushing Zone D2	281 Kumama Alley (D2-KUMA0281)	10-Jan-22	15:00	17:33	<input checked="" type="checkbox"/>
Flushing Zone D2	282 Kumama Alley (D2-KUMA0282)	10-Jan-22	15:10	17:46	<input checked="" type="checkbox"/>
Flushing Zone D2	283 Kumama Alley (D2-KUMA0283)	10-Jan-22	15:33	17:08	<input checked="" type="checkbox"/>
Flushing Zone D2	284 Kumama Alley (D2-KUMA0284)	10-Jan-22	15:50	17:30	<input checked="" type="checkbox"/>
Flushing Zone D2	285 Kumama Alley (D2-KUMA0285)	10-Jan-22	15:50	18:14	<input checked="" type="checkbox"/>
Flushing Zone D2	286 Kumama Alley (D2-KUMA0286)	10-Jan-22	15:50	18:14	<input checked="" type="checkbox"/>
Flushing Zone D2	287 Kumama Alley (D2-KUMA0287)	11-Jan-22	13:22	15:56	<input checked="" type="checkbox"/>
Flushing Zone D2	288 Kumama Alley (D2-KUMA0288)	10-Jan-22	16:32	18:35	<input checked="" type="checkbox"/>
Flushing Zone D2	291 Kumama Alley (D2-KUMA0291)	11-Jan-22	11:30	13:19	<input checked="" type="checkbox"/>
Flushing Zone D2	293 Kumama Alley (D2-KUMA0293)	11-Jan-22	13:00	08:57	<input checked="" type="checkbox"/>
Flushing Zone D2	295 Kumama Alley (D2-KUMA0295)	11-Jan-22	10:30	15:09	<input checked="" type="checkbox"/>
Flushing Zone D2	297 Kumama Alley (D2-KUMA0297)	11-Jan-22	08:30	11:51	<input checked="" type="checkbox"/>
Flushing Zone D2	621 Lelemanu Alley (D2-LELE0621)	11-Jan-22	08:00	14:37	<input checked="" type="checkbox"/>
Flushing Zone D2	623 Lelemanu Alley (D2-LELE0623)	10-Jan-22	16:00	17:32	<input checked="" type="checkbox"/>
Flushing Zone D2	625 Lelemanu Alley (D2-LELE0625)	11-Jan-22	09:00	15:02	<input checked="" type="checkbox"/>
Flushing Zone D2	627 Lelemanu Alley (D2-LELE0627)	10-Jan-22	16:00	17:18	<input checked="" type="checkbox"/>
Flushing Zone D2	722 Lelemanu Alley (D2-LELE0722)	11-Jan-22	08:00	12:35	<input checked="" type="checkbox"/>
Flushing Zone D2	724 Lelemanu Alley (D2-LELE0724)	11-Jan-22	08:00	11:16	<input checked="" type="checkbox"/>
Flushing Zone D2	726 Lelemanu Alley (D2-LELE0726)	11-Jan-22	10:05	11:36	<input checked="" type="checkbox"/>
Flushing Zone D2	728 Lelemanu Alley (D2-LELE0728)	10-Jan-22	10:00	14:38	<input checked="" type="checkbox"/>
Flushing Zone D2	242 Lewa Hia Loop (D2-LEWA0242)	09-Jan-22	11:40	11:34	<input checked="" type="checkbox"/>
Flushing Zone D2	243 Lewa Hia Loop (D2-LEWA0243)	09-Jan-22	11:40	12:40	<input checked="" type="checkbox"/>
Flushing Zone D2	244 Lewa Hia Loop (D2-LEWA0244)	09-Jan-22	15:24	17:06	<input checked="" type="checkbox"/>
Flushing Zone D2	245 Lewa Hia Loop (D2-LEWA0245)	09-Jan-22	12:42	15:02	<input checked="" type="checkbox"/>
Flushing Zone D2	246 Lewa Hia Loop (D2-LEWA0246)	09-Jan-22	15:02	16:39	<input checked="" type="checkbox"/>
Flushing Zone D2	248 Lewa Hia Loop (D2-LEWA0248)	09-Jan-22	16:18	18:09	<input checked="" type="checkbox"/>
Flushing Zone D2	252 Lewa Hia Loop (D2-LEWA0252)	10-Jan-22	08:05	10:51	<input checked="" type="checkbox"/>
Flushing Zone D2	254 Lewa Hia Loop (D2-LEWA0254)	10-Jan-22	09:07	10:15	<input checked="" type="checkbox"/>
Flushing Zone D2	256 Lewa Hia Loop (D2-LEWA0256)	10-Jan-22	11:00	12:35	<input checked="" type="checkbox"/>
Flushing Zone D2	258 Lewa Hia Loop (D2-LEWA0258)	10-Jan-22	11:29	13:11	<input checked="" type="checkbox"/>
Flushing Zone D2	261 Lewa Hia Loop (D2-LEWA0261)	10-Jan-22	07:58	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	262 Lewa Hia Loop (D2-LEWA0262)	10-Jan-22	10:59	13:10	<input checked="" type="checkbox"/>
Flushing Zone D2	263 Lewa Hia Loop (D2-LEWA0263)	10-Jan-22	08:29	10:58	<input checked="" type="checkbox"/>
Flushing Zone D2	264 Lewa Hia Loop (D2-LEWA0264)	10-Jan-22	11:00	13:51	<input checked="" type="checkbox"/>
Flushing Zone D2	265 Lewa Hia Loop (D2-LEWA0265)	10-Jan-22	08:00	12:06	<input checked="" type="checkbox"/>
Flushing Zone D2	266 Lewa Hia Loop (D2-LEWA0266)	10-Jan-22	11:34	13:49	<input checked="" type="checkbox"/>
Flushing Zone D2	267 Lewa Hia Loop (D2-LEWA0267)	10-Jan-22	08:00	11:16	<input checked="" type="checkbox"/>
Flushing Zone D2	268 Lewa Hia Loop (D2-LEWA0268)	10-Jan-22	11:55	14:24	<input checked="" type="checkbox"/>
Flushing Zone D2	271 Lewa Hia Loop (D2-LEWA0271)	10-Jan-22	08:44	12:06	<input checked="" type="checkbox"/>
Flushing Zone D2	272 Lewa Hia Loop (D2-LEWA0272)	10-Jan-22	13:30	14:48	<input checked="" type="checkbox"/>
Flushing Zone D2	273 Lewa Hia Loop (D2-LEWA0273)	10-Jan-22	09:55	12:48	<input checked="" type="checkbox"/>
Flushing Zone D2	274 Lewa Hia Loop (D2-LEWA0274)	10-Jan-22	08:00	10:41	<input checked="" type="checkbox"/>
Flushing Zone D2	275 Lewa Hia Loop (D2-LEWA0275)	10-Jan-22	12:50	15:38	<input checked="" type="checkbox"/>
Flushing Zone D2	276 Lewa Hia Loop (D2-LEWA0276)	10-Jan-22	09:28	12:10	<input checked="" type="checkbox"/>
Flushing Zone D2	277 Lewa Hia Loop (D2-LEWA0277)	10-Jan-22	11:50	14:14	<input checked="" type="checkbox"/>
Flushing Zone D2	278 Lewa Hia Loop (D2-LEWA0278)	10-Jan-22	08:00	11:56	<input checked="" type="checkbox"/>
Flushing Zone D2	321 Lewa Mawaho Loop (D2-LEWA0321)	11-Jan-22	07:48	09:59	<input checked="" type="checkbox"/>
Flushing Zone D2	323 Lewa Mawaho Loop (D2-LEWA0323)	11-Jan-22	07:58	10:05	<input checked="" type="checkbox"/>
Flushing Zone D2	325 Lewa Mawaho Loop (D2-LEWA0325)	11-Jan-22	10:16	12:18	<input checked="" type="checkbox"/>
Flushing Zone D2	327 Lewa Mawaho Loop (D2-LEWA0327)	09-Jan-22	15:00	17:56	<input checked="" type="checkbox"/>
Flushing Zone D2	331 Lewa Mawaho Loop (D2-LEWA0331)	11-Jan-22	10:40	13:47	<input checked="" type="checkbox"/>
Flushing Zone D2	332 Lewa Mawaho Loop (D2-LEWA0332)	09-Jan-22	12:50	12:50	<input checked="" type="checkbox"/>
Flushing Zone D2	333 Lewa Mawaho Loop (D2-LEWA0333)	11-Jan-22	08:06	09:06	<input checked="" type="checkbox"/>
Flushing Zone D2	334 Lewa Mawaho Loop (D2-LEWA0334)	09-Jan-22	13:00	14:51	<input checked="" type="checkbox"/>
Flushing Zone D2	335 Lewa Mawaho Loop (D2-LEWA0335)	11-Jan-22	09:07	10:42	<input checked="" type="checkbox"/>
Flushing Zone D2	336 Lewa Mawaho Loop (D2-LEWA0336)	09-Jan-22	01:00	14:53	<input checked="" type="checkbox"/>
Flushing Zone D2	337 Lewa Mawaho Loop (D2-LEWA0337)	11-Jan-22	10:05	12:31	<input checked="" type="checkbox"/>
Flushing Zone D2	338 Lewa Mawaho Loop (D2-LEWA0338)	09-Jan-22	16:51	16:56	<input checked="" type="checkbox"/>
Flushing Zone D2	351 Lewa Mawaho Loop (D2-LEWA0351)	09-Jan-22	03:00	16:50	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	353 Lewa Mawaho Loop (D2-LEWA0353)	09-Jan-22	14:00	16:11	<input checked="" type="checkbox"/>
Flushing Zone D2	355 Lewa Mawaho Loop (D2-LEWA0355)	09-Jan-22	11:16	14:01	<input checked="" type="checkbox"/>
Flushing Zone D2	357 Lewa Mawaho Loop (D2-LEWA0357)	09-Jan-22	10:24	12:46	<input checked="" type="checkbox"/>
Flushing Zone D2	402 Lewa Mawaho Loop (D2-LEWA0402)	15-Jan-22	07:00	08:52	<input checked="" type="checkbox"/>
Flushing Zone D2	404 Lewa Mawaho Loop (D2-LEWA0404)	09-Jan-22	11:03	13:19	<input checked="" type="checkbox"/>
Flushing Zone D2	406 Lewa Mawaho Loop (D2-LEWA0406)	09-Jan-22	13:54	16:38	<input checked="" type="checkbox"/>
Flushing Zone D2	408 Lewa Mawaho Loop (D2-LEWA0408)	09-Jan-22	15:22	17:07	<input checked="" type="checkbox"/>
Flushing Zone D2	409 Lewa Mawaho Loop (D2-LEWA0409)	09-Jan-22	10:28	14:02	<input checked="" type="checkbox"/>
Flushing Zone D2	411 Lewa Mawaho Loop (D2-LEWA0411)	09-Jan-22	13:30	16:45	<input checked="" type="checkbox"/>
Flushing Zone D2	413 Lewa Mawaho Loop (D2-LEWA0413)	09-Jan-22	14:00	16:46	<input checked="" type="checkbox"/>
Flushing Zone D2	415 Lewa Mawaho Loop (D2-LEWA0415)	09-Jan-22	16:40	18:01	<input checked="" type="checkbox"/>
Flushing Zone D2	361 Lewahana Loop (D2-LEWA0361)	10-Jan-22	08:00	15:18	<input checked="" type="checkbox"/>
Flushing Zone D2	363 Lewahana Loop (D2-LEWA0363)	10-Jan-22	08:28	13:26	<input checked="" type="checkbox"/>
Flushing Zone D2	364 Lewahana Loop (D2-LEWA0364)	10-Jan-22	11:54	18:42	<input checked="" type="checkbox"/>
Flushing Zone D2	365 Lewahana Loop (D2-LEWA0365)	10-Jan-22	13:27	15:21	<input checked="" type="checkbox"/>
Flushing Zone D2	366 Lewahana Loop (D2-LEWA0366)	10-Jan-22	12:00	13:17	<input checked="" type="checkbox"/>
Flushing Zone D2	367 Lewahana Loop (D2-LEWA0367)	10-Jan-22	13:44	16:35	<input checked="" type="checkbox"/>
Flushing Zone D2	371 Lewahana Loop (D2-LEWA0371)	09-Jan-22	10:27	15:41	<input checked="" type="checkbox"/>
Flushing Zone D2	372 Lewahana Loop (D2-LEWA0372)	09-Jan-22	16:21	15:22	<input checked="" type="checkbox"/>
Flushing Zone D2	373 Lewahana Loop (D2-LEWA0373)	09-Jan-22	11:53	15:42	<input checked="" type="checkbox"/>
Flushing Zone D2	374 Lewahana Loop (D2-LEWA0374)	10-Jan-22	08:09	11:26	<input checked="" type="checkbox"/>
Flushing Zone D2	375 Lewahana Loop (D2-LEWA0375)	10-Jan-22	13:00	17:45	<input checked="" type="checkbox"/>
Flushing Zone D2	376 Lewahana Loop (D2-LEWA0376)	10-Jan-22	09:00	15:16	<input checked="" type="checkbox"/>
Flushing Zone D2	377 Lewahana Loop (D2-LEWA0377)	11-Jan-22	14:23	15:10	<input checked="" type="checkbox"/>
Flushing Zone D2	378 Lewahana Loop (D2-LEWA0378)	10-Jan-22	09:30	14:11	<input checked="" type="checkbox"/>
Flushing Zone D2	382 Lewahana Loop (D2-LEWA0382)	10-Jan-22	03:30	17:37	<input checked="" type="checkbox"/>
Flushing Zone D2	384 Lewahana Loop (D2-LEWA0384)	10-Jan-22	14:22	18:05	<input checked="" type="checkbox"/>
Flushing Zone D2	386 Lewahana Loop (D2-LEWA0386)	09-Jan-22	16:38	18:23	<input checked="" type="checkbox"/>
Flushing Zone D2	388 Lewahana Loop (D2-LEWA0388)	09-Jan-22	15:00	17:00	<input checked="" type="checkbox"/>
Flushing Zone D2	391 Lewahana Loop (D2-LEWA0391)	10-Jan-22	08:19	10:45	<input checked="" type="checkbox"/>
Flushing Zone D2	392 Lewahana Loop (D2-LEWA0392)	09-Jan-22	12:42	15:06	<input checked="" type="checkbox"/>
Flushing Zone D2	393 Lewahana Loop (D2-LEWA0393)	10-Jan-22	08:20	10:38	<input checked="" type="checkbox"/>
Flushing Zone D2	394 Lewahana Loop (D2-LEWA0394)	09-Jan-22	11:00	16:56	<input checked="" type="checkbox"/>
Flushing Zone D2	395 Lewahana Loop (D2-LEWA0395)	10-Jan-22	08:21	10:39	<input checked="" type="checkbox"/>
Flushing Zone D2	396 Lewahana Loop (D2-LEWA0396)	09-Jan-22	10:30	12:08	<input checked="" type="checkbox"/>
Flushing Zone D2	397 Lewahana Loop (D2-LEWA0397)	10-Jan-22	08:22	10:39	<input checked="" type="checkbox"/>
Flushing Zone D2	398 Lewahana Loop (D2-LEWA0398)	09-Jan-22	15:00	17:53	<input checked="" type="checkbox"/>
Flushing Zone D2	202 Mercury Street (D2-MERC0202)	09-Jan-22	10:46	17:51	<input checked="" type="checkbox"/>
Flushing Zone D2	204 Mercury Street (D2-MERC0204)	09-Jan-22	10:28	11:24	<input checked="" type="checkbox"/>
Flushing Zone D2	206 Mercury Street (D2-MERC0206)	09-Jan-22	10:30	12:12	<input checked="" type="checkbox"/>
Flushing Zone D2	208 Mercury Street (D2-MERC0208)	09-Jan-22	11:00	12:35	<input checked="" type="checkbox"/>
Flushing Zone D2	212 Mercury Street (D2-MERC0212)	09-Jan-22	11:45	12:42	<input checked="" type="checkbox"/>
Flushing Zone D2	214 Mercury Street (D2-MERC0214)	09-Jan-22	11:44	12:49	<input checked="" type="checkbox"/>
Flushing Zone D2	216 Mercury Street (D2-MERC0216)	09-Jan-22	12:33	13:32	<input checked="" type="checkbox"/>
Flushing Zone D2	218 Mercury Street (D2-MERC0218)	09-Jan-22	12:35	14:19	<input checked="" type="checkbox"/>
Flushing Zone D2	222 Mercury Street (D2-MERC0222)	09-Jan-22	10:38	13:04	<input checked="" type="checkbox"/>
Flushing Zone D2	224 Mercury Street (D2-MERC0224)	09-Jan-22	11:12	17:53	<input checked="" type="checkbox"/>
Flushing Zone D2	226 Mercury Street (D2-MERC0226)	09-Jan-22	13:26	14:27	<input checked="" type="checkbox"/>
Flushing Zone D2	228 Mercury Street (D2-MERC0228)	09-Jan-22	13:25	14:26	<input checked="" type="checkbox"/>
Flushing Zone D2	231 Mercury Street (D2-MERC0231)	09-Jan-22	12:00	13:42	<input checked="" type="checkbox"/>
Flushing Zone D2	232 Mercury Street (D2-MERC0232)	09-Jan-22	11:59	12:57	<input checked="" type="checkbox"/>
Flushing Zone D2	233 Mercury Street (D2-MERC0233)	09-Jan-22	12:00	12:57	<input checked="" type="checkbox"/>
Flushing Zone D2	234 Mercury Street (D2-MERC0234)	09-Jan-22	12:14	17:54	<input checked="" type="checkbox"/>
Flushing Zone D2	235 Mercury Street (D2-MERC0235)	09-Jan-22	10:00	12:19	<input checked="" type="checkbox"/>
Flushing Zone D2	236 Mercury Street (D2-MERC0236)	09-Jan-22	10:41	11:36	<input checked="" type="checkbox"/>
Flushing Zone D2	237 Mercury Street (D2-MERC0237)	09-Jan-22	09:00	11:44	<input checked="" type="checkbox"/>
Flushing Zone D2	238 Mercury Street (D2-MERC0238)	09-Jan-22	10:57	11:52	<input checked="" type="checkbox"/>
Flushing Zone D2	1001 Mills Boulevard (D2-MILL1001)	11-Jan-22	08:03	09:51	<input checked="" type="checkbox"/>
Flushing Zone D2	1003 Mills Boulevard (D2-MILL1003)	11-Jan-22	08:51	10:54	<input checked="" type="checkbox"/>
Flushing Zone D2	1101 Mills Boulevard (D2-MILL1101)	09-Jan-22	12:00	12:32	<input checked="" type="checkbox"/>
Flushing Zone D2	1103 Mills Boulevard (D2-MILL1103)	09-Jan-22	12:00	12:33	<input checked="" type="checkbox"/>
Flushing Zone D2	300 Monthan Street (D2-MONT0300)	11-Jan-22	08:00	09:14	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Monthan Street (D2-MONT0302)	11-Jan-22	08:00	09:19	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	303 Monthan Street (D2-MONT0303)	11-Jan-22	11:00	12:55	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Monthan Street (D2-MONT0304)	11-Jan-22	08:00	09:22	<input checked="" type="checkbox"/>
Flushing Zone D2	305 Monthan Street (D2-MONT0305)	11-Jan-22	13:18	14:36	<input checked="" type="checkbox"/>
Flushing Zone D2	301 Moore Street (D2-MOOR0301)	11-Jan-22	08:18	09:54	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Moore Street (D2-MOOR0302)	11-Jan-22	13:00	15:07	<input checked="" type="checkbox"/>
Flushing Zone D2	303 Moore Street (D2-MOOR0303)	11-Jan-22	08:39	09:50	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Moore Street (D2-MOOR0304)	11-Jan-22	13:24	15:15	<input checked="" type="checkbox"/>
Flushing Zone D2	431 Opulepule Alley (D2-OPUL0431)	11-Jan-22	14:04	14:04	<input checked="" type="checkbox"/>
Flushing Zone D2	433 Opulepule Alley (D2-OPUL0433)	10-Jan-22	16:39	18:21	<input checked="" type="checkbox"/>
Flushing Zone D2	435 Opulepule Alley (D2-OPUL0435)	11-Jan-22	14:04	16:53	<input checked="" type="checkbox"/>
Flushing Zone D2	437 Opulepule Alley (D2-OPUL0437)	11-Jan-22	14:07	17:16	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Ponanorano Alley (D2-PONA0401)	09-Jan-22	10:31	17:00	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Ponanorano Alley (D2-PONA0403)	09-Jan-22	12:05	17:00	<input checked="" type="checkbox"/>
Flushing Zone D2	405 Ponanorano Alley (D2-PONA0405)	09-Jan-22	14:41	18:30	<input checked="" type="checkbox"/>
Flushing Zone D2	407 Ponanorano Alley (D2-PONA0407)	09-Jan-22	14:55	17:59	<input checked="" type="checkbox"/>
Flushing Zone D2	902 Porter Avenue (D2-POR0902)	11-Jan-22	13:49	14:57	<input checked="" type="checkbox"/>
Flushing Zone D2	904 Porter Avenue (D2-POR0904)	11-Jan-22	13:49	14:59	<input checked="" type="checkbox"/>
Flushing Zone D2	906 Porter Avenue (D2-POR0906)	11-Jan-22	14:37	15:52	<input checked="" type="checkbox"/>
Flushing Zone D2	1002 Porter Avenue (D2-POR1002)	11-Jan-22	13:20	14:29	<input checked="" type="checkbox"/>
Flushing Zone D2	1102 Porter Avenue (D2-POR1102)	09-Jan-22	10:00	08:06	<input checked="" type="checkbox"/>
Flushing Zone D2	1302 Porter Avenue (D2-POR1302)	09-Jan-22	11:20	12:58	<input checked="" type="checkbox"/>
Flushing Zone D2	1304 Porter Avenue (D2-POR1304)	09-Jan-22	12:10	15:07	<input checked="" type="checkbox"/>
Flushing Zone D2	1306 Porter Avenue (D2-POR1306)	09-Jan-22	10:00	08:07	<input checked="" type="checkbox"/>
Flushing Zone D2	1308 Porter Avenue (D2-POR1308)	09-Jan-22	11:00	08:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1402 Porter Avenue (D2-POR1402)	09-Jan-22	12:25	13:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1404 Porter Avenue (D2-POR1404)	09-Jan-22	13:00	15:11	<input checked="" type="checkbox"/>
Flushing Zone D2	1406 Porter Avenue (D2-POR1406)	09-Jan-22	14:02	15:18	<input checked="" type="checkbox"/>
Flushing Zone D2	1408 Porter Avenue (D2-POR1408)	09-Jan-22	14:08	16:18	<input checked="" type="checkbox"/>
Flushing Zone D2	1502 Porter Avenue (D2-POR1502)	09-Jan-22	13:40	14:58	<input checked="" type="checkbox"/>
Flushing Zone D2	1504 Porter Avenue (D2-POR1504)	09-Jan-22	13:12	15:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1506 Porter Avenue (D2-POR1506)	09-Jan-22	13:15	15:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1508 Porter Avenue (D2-POR1508)	09-Jan-22	14:40	15:42	<input checked="" type="checkbox"/>
Flushing Zone D2	1602 Porter Avenue (D2-POR1602)	10-Jan-22	08:40	10:21	<input checked="" type="checkbox"/>
Flushing Zone D2	1604 Porter Avenue (D2-POR1604)	09-Jan-22	15:25	16:57	<input checked="" type="checkbox"/>
Flushing Zone D2	1606 Porter Avenue (D2-POR1606)	10-Jan-22	08:35	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1608 Porter Avenue (D2-POR1608)	10-Jan-22	08:00	09:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1702 Porter Avenue (D2-POR1702)	10-Jan-22	08:00	10:23	<input checked="" type="checkbox"/>
Flushing Zone D2	1704 Porter Avenue (D2-POR1704)	10-Jan-22	08:00	09:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1706 Porter Avenue (D2-POR1706)	10-Jan-22	09:00	10:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1708 Porter Avenue (D2-POR1708)	10-Jan-22	21:00	11:31	<input checked="" type="checkbox"/>
Flushing Zone D2	1710 Porter Avenue (D2-POR1710)	11-Jan-22	12:41	18:59	<input checked="" type="checkbox"/>
Flushing Zone D2	1712 Porter Avenue (D2-POR1712)	10-Jan-22	11:00	13:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1714 Porter Avenue (D2-POR1714)	10-Jan-22	09:00	11:31	<input checked="" type="checkbox"/>
Flushing Zone D2	1716 Porter Avenue (D2-POR1716)	10-Jan-22	08:00	11:32	<input checked="" type="checkbox"/>
Flushing Zone D2	1718 Porter Avenue (D2-POR1718)	10-Jan-22	09:00	11:33	<input checked="" type="checkbox"/>
Flushing Zone D2	1720 Porter Avenue (D2-POR1720)	10-Jan-22	08:00	09:10	<input checked="" type="checkbox"/>
Flushing Zone D2	1722 Porter Avenue (D2-POR1722)	10-Jan-22	10:00	11:33	<input checked="" type="checkbox"/>
Flushing Zone D2	1724 Porter Avenue (D2-POR1724)	10-Jan-22	08:00	09:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1726 Porter Avenue (D2-POR1726)	10-Jan-22	08:00	09:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1728 Porter Avenue (D2-POR1728)	10-Jan-22	09:00	09:23	<input checked="" type="checkbox"/>
Flushing Zone D2	1730 Porter Avenue (D2-POR1730)	10-Jan-22	08:00	09:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1732 Porter Avenue (D2-POR1732)	10-Jan-22	08:00	09:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1734 Porter Avenue (D2-POR1734)	10-Jan-22	10:00	11:34	<input checked="" type="checkbox"/>
Flushing Zone D2	1736 Porter Avenue (D2-POR1736)	10-Jan-22	10:00	11:35	<input checked="" type="checkbox"/>
Flushing Zone D2	1802 Porter Avenue (D2-POR1802)	10-Jan-22	08:00	09:32	<input checked="" type="checkbox"/>
Flushing Zone D2	1804 Porter Avenue (D2-POR1804)	10-Jan-22	08:00	09:25	<input checked="" type="checkbox"/>
Flushing Zone D2	1806 Porter Avenue (D2-POR1806)	10-Jan-22	08:00	09:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1808 Porter Avenue (D2-POR1808)	10-Jan-22	08:00	09:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1810 Porter Avenue (D2-POR1810)	10-Jan-22	12:00	14:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1812 Porter Avenue (D2-POR1812)	10-Jan-22	12:00	14:15	<input checked="" type="checkbox"/>
Flushing Zone D2	1814 Porter Avenue (D2-POR1814)	10-Jan-22	11:00	13:04	<input checked="" type="checkbox"/>
Flushing Zone D2	1816 Porter Avenue (D2-POR1816)	10-Jan-22	11:00	13:01	<input checked="" type="checkbox"/>
Flushing Zone D2	1818 Porter Avenue (D2-POR1818)	10-Jan-22	08:00	09:23	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	1820 Porter Avenue (D2-PORT1820)	10-Jan-22	08:00	09:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1822 Porter Avenue (D2-PORT1822)	10-Jan-22	09:25	11:36	<input checked="" type="checkbox"/>
Flushing Zone D2	1824 Porter Avenue (D2-PORT1824)	10-Jan-22	14:00	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1826 Porter Avenue (D2-PORT1826)	10-Jan-22	12:00	12:38	<input checked="" type="checkbox"/>
Flushing Zone D2	1828 Porter Avenue (D2-PORT1828)	10-Jan-22	12:00	12:39	<input checked="" type="checkbox"/>
Flushing Zone D2	1830 Porter Avenue (D2-PORT1830)	10-Jan-22	12:00	12:37	<input checked="" type="checkbox"/>
Flushing Zone D2	1832 Porter Avenue (D2-PORT1832)	10-Jan-22	12:00	12:32	<input checked="" type="checkbox"/>
Flushing Zone D2	1902 Porter Avenue (D2-PORT1902)	10-Jan-22	10:40	12:42	<input checked="" type="checkbox"/>
Flushing Zone D2	1904 Porter Avenue (D2-PORT1904)	10-Jan-22	10:40	12:40	<input checked="" type="checkbox"/>
Flushing Zone D2	1906 Porter Avenue (D2-PORT1906)	10-Jan-22	11:20	12:35	<input checked="" type="checkbox"/>
Flushing Zone D2	1908 Porter Avenue (D2-PORT1908)	10-Jan-22	11:00	12:35	<input checked="" type="checkbox"/>
Flushing Zone D2	1910 Porter Avenue (D2-PORT1910)	10-Jan-22	12:00	13:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1912 Porter Avenue (D2-PORT1912)	10-Jan-22	11:00	13:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1914 Porter Avenue (D2-PORT1914)	10-Jan-22	11:00	15:10	<input checked="" type="checkbox"/>
Flushing Zone D2	1916 Porter Avenue (D2-PORT1916)	10-Jan-22	14:00	15:10	<input checked="" type="checkbox"/>
Flushing Zone D2	1917 Porter Avenue (D2-PORT1917)	10-Jan-22	12:00	15:11	<input checked="" type="checkbox"/>
Flushing Zone D2	1919 Porter Avenue (D2-PORT1919)	10-Jan-22	14:00	15:11	<input checked="" type="checkbox"/>
Flushing Zone D2	1921 Porter Avenue (D2-PORT1921)	10-Jan-22	13:00	14:12	<input checked="" type="checkbox"/>
Flushing Zone D2	1923 Porter Avenue (D2-PORT1923)	10-Jan-22	14:00	15:11	<input checked="" type="checkbox"/>
Flushing Zone D2	202 Signer Boulevard (D2-SIGN0202)	11-Jan-22	13:20	16:24	<input checked="" type="checkbox"/>
Flushing Zone D2	204 Signer Boulevard (D2-SIGN0204)	11-Jan-22	13:51	16:23	<input checked="" type="checkbox"/>
Flushing Zone D2	206 Signer Boulevard (D2-SIGN0206)	11-Jan-22	13:57	16:09	<input checked="" type="checkbox"/>
Flushing Zone D2	208 Signer Boulevard (D2-SIGN0208)	11-Jan-22	14:12	16:16	<input checked="" type="checkbox"/>
Flushing Zone D2	402 Signer Boulevard (D2-SIGN0402)	11-Jan-22	10:33	12:00	<input checked="" type="checkbox"/>
Flushing Zone D2	404 Signer Boulevard (D2-SIGN0404)	11-Jan-22	08:05	10:15	<input checked="" type="checkbox"/>
Flushing Zone D2	406 Signer Boulevard (D2-SIGN0406)	11-Jan-22	16:00	08:57	<input checked="" type="checkbox"/>
Flushing Zone D2	408 Signer Boulevard (D2-SIGN0408)	11-Jan-22	15:45	16:57	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SIGN0504A)	11-Jan-22	09:50	11:23	<input checked="" type="checkbox"/>
Flushing Zone D2	601 Signer Boulevard (D2-SIGN0601)	10-Jan-22	16:00	16:36	<input checked="" type="checkbox"/>
Flushing Zone D2	603 Signer Boulevard (D2-SIGN0603)	10-Jan-22	16:00	19:01	<input checked="" type="checkbox"/>
Flushing Zone D2	701 Signer Boulevard (D2-SIGN0701)	10-Jan-22	16:50	18:16	<input checked="" type="checkbox"/>
Flushing Zone D2	901 Signer Boulevard (D2-SIGN0901)	11-Jan-22	14:47	16:09	<input checked="" type="checkbox"/>
Flushing Zone D2	1001 Signer Boulevard (D2-SIGN1001)	11-Jan-22	13:22	14:42	<input checked="" type="checkbox"/>
Flushing Zone D2	1002 Signer Boulevard (D2-SIGN1002)	11-Jan-22	09:55	12:13	<input checked="" type="checkbox"/>
Flushing Zone D2	1003 Signer Boulevard (D2-SIGN1003)	11-Jan-22	14:37	16:06	<input checked="" type="checkbox"/>
Flushing Zone D2	101 Signer Boulevard (D2-SIGN101A)	11-Jan-22	12:10	13:42	<input checked="" type="checkbox"/>
Flushing Zone D2	101 Signer Boulevard (D2-SIGN101B)	11-Jan-22	13:36	15:12	<input checked="" type="checkbox"/>
Flushing Zone D2	103 Signer Boulevard (D2-SIGN103A)	15-Jan-22	08:00	09:34	<input checked="" type="checkbox"/>
Flushing Zone D2	103 Signer Boulevard (D2-SIGN103B)	11-Jan-22	12:00	13:39	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201A)	11-Jan-22	12:00	12:47	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201B)	11-Jan-22	13:00	13:40	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201C)	11-Jan-22	12:00	13:46	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201D)	11-Jan-22	14:00	15:26	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201E)	11-Jan-22	12:00	12:53	<input checked="" type="checkbox"/>
Flushing Zone D2	201 Signer Boulevard (D2-SIGN201F)	11-Jan-22	12:54	12:54	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203A)	11-Jan-22	12:00	12:59	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203B)	11-Jan-22	14:00	15:05	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203C)	11-Jan-22	14:00	14:50	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203D)	11-Jan-22	10:00	09:12	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203E)	11-Jan-22	13:00	14:28	<input checked="" type="checkbox"/>
Flushing Zone D2	203 Signer Boulevard (D2-SIGN203F)	11-Jan-22	09:00	16:56	<input checked="" type="checkbox"/>
Flushing Zone D2	301 Signer Boulevard (D2-SIGN301A)	11-Jan-22	08:00	09:17	<input checked="" type="checkbox"/>
Flushing Zone D2	301 Signer Boulevard (D2-SIGN301B)	11-Jan-22	09:00	10:16	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302A)	11-Jan-22	12:21	13:48	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302B)	11-Jan-22	12:20	16:24	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302C)	11-Jan-22	16:25	16:25	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302D)	11-Jan-22	12:27	16:26	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302E)	11-Jan-22	12:27	16:27	<input checked="" type="checkbox"/>
Flushing Zone D2	302 Signer Boulevard (D2-SIGN302F)	11-Jan-22	16:35	17:37	<input checked="" type="checkbox"/>
Flushing Zone D2	303 Signer Boulevard (D2-SIGN303A)	11-Jan-22	10:00	11:32	<input checked="" type="checkbox"/>
Flushing Zone D2	303 Signer Boulevard (D2-SIGN303B)	11-Jan-22	22:00	11:36	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Signer Boulevard (D2-SIGN304A)	11-Jan-22	12:20	14:56	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Signer Boulevard (D2-SIGN304B)	11-Jan-22	14:41	15:51	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	304 Signer Boulevard (D2-SGN304C)	11-Jan-22	13:27	14:29	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Signer Boulevard (D2-SGN304D)	11-Jan-22	15:00	15:03	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Signer Boulevard (D2-SGN304E)	11-Jan-22	15:38	15:38	<input checked="" type="checkbox"/>
Flushing Zone D2	304 Signer Boulevard (D2-SGN304F)	11-Jan-22	13:59	15:36	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401A)	11-Jan-22	10:00	11:54	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401B)	11-Jan-22	11:00	12:23	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401C)	15-Jan-22	07:05	09:55	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401D)	15-Jan-22	07:30	10:03	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401E)	11-Jan-22	10:00	10:57	<input checked="" type="checkbox"/>
Flushing Zone D2	401 Signer Boulevard (D2-SGN401F)	11-Jan-22	11:00	12:31	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403A)	11-Jan-22	16:00	18:52	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403B)	11-Jan-22	13:00	18:54	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403C)	11-Jan-22	11:00	11:30	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403D)	11-Jan-22	13:00	18:56	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403E)	11-Jan-22	11:00	12:04	<input checked="" type="checkbox"/>
Flushing Zone D2	403 Signer Boulevard (D2-SGN403F)	11-Jan-22	11:00	12:43	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502A)	11-Jan-22	08:53	10:23	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502B)	11-Jan-22	08:53	10:19	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502C)	11-Jan-22	08:53	10:20	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502E)	11-Jan-22	08:53	10:25	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502F)	11-Jan-22	08:53	18:59	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502H)	11-Jan-22	08:53	10:31	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502I)	11-Jan-22	08:20	10:28	<input checked="" type="checkbox"/>
Flushing Zone D2	502 Signer Boulevard (D2-SGN502K)	11-Jan-22	08:17	10:34	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504B)	11-Jan-22	09:56	11:22	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504C)	11-Jan-22	09:55	11:21	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504E)	11-Jan-22	09:34	11:20	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504F)	11-Jan-22	09:41	11:20	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504H)	11-Jan-22	09:15	11:20	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504I)	11-Jan-22	09:16	11:19	<input checked="" type="checkbox"/>
Flushing Zone D2	504 Signer Boulevard (D2-SGN504K)	11-Jan-22	09:16	11:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1602 Tinker Avenue (D2-TNKK1602)	11-Jan-22	08:24	09:55	<input checked="" type="checkbox"/>
Flushing Zone D2	1604 Tinker Avenue (D2-TNKK1604)	11-Jan-22	08:29	09:56	<input checked="" type="checkbox"/>
Flushing Zone D2	1606 Tinker Avenue (D2-TNKK1606)	10-Jan-22	14:00	15:53	<input checked="" type="checkbox"/>
Flushing Zone D2	1607 Tinker Avenue (D2-TNKK1607)	10-Jan-22	13:08	15:29	<input checked="" type="checkbox"/>
Flushing Zone D2	1608 Tinker Avenue (D2-TNKK1608)	10-Jan-22	14:00	15:54	<input checked="" type="checkbox"/>
Flushing Zone D2	1609 Tinker Avenue (D2-TNKK1609)	11-Jan-22	08:02	11:41	<input checked="" type="checkbox"/>
Flushing Zone D2	1610 Tinker Avenue (D2-TNKK1610)	10-Jan-22	14:00	15:57	<input checked="" type="checkbox"/>
Flushing Zone D2	1612 Tinker Avenue (D2-TNKK1612)	10-Jan-22	13:00	16:01	<input checked="" type="checkbox"/>
Flushing Zone D2	1616 Tinker Avenue (D2-TNKK1616)	10-Jan-22	13:00	08:47	<input checked="" type="checkbox"/>
Flushing Zone D2	1617 Tinker Avenue (D2-TNKK1617)	09-Jan-22	15:56	15:56	<input checked="" type="checkbox"/>
Flushing Zone D2	1618 Tinker Avenue (D2-TNKK1618)	10-Jan-22	12:00	08:17	<input checked="" type="checkbox"/>
Flushing Zone D2	1619 Tinker Avenue (D2-TNKK1619)	09-Jan-22	11:56	15:56	<input checked="" type="checkbox"/>
Flushing Zone D2	1701 Tinker Avenue (D2-TNKK1701)	11-Jan-22	12:50	17:42	<input checked="" type="checkbox"/>
Flushing Zone D2	1702 Tinker Avenue (D2-TNKK1702)	09-Jan-22	11:00	13:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1703 Tinker Avenue (D2-TNKK1703)	09-Jan-22	10:15	11:49	<input checked="" type="checkbox"/>
Flushing Zone D2	1704 Tinker Avenue (D2-TNKK1704)	10-Jan-22	14:55	16:19	<input checked="" type="checkbox"/>
Flushing Zone D2	1705 Tinker Avenue (D2-TNKK1705)	09-Jan-22	16:40	17:04	<input checked="" type="checkbox"/>
Flushing Zone D2	1706 Tinker Avenue (D2-TNKK1706)	09-Jan-22	14:00	18:08	<input checked="" type="checkbox"/>
Flushing Zone D2	1707 Tinker Avenue (D2-TNKK1707)	09-Jan-22	11:52	17:52	<input checked="" type="checkbox"/>
Flushing Zone D2	1708 Tinker Avenue (D2-TNKK1708)	09-Jan-22	12:00	17:22	<input checked="" type="checkbox"/>
Flushing Zone D2	1710 Tinker Avenue (D2-TNKK1710)	09-Jan-22	12:00	17:24	<input checked="" type="checkbox"/>
Flushing Zone D2	1712 Tinker Avenue (D2-TNKK1712)	09-Jan-22	10:00	13:37	<input checked="" type="checkbox"/>
Flushing Zone D2	1714 Tinker Avenue (D2-TNKK1714)	09-Jan-22	14:41	16:41	<input checked="" type="checkbox"/>
Flushing Zone D2	1716 Tinker Avenue (D2-TNKK1716)	09-Jan-22	14:00	16:20	<input checked="" type="checkbox"/>
Flushing Zone D2	1718 Tinker Avenue (D2-TNKK1718)	11-Jan-22	15:21	16:57	<input checked="" type="checkbox"/>
Flushing Zone D2	1720 Tinker Avenue (D2-TNKK1720)	09-Jan-22	14:00	18:11	<input checked="" type="checkbox"/>
Flushing Zone D2	1722 Tinker Avenue (D2-TNKK1722)	09-Jan-22	10:00	13:33	<input checked="" type="checkbox"/>
Flushing Zone D2	1724 Tinker Avenue (D2-TNKK1724)	09-Jan-22	13:00	15:05	<input checked="" type="checkbox"/>
Flushing Zone D2	1726 Tinker Avenue (D2-TNKK1726)	09-Jan-22	12:00	14:08	<input checked="" type="checkbox"/>
Flushing Zone D2	1728 Tinker Avenue (D2-TNKK1728)	09-Jan-22	13:00	15:57	<input checked="" type="checkbox"/>
Flushing Zone D2	1730 Tinker Avenue (D2-TNKK1730)	09-Jan-22	14:00	15:59	<input checked="" type="checkbox"/>
Flushing Zone D2	1732 Tinker Avenue (D2-TNKK1732)	09-Jan-22	14:00	16:59	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

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Flushing Zone D2	1734 Tinker Avenue (D2-TINK1734)	09-Jan-22	14:00	17:28	<input checked="" type="checkbox"/>	
Flushing Zone D2	1736 Tinker Avenue (D2-TINK1736)	09-Jan-22	14:00	17:32	<input checked="" type="checkbox"/>	
Flushing Zone D2	1738 Tinker Avenue (D2-TINK1738)	09-Jan-22	16:00	17:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	1740 Tinker Avenue (D2-TINK1740)	09-Jan-22	16:00	17:05	<input checked="" type="checkbox"/>	
Flushing Zone D2	1742 Tinker Avenue (D2-TINK1742)	09-Jan-22	16:00	17:57	<input checked="" type="checkbox"/>	
Flushing Zone D2	1744 Tinker Avenue (D2-TINK1744)	09-Jan-22	14:00	16:47	<input checked="" type="checkbox"/>	
Flushing Zone D2	1801 Tinker Avenue (D2-TINK1801)	09-Jan-22	14:46	15:20	<input checked="" type="checkbox"/>	
Flushing Zone D2	1802 Tinker Avenue (D2-TINK1802)	09-Jan-22	10:00	11:56	<input checked="" type="checkbox"/>	
Flushing Zone D2	1803 Tinker Avenue (D2-TINK1803)	09-Jan-22	14:20	15:07	<input checked="" type="checkbox"/>	
Flushing Zone D2	1804 Tinker Avenue (D2-TINK1804)	09-Jan-22	12:00	12:56	<input checked="" type="checkbox"/>	
Flushing Zone D2	1805 Tinker Avenue (D2-TINK1805)	09-Jan-22	14:45	15:56	<input checked="" type="checkbox"/>	Reason(s) Selected: Other area fenced off
Flushing Zone D2	1806 Tinker Avenue (D2-TINK1806)	09-Jan-22	16:46	17:25	<input checked="" type="checkbox"/>	
Flushing Zone D2	1807 Tinker Avenue (D2-TINK1807)	09-Jan-22	00:00	15:56	<input checked="" type="checkbox"/>	Reason(s) Selected: Other area fenced off
Flushing Zone D2	1808 Tinker Avenue (D2-TINK1808)	09-Jan-22	15:40	16:20	<input checked="" type="checkbox"/>	
Flushing Zone D2	1810 Tinker Avenue (D2-TINK1810)	09-Jan-22	15:31	17:51	<input checked="" type="checkbox"/>	
Flushing Zone D2	1812 Tinker Avenue (D2-TINK1812)	11-Jan-22	16:37	16:37	<input checked="" type="checkbox"/>	
Flushing Zone D2	1814 Tinker Avenue (D2-TINK1814)	11-Jan-22	16:40	16:42	<input checked="" type="checkbox"/>	
Flushing Zone D2	1816 Tinker Avenue (D2-TINK1816)	09-Jan-22	10:00	11:13	<input checked="" type="checkbox"/>	
Flushing Zone D2	1818 Tinker Avenue (D2-TINK1818)	09-Jan-22	10:16	15:24	<input checked="" type="checkbox"/>	
Flushing Zone D2	1820 Tinker Avenue (D2-TINK1820)	09-Jan-22	13:06	17:52	<input checked="" type="checkbox"/>	
Flushing Zone D2	1822 Tinker Avenue (D2-TINK1822)	09-Jan-22	10:33	12:39	<input checked="" type="checkbox"/>	
Flushing Zone D2	1824 Tinker Avenue (D2-TINK1824)	09-Jan-22	10:36	12:35	<input checked="" type="checkbox"/>	
Flushing Zone D2	1826 Tinker Avenue (D2-TINK1826)	09-Jan-22	12:40	15:00	<input checked="" type="checkbox"/>	
Flushing Zone D2	1828 Tinker Avenue (D2-TINK1828)	09-Jan-22	12:40	14:38	<input checked="" type="checkbox"/>	
Flushing Zone D2	1830 Tinker Avenue (D2-TINK1830)	09-Jan-22	14:00	18:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	1832 Tinker Avenue (D2-TINK1832)	09-Jan-22	13:00	16:23	<input checked="" type="checkbox"/>	
Flushing Zone D2	1834 Tinker Avenue (D2-TINK1834)	09-Jan-22	13:30	18:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	1836 Tinker Avenue (D2-TINK1836)	09-Jan-22	13:30	18:17	<input checked="" type="checkbox"/>	
Flushing Zone D2	1901 Tinker Avenue (D2-TINK1901)	09-Jan-22	11:00	13:41	<input checked="" type="checkbox"/>	
Flushing Zone D2	1902 Tinker Avenue (D2-TINK1902)	09-Jan-22	12:00	16:26	<input checked="" type="checkbox"/>	
Flushing Zone D2	1903 Tinker Avenue (D2-TINK1903)	09-Jan-22	15:00	17:41	<input checked="" type="checkbox"/>	
Flushing Zone D2	1904 Tinker Avenue (D2-TINK1904)	09-Jan-22	13:00	16:27	<input checked="" type="checkbox"/>	
Flushing Zone D2	1905 Tinker Avenue (D2-TINK1905)	09-Jan-22	14:00	17:07	<input checked="" type="checkbox"/>	
Flushing Zone D2	1906 Tinker Avenue (D2-TINK1906)	09-Jan-22	15:30	17:42	<input checked="" type="checkbox"/>	
Flushing Zone D2	1907 Tinker Avenue (D2-TINK1907)	09-Jan-22	16:10	17:54	<input checked="" type="checkbox"/>	
Flushing Zone D2	1908 Tinker Avenue (D2-TINK1908)	09-Jan-22	15:45	17:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	1910 Tinker Avenue (D2-TINK1910)	09-Jan-22	15:13	17:48	<input checked="" type="checkbox"/>	
Flushing Zone D2	1912 Tinker Avenue (D2-TINK1912)	09-Jan-22	15:13	17:51	<input checked="" type="checkbox"/>	
Flushing Zone D2	1914 Tinker Avenue (D2-TINK1914)	09-Jan-22	14:22	17:28	<input checked="" type="checkbox"/>	
Flushing Zone D2	1916 Tinker Avenue (D2-TINK1916)	09-Jan-22	14:22	17:28	<input checked="" type="checkbox"/>	
Flushing Zone D2	1918 Tinker Avenue (D2-TINK1918)	09-Jan-22	13:09	15:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	1920 Tinker Avenue (D2-TINK1920)	09-Jan-22	13:09	15:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	1922 Tinker Avenue (D2-TINK1922)	09-Jan-22	13:00	15:16	<input checked="" type="checkbox"/>	
Flushing Zone D2	1924 Tinker Avenue (D2-TINK1924)	09-Jan-22	13:00	15:17	<input checked="" type="checkbox"/>	
Flushing Zone D2	1926 Tinker Avenue (D2-TINK1926)	09-Jan-22	13:00	16:02	<input checked="" type="checkbox"/>	
Flushing Zone D2	1928 Tinker Avenue (D2-TINK1928)	15-Jan-22	07:00	09:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	2001 Tinker Avenue (D2-TINK2001)	09-Jan-22	16:30	18:01	<input checked="" type="checkbox"/>	
Flushing Zone D2	2003 Tinker Avenue (D2-TINK2003)	09-Jan-22	13:00	16:33	<input checked="" type="checkbox"/>	
Flushing Zone D2	2004 Tinker Avenue (D2-TINK2004)	09-Jan-22	14:06	17:07	<input checked="" type="checkbox"/>	
Flushing Zone D2	2005 Tinker Avenue (D2-TINK2005)	09-Jan-22	13:00	16:34	<input checked="" type="checkbox"/>	
Flushing Zone D2	2006 Tinker Avenue (D2-TINK2006)	09-Jan-22	14:06	17:07	<input checked="" type="checkbox"/>	
Flushing Zone D2	2007 Tinker Avenue (D2-TINK2007)	09-Jan-22	14:20	15:30	<input checked="" type="checkbox"/>	
Flushing Zone D2	102 Tinker Drive (D2-TINK0102)	10-Jan-22	12:00	13:58	<input checked="" type="checkbox"/>	
Flushing Zone D2	103 Tinker Drive (D2-TINK0103)	11-Jan-22	14:00	15:58	<input checked="" type="checkbox"/>	
Flushing Zone D2	104 Tinker Drive (D2-TINK0104)	10-Jan-22	12:00	13:59	<input checked="" type="checkbox"/>	
Flushing Zone D2	105 Tinker Drive (D2-TINK0105)	10-Jan-22	12:35	14:19	<input checked="" type="checkbox"/>	
Flushing Zone D2	106 Tinker Drive (D2-TINK0106)	10-Jan-22	12:19	13:53	<input checked="" type="checkbox"/>	
Flushing Zone D2	108 Tinker Drive (D2-TINK0108)	10-Jan-22	13:15	14:45	<input checked="" type="checkbox"/>	
Flushing Zone D2	110 Tinker Drive (D2-TINK0110)	10-Jan-22	14:00	16:24	<input checked="" type="checkbox"/>	
Flushing Zone D2	111 Tinker Drive (D2-TINK0111)	10-Jan-22	13:13	15:31	<input checked="" type="checkbox"/>	
Flushing Zone D2	112 Tinker Drive (D2-TINK0112)	10-Jan-22	12:36	15:06	<input checked="" type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-15

Flushing Zone D2	113 Tinker Drive (D2-TINK0113)	10-Jan-22	12:58	15:49	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	114 Tinker Drive (D2-TINK0114)	11-Jan-22	08:12	10:25	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	116 Tinker Drive (D2-TINK0116)	10-Jan-22	13:15	15:10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	201 Wilson Street (D2-WILS0201)	09-Jan-22	11:00	16:31	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	203 Wilson Street (D2-WILS0203)	09-Jan-22	13:00	18:30	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	205 Wilson Street (D2-WILS0205)	09-Jan-22	15:00	18:31	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	101 Worthington Avenue (D2-	11-Jan-22	15:00	09:08	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	103 Worthington Avenue (D2-	15-Jan-22	07:30	09:47	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	105 Worthington Avenue (D2-	11-Jan-22	17:13	17:16	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	107 Worthington Avenue (D2-	11-Jan-22	17:12	17:20	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	201 Worthington Avenue (D2-	11-Jan-22	16:00	17:11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	203 Worthington Avenue (D2-	11-Jan-22	15:00	16:51	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	205 Worthington Avenue (D2-	11-Jan-22	16:02	07:52	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	401 Worthington Avenue (D2-	11-Jan-22	08:00	09:25	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	403 Worthington Avenue (D2-	11-Jan-22	08:03	11:15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	405 Worthington Avenue (D2-	11-Jan-22	15:11	16:26	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	407 Worthington Avenue (D2-	11-Jan-22	14:59	16:15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	501 Worthington Avenue (D2-	11-Jan-22	14:00	16:07	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	503 Worthington Avenue (D2-	11-Jan-22	15:00	16:14	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	505 Worthington Avenue (D2-	11-Jan-22	12:14	13:21	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flushing Zone D2	507 Worthington Avenue (D2-	11-Jan-22	12:15	13:21	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Key	
<input type="checkbox"/>	Not Started
<input type="checkbox"/>	No Access
<input type="checkbox"/>	In Progress
<input type="checkbox"/>	Complete

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-26

Total Facilities	Total	Percent Complete	No	Flushed on Selected Dates
193	193	100.0 %	0	193

Zone	Address	Arrive Date	Start Time	Finish Time	Certified	Summary General Notes	Unable To Access	Access Reason
Flushing Zone D2	Building 100THSECURITY POLICE	18-Jan-22	09:00	10:44	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1010HTELECOMMUNICATIONS	12-Jan-22	12:00	13:10	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1011HTELECOMMUNICATIONS	19-Jan-22	00:00	11:41	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1012HSECURITY POLICE	18-Jan-22	09:00	10:46	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1025HELEC SWITCHING STN	13-Jan-22	13:00	13:16	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1041HELEC SWITCHING STN	13-Jan-22	09:00	13:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1042HWHSE SUP AND EQUIP	18-Jan-22	10:00	10:47	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1045HSHOP AND STORAGE	18-Jan-22	10:00	10:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1046HSTEAM PLT BLDG (D2-	13-Jan-22	14:00	13:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1050H515 AMOW ADMIN	18-Jan-22	11:00	10:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1052HWATER FIRE PUMPING	13-Jan-22	12:00	13:14	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1055HSHOP-ACFT GEN PURP	13-Jan-22	10:00	14:32	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1058HVICER'S AVE PARK	18-Jan-22	12:00	06:32	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1060HINSTRUMENT	13-Jan-22	10:00	14:36	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1068HELEC SWITCHING STN	13-Jan-22	11:00	13:19	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1073HADMIN OFFICES AND	18-Jan-22	09:00	11:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1077HMANALA MAIN	13-Jan-22	12:00	13:11	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1101HCHILLER PLANT BLDG	19-Jan-22	09:00	08:57	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1102HHEADQUARTERS MAJOR	11-Jan-22	00:00	11:10	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1105HBASE PERSONNEL	19-Jan-22	12:00	11:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1106HAILOHA CONFERENCE	14-Jan-22	07:00	12:02	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1107HELEC SWITCHING STN	13-Jan-22	09:00	13:18	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1109HELECTRIC POWER	13-Jan-22	12:00	13:22	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1110HWING HEADQUARTERS-	18-Jan-22	12:00	10:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1111HADMINISTRATIVE	13-Jan-22	14:00	13:34	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1120HHICKAM MEMORIAL	11-Jan-22	08:00	10:35	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1124HPUBLIC TOILET (D2-	13-Jan-22	12:00	14:20	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1135HELECTRICAL SWITCHING	13-Jan-22	11:00	13:19	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1153HDORM VISITING	13-Jan-22	09:00	10:39	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1156HNGIS - NAVY TDY (D2-	09-Jan-22	07:00	10:36	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1158HNGIS - NAVY TDY (D2-	12-Jan-22	10:00	10:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1160HTLF SUPPORT BLDG (D2-	12-Jan-22	07:00	10:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1166HNGIS - NAVY TDY (D2-	09-Jan-22	12:00	10:38	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1168HDORM VISITING	09-Jan-22	12:00	10:39	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1170HELEC SWITCHING STN	13-Jan-22	12:00	13:21	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1172HNGIS - NAVY TDY (D2-	11-Jan-22	10:00	10:40	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1200HBASE ENGINEER	10-Jan-22	08:00	11:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1201HWING HEADQUARTERS	10-Jan-22	10:00	10:42	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1202HBASE ENGINEER	13-Jan-22	13:00	13:47	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1203HBASE ENGINEER MAINT	13-Jan-22	14:00	13:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1204HBASE ENGINEER	13-Jan-22	10:00	11:43	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1205HBASE ENGINEER	13-Jan-22	16:00	13:48	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1207HBASE ENGINEER MAINT	13-Jan-22	15:00	13:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1212HBASE ENGINEER	13-Jan-22	13:00	13:50	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1217HSANITARY LATRINE (D2-	13-Jan-22	15:00	13:16	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1219HBE STORAGE SHED (D2-	14-Jan-22	07:00	11:09	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1220HPAVE AND EQUIP MAINT	12-Jan-22	14:00	11:10	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1222H624 CE REGIONAL SPT	13-Jan-22	07:00	10:51	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1223HBASE SUPPLY AND	14-Jan-22	00:00	11:06	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1224HELEC SWITCHING STN	13-Jan-22	00:00	11:55	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1225HPACAF BAND BLDG (D2-	13-Jan-22	13:00	13:54	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1227HSAN SEWAGE PUMP STN	15-Jan-22	10:00	11:49	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1232HHICKAM EXCHANGE	13-Jan-22	09:00	10:55	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1235HEXCHANGE SALES STORE	10-Jan-22	10:00	10:43	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1242HELEC SWITCHING STN	13-Jan-22	12:00	13:56	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1249HEXCHANGE SERVICE	13-Jan-22	09:00	10:58	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1250HEXCHANGE CAFE SNACK	15-Jan-22	07:00	10:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
Flushing Zone D2	Building 1256HHICKAM FEDERAL	11-Jan-22	10:00	10:45	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-26

Flushing Zone D2	Building 1257H/FIRST HAWAIIAN BANK	10-Jan-22	00:00	10:47	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 1280H/ELEC SWITCHING STN	18-Jan-22	13:00	13:28	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 1281H/ELECTRIC POWER	18-Jan-22	14:00	13:27	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 165H/FRONT MAIN SWITCHG	14-Jan-22	13:00	11:52	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 177MOB/DIV/SALVU ONE	13-Jan-22	10:00	13:59	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 172GUARD SHACK ALPHA PIER	18-Jan-22	08:00	11:52	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 180H/SANITARY LATRINE (D2-	13-Jan-22	16:00	13:26	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 188H/TRAFFIC CHECK HOUSE	18-Jan-22	08:00	11:30	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 192H/MAIN GATE (D2-	18-Jan-22	11:00	11:27	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2024H/692 IG/ 324 IS ADMIN	14-Jan-22	13:00	16:04	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2028H/HAIR PASSENGER	10-Jan-22	17:00	10:49	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2030H/ENGINE MAINT SHOP	13-Jan-22	14:00	14:40	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2033H/GROUND CONTROL	10-Jan-22	15:00	10:50	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2035H/SQ OPERATIONS, HGR	11-Jan-22	10:00	10:52	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2036AH/FIRE/RESCUE STATION	17-Jan-22	11:00	11:17	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2036H/FIRE/RESCUE STATION	19-Jan-22	08:00	12:05	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2037H/FLEET SVC (D2-	18-Jan-22	08:00	11:21	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2038H/ELEC SWITCHING STN	13-Jan-22	10:00	13:22	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2039H/ELEC PWR STN BLDG	13-Jan-22	12:00	13:24	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2040H/VEH LOT/ AERIAL DLVR-	17-Jan-22	10:00	11:59	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2042H/TRAFFIC CHECK HOUSE	19-Jan-22	13:00	10:37	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2045H/HQ MAJOR CMD, HGR	11-Jan-22	15:00	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2050H/BASE OPERATIONS, 800	13-Jan-22	12:00	11:00	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2051H/ELECTRIC POWER	13-Jan-22	13:00	13:25	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2060H/WING HEADQUARTERS,	18-Jan-22	12:00	14:15	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2065H/SKATEBOARD PARK	13-Jan-22	08:00	11:04	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2069H/MEDICAL STOR FOR	14-Jan-22	07:00	11:29	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2070H/ENV/IRONMENTAL	14-Jan-22	08:00	11:32	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2072H/EXCHANGE SERVICE	14-Jan-22	10:00	11:40	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2073H/EXCHANGE SERVICE	14-Jan-22	06:00	11:38	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2076H/ELECTRICAL VAULT (D2-	13-Jan-22	13:00	13:23	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2093H/STORE, COMMISSARY,	14-Jan-22	15:00	11:36	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2094H/POST OFFICE (D2-	18-Jan-22	09:00	10:54	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2096H/BURGER KING (D2-	18-Jan-22	08:00	10:55	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2098H/YOUTH FITNESS	13-Jan-22	08:00	11:06	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 210H/WTR DIST MTR HSE (D2-	09-Jan-22	00:00	10:57	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2110H/SRA WILLIAM N	19-Jan-22	13:00	12:03	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2115H/USE SUPPLY AND EQUIP	16-Jan-22	15:00	14:20	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2127H/WTR FR PMP STN (D2-	13-Jan-22	13:00	13:21	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2130H/HQ MAINT - HGR 21 (D2-	13-Jan-22	13:00	14:36	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2131H/SPACE FOR SPECIALIZED	13-Jan-22	14:00	14:33	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2133H/MAINTENANCE	13-Jan-22	08:00	14:32	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2134H/HAIR COND CENTRAL	19-Jan-22	16:00	08:56	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2135H/FUEL CELL NOSE DOCK -	13-Jan-22	12:00	14:40	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2140H/SQUADRON	18-Jan-22	11:00	10:41	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2141H/C-17 FLIGHT	13-Jan-22	08:00	14:46	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 2145H/KC 135 FLIGHT	19-Jan-22	11:00	12:07	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 318H/ELEC SWITCHING STN	13-Jan-22	12:00	13:31	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 338H/ELEC SWITCHING STN	13-Jan-22	09:00	13:26	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 367H/ELEC SWITCHING STN	18-Jan-22	10:00	13:28	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 4 BOMB SHELTER - BISHOPS	14-Jan-22	14:00	14:53	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 425H/SWIMMERS BATH HOUSE	13-Jan-22	10:00	11:14	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 443H/ELEC SWITCHING STN	13-Jan-22	10:00	13:29	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 459H/ELEC SWITCHING STN	13-Jan-22	16:00	13:30	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 45A/MDSU ONE BLDG (MALE	14-Jan-22	12:00	09:39	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 48/MDSU-1 STORAGE - BISHOPS	14-Jan-22	08:00	09:40	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 485H/ELEC SWITCHING STN	12-Jan-22	12:00	10:35	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 500H/RELIGIOUS WORSHIP	14-Jan-22	13:00	08:55	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 502H/LAW CENTER (D2-	19-Jan-22	09:00	11:47	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 503H/ELEC SWITCHING STN	12-Jan-22	10:00	10:32	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 547H/ELEC SWITCHING STN	12-Jan-22	14:00	10:31	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 54A/ESSM MAINTENANCE	11-Jan-22	09:00	09:43	<input checked="" type="checkbox"/>
Flushing Zone D2	Building 554H/OCCUPATIONAL HEALTH	11-Jan-22	00:00	10:59	<input checked="" type="checkbox"/>

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-26

Flushing Zone D2	Building 557H,DECONTAMINATION	11-Jan-22	10:00	10:54	✓	□
Flushing Zone D2	Building 559H,MEDICAL/DENTAL CLINIC	12-Jan-22	09:00	09:56	✓	□
Flushing Zone D2	Building 571H,ELEC SWITCHING STN	12-Jan-22	13:00	10:31	✓	□
Flushing Zone D2	Building 585H,ELEC SWITCHING STN	12-Jan-22	11:00	10:30	✓	□
Flushing Zone D2	Building 594H,PUBLIC TOILET (D2-	14-Jan-22	12:00	09:58	✓	□
Flushing Zone D2	Building 595H,BASE LIBRARY, 990 Mills	13-Jan-22	14:00	11:56	✓	□
Flushing Zone D2	Building 596H,ELEC SWITCHING STN	13-Jan-22	14:00	13:57	✓	□
Flushing Zone D2	Building 601H,FREEDOM TOWER (D2-	12-Jan-22	14:00	10:26	✓	□
Flushing Zone D2	Building 60A,ESSM BUILDING - BISHOP	11-Jan-22	10:00	09:43	✓	□
Flushing Zone D2	Building 613H,HICKAM ELEM - BLDG A	11-Jan-22	14:00	11:25	✓	□
Flushing Zone D2	Building 614H,HICKAM ELEM - BLDG B	10-Jan-22	14:00	11:27	✓	□
Flushing Zone D2	Building 615H,HICKAM ELEM - BLDG C	10-Jan-22	14:00	11:29	✓	□
Flushing Zone D2	Building 616H,HICKAM ELEM - BLDG D	10-Jan-22	14:00	11:32	✓	□
Flushing Zone D2	Building 617H,HICKAM ELEM - BLDG E	11-Jan-22	14:00	11:30	✓	□
Flushing Zone D2	Building 618H,HICKAM ELEM - BLDG F	10-Jan-22	14:40	11:20	✓	□
Flushing Zone D2	Building 619H,HICKAM ELEM - BLDG G	10-Jan-22	14:00	11:22	✓	□
Flushing Zone D2	Building 620H,HICKAM ELEM - BLDG H	10-Jan-22	14:00	11:31	✓	□
Flushing Zone D2	Building 621H,HICKAM ELEM - BLDG I	10-Jan-22	14:00	11:23	✓	□
Flushing Zone D2	Building 623H,HARBOR CHILD	10-Jan-22	16:00	11:15	✓	□
Flushing Zone D2	Building 625H,ELEC SWITCHING STN	12-Jan-22	16:00	10:25	✓	□
Flushing Zone D2	Building 626H,HICKAM HARBOR CDC -	17-Jan-22	15:00	11:35	✓	□
Flushing Zone D2	Building 627H,HICKAM HARBOR CDC -	17-Jan-22	15:00	11:36	✓	□
Flushing Zone D2	Building 639H,ELEC SWITCHING STN	12-Jan-22	13:00	10:21	✓	□
Flushing Zone D2	Building 640H,HICKAM ELEM BLDG K	10-Jan-22	14:00	11:34	✓	□
Flushing Zone D2	Building 641H,HICKAM ELEM P1 (D2-	10-Jan-22	14:00	11:48	✓	□
Flushing Zone D2	Building 642H,HICKAM ELEM P2 (D2-	10-Jan-22	14:00	11:46	✓	□
Flushing Zone D2	Building 643H,HICKAM ELEM P3 (D2-	10-Jan-22	14:00	11:45	✓	□
Flushing Zone D2	Building 644H,HICKAM ELEM P4 (D2-	10-Jan-22	14:00	11:47	✓	□
Flushing Zone D2	Building 645H,HICKAM ELEM - P5 (D2-	10-Jan-22	14:00	11:35	✓	□
Flushing Zone D2	Building 646H,HICKAM ELEM - P6 (D2-	10-Jan-22	14:00	11:36	✓	□
Flushing Zone D2	Building 647H,HICKAM ELEM P7 (D2-	10-Jan-22	14:00	11:44	✓	□
Flushing Zone D2	Building 648,ARMY SHIP OPS BLDG (D2-	26-Jan-22	10:00	14:40	✓	□
Flushing Zone D2	Building 648H,HICKAM ELEM P8 (D2-	10-Jan-22	14:00	11:43	✓	□
Flushing Zone D2	Building 649H,HICKAM ELEM P9 (D2-	10-Jan-22	14:00	11:40	✓	□
Flushing Zone D2	Building 650H,HICKAM ELEM P10 (D2-	10-Jan-22	14:00	11:39	✓	□
Flushing Zone D2	Building 651H,HICKAM ELEM PT-1 (D2-	10-Jan-22	14:00	11:37	✓	□
Flushing Zone D2	Building 668H,SAN SEWAGE PUMP STN	13-Jan-22	08:00	14:08	✓	□
Flushing Zone D2	Building 711H,ELEC SWITCHING STN	12-Jan-22	16:00	10:19	✓	□
Flushing Zone D2	Building 71941H,AUTO GARAGE (D2-	13-Jan-22	10:00	11:08	✓	□
Flushing Zone D2	Building 71942H,AUTO GARAGE (D2-	13-Jan-22	08:00	11:10	✓	□
Flushing Zone D2	Building 71949H,AUTO GARAGE (D2-	13-Jan-22	09:00	11:12	✓	□
Flushing Zone D2	Building 725H,NGIS - NAVY TDY (D2-	09-Jan-22	13:00	10:33	✓	□
Flushing Zone D2	Building 726H,SAN SEWAGE PUMP STN	13-Jan-22	08:00	14:07	✓	□
Flushing Zone D2	Building 72727H,VOQ DETACHED	13-Jan-22	10:00	11:14	✓	□
Flushing Zone D2	Building 727H,NGIS - NAVY TDY (D2-	09-Jan-22	13:00	11:12	✓	□
Flushing Zone D2	Building 728H,NGIS - NAVY TDY (D2-	13-Jan-22	13:00	12:12	✓	□
Flushing Zone D2	Building 72934H,GARAGE AUTOMOBILE	19-Jan-22	18:00	11:26	✓	□
Flushing Zone D2	Building 823H,ELEC SWITCHING STN	12-Jan-22	09:00	11:41	✓	□
Flushing Zone D2	Building 843H,ELEC SWITCHING STN	12-Jan-22	14:00	10:16	✓	□
Flushing Zone D2	Building 889H,ELEC SWITCHING STN	12-Jan-22	11:00	10:09	✓	□
Flushing Zone D2	Building 900H,OFFICER OPEN MESS, 10	12-Jan-22	11:00	12:08	✓	□
Flushing Zone D2	Building 901H,OFFICER OPEN MESS (D2-	13-Jan-22	15:00	12:10	✓	□
Flushing Zone D2	Building 905H,PAVILLION FOR O CLUB	13-Jan-22	14:00	12:13	✓	□
Flushing Zone D2	Building 906H,HEATING FACILITY	19-Jan-22	00:00	15:13	✓	□
Flushing Zone D2	Building 908H,ALL HANDS CLUB -	13-Jan-22	10:00	12:06	✓	□
Flushing Zone D2	Building 916H,ELEC SWITCHING STN	12-Jan-22	09:00	10:15	✓	□
Flushing Zone D2	Building 918H,HEATING FACILITY	16-Jan-22	00:00	14:03	✓	□
Flushing Zone D2	Building 920H,NGIS - NAVY TDY (D2-	13-Jan-22	12:00	12:10	✓	□
Flushing Zone D2	Building 922H,NGIS - NAVY TDY (D2-	13-Jan-22	10:00	12:06	✓	□
Flushing Zone D2	Building 924H,HEATING FACILITY	11-Jan-22	07:00	11:02	✓	□
Flushing Zone D2	Building 925H,VISITING OFFICERS	11-Jan-22	07:00	11:01	✓	□
Flushing Zone D2	Building 926H,NGIS - NAVY TDY (D2-	11-Jan-22	07:00	11:04	✓	□
Flushing Zone D2	Building 934H,ELEC SWITCHING STN	16-Jan-22	00:00	14:04	✓	□

Section 2b.1 Flushing Records and Distribution System Pressure Logs During Residential Flushing

Flushing Zone D2

2022-01-09 - 2022-01-26

Flushing Zone D2	Building 935H ELEC SWITCHING STN	12-Jan-22	10:00	10:13	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 939H ELEC SWITCHING STN	12-Jan-22	09:00	10:11	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 940H NGIS - NAVY TDY (D2-	13-Jan-22	10:00	12:03	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 941H NGIS - NAVY TDY (D2-	13-Jan-22	09:00	12:04	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 965H ELEC SWITCHING STN	12-Jan-22	14:00	10:10	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 986H ELECTRIC POWER	19-Jan-22	13:00	10:39	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 987H BASE HAZARDOUS	19-Jan-22	06:00	11:49	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 988H AIRCOM RELAY CENTER	17-Jan-22	13:00	11:55	<input checked="" type="checkbox"/>	
Flushing Zone D2	Building 989H HWN TELCOM BLDG (D2-	14-Jan-22	17:00	10:43	<input checked="" type="checkbox"/>	

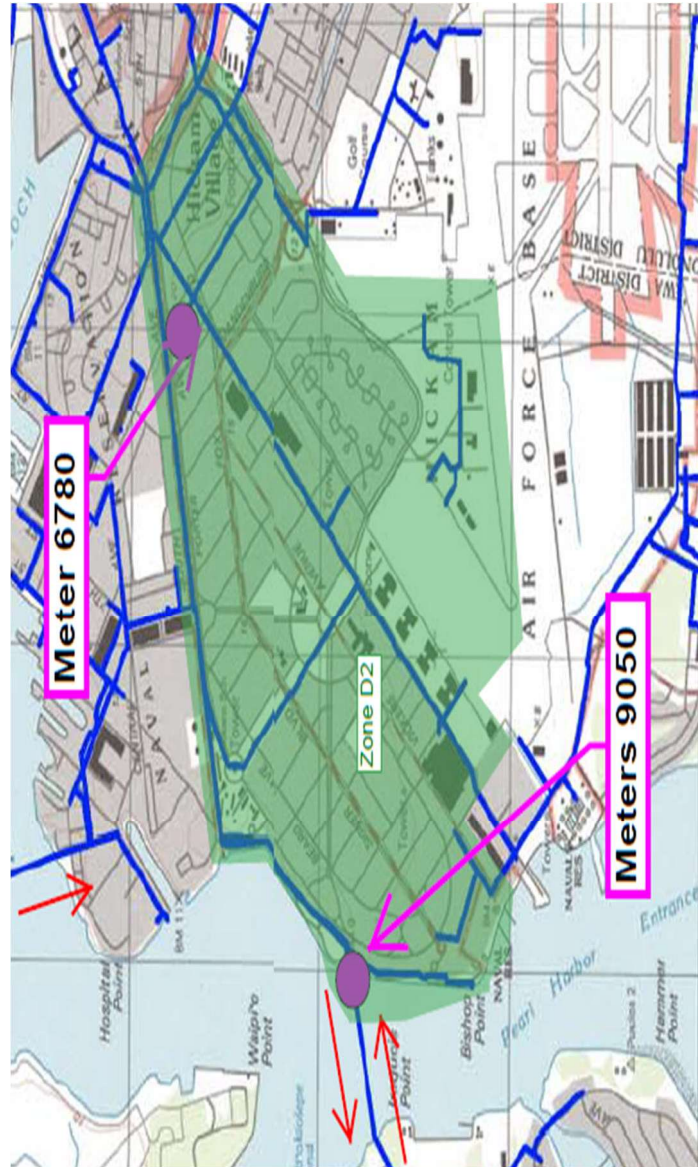
Key

Not Started

No Access

In Progress

Complete



Date	Time	Date/Time	4787	4127	4710	5004	5002	9050	7158	6780	2550	1846	1485
9-Jan-22	0:00:00	09-Jan-2200:00	60.8	32.5	71.0	68.0	68.0	68.0	69.4	61.7	34.0	59.4	61.7
9-Jan-22	0:30:00	09-Jan-2200:00	60.8	33.1	71.0	68.0	68.1	68.0	69.0	62.0	34.0	60.0	62.0
9-Jan-22	1:00:00	09-Jan-2201:00	60.8	33.5	71.0	68.0	68.2	68.0	69.0	61.7	34.0	60.0	62.0
9-Jan-22	1:30:00	09-Jan-2201:00	60.8	33.9	71.0	67.9	68.0	68.0	69.0	61.3	34.0	59.7	62.0
9-Jan-22	2:00:00	09-Jan-2202:00	60.8	34.5	71.0	67.5	68.0	68.0	69.0	61.0	34.0	59.3	61.4
9-Jan-22	2:30:00	09-Jan-2202:00	58.8	34.5	71.0	68.0	68.0	67.4	69.0	61.0	33.4	59.0	61.0
9-Jan-22	3:00:00	09-Jan-2203:00	58.8	34.5	71.0	68.0	68.0	67.3	69.0	61.0	33.2	59.0	61.0
9-Jan-22	3:30:00	09-Jan-2203:00	58.8	34.5	70.4	67.4	68.0	67.0	68.7	61.0	33.0	59.0	61.0
9-Jan-22	4:00:00	09-Jan-2204:00	58.8	34.5	70.0	67.0	67.4	67.0	68.5	61.0	33.0	59.0	61.0
9-Jan-22	4:30:00	09-Jan-2204:00	64.8	34.5	72.4	74.6	72.4	69.5	69.4	62.0	33.7	60.0	61.9
9-Jan-22	5:00:00	09-Jan-2205:00	68.1	34.5	78.0	75.0	75.6	69.7	72.0	63.1	35.0	61.0	63.5
9-Jan-22	5:30:00	09-Jan-2205:00	68.1	34.5	78.0	75.0	75.6	70.0	72.3	64.0	35.0	61.0	63.7
9-Jan-22	6:00:00	09-Jan-2206:00	68.1	35.7	78.1	75.4	76.0	70.1	72.8	64.0	35.2	61.9	64.0
9-Jan-22	6:30:00	09-Jan-2206:00	68.1	35.9	78.2	75.4	76.0	70.8	72.7	64.0	35.7	61.5	64.0
9-Jan-22	7:00:00	09-Jan-2207:00	68.1	34.6	78.0	75.0	75.6	70.0	72.7	64.0	36.0	61.9	64.0
9-Jan-22	7:30:00	09-Jan-2207:00	68.1	35.7	78.0	75.0	75.3	70.0	72.7	64.0	36.0	61.5	64.0
9-Jan-22	8:00:00	09-Jan-2208:00	68.1	36.4	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.3	64.0
9-Jan-22	8:30:00	09-Jan-2208:00	68.1	35.5	78.0	75.0	75.0	70.0	72.7	64.0	36.0	61.6	64.0
9-Jan-22	9:00:00	09-Jan-2209:00	68.1	35.5	78.0	75.0	75.1	70.0	73.0	64.0	36.0	61.9	64.0
9-Jan-22	9:30:00	09-Jan-2209:00	68.8	35.5	78.8	75.3	75.5	70.5	73.0	64.6	36.0	61.7	64.0
9-Jan-22	10:00:00	09-Jan-2210:00	70.1	35.5	79.0	75.3	75.0	70.7	73.0	64.5	36.0	62.0	64.0
9-Jan-22	10:30:00	09-Jan-2210:00	70.1	35.5	78.2	75.0	75.0	70.0	73.0	64.0	36.0	62.0	64.0
9-Jan-22	11:00:00	09-Jan-2211:00	70.1	35.5	78.0	75.0	75.0	70.3	73.0	64.5	36.0	62.0	64.3
9-Jan-22	11:30:00	09-Jan-2211:00	70.1	35.5	79.0	75.3	75.0	71.0	73.0	64.7	36.0	62.0	64.3
9-Jan-22	12:00:00	09-Jan-2212:00	70.1	35.5	79.0	75.6	75.3	71.0	73.0	64.7	36.3	62.5	65.0
9-Jan-22	12:30:00	09-Jan-2212:00	70.1	34.9	79.0	75.7	76.0	71.0	74.0	64.4	36.5	62.7	65.0
9-Jan-22	13:00:00	09-Jan-2213:00	70.1	32.5	79.0	76.0	76.0	71.0	74.0	65.0	36.7	63.0	65.0
9-Jan-22	13:30:00	09-Jan-2213:00	70.1	32.5	79.0	76.0	76.0	71.0	74.0	65.0	37.0	63.0	65.0
9-Jan-22	14:00:00	09-Jan-2214:00	70.1	33.3	79.0	76.0	76.0	71.0	74.0	65.0	37.0	63.0	65.0
9-Jan-22	14:30:00	09-Jan-2214:00	62.6	33.5	76.4	71.3	71.8	69.7	71.7	64.0	36.1	61.8	62.6
9-Jan-22	15:00:00	09-Jan-2215:00	61.4	33.6	72.0	69.0	69.0	68.7	70.0	62.4	35.0	60.4	63.0
9-Jan-22	15:30:00	09-Jan-2215:00	61.4	34.8	72.0	69.0	68.7	68.1	70.0	62.0	34.0	60.2	62.9
9-Jan-22	16:00:00	09-Jan-2216:00	59.8	35.5	71.6	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
9-Jan-22	16:30:00	09-Jan-2216:00	59.4	35.5	71.0	68.0	68.0	68.0	69.7	61.9	34.0	59.5	62.0
9-Jan-22	17:00:00	09-Jan-2217:00	59.4	35.5	71.0	68.0	68.0	67.6	69.0	61.3	33.5	59.0	61.2
9-Jan-22	17:30:00	09-Jan-2217:00	64.4	35.5	75.6	73.8	69.3	69.7	69.8	61.8	33.6	59.9	62.0

9-Jan-22	18:00:00	09-Jan-2218:00	68.1	34.8	78.2	74.2	74.3	70.0	72.0	63.7	35.0	61.0	63.9
9-Jan-22	18:30:00	09-Jan-2218:00	68.1	34.5	78.0	74.3	74.2	70.0	72.3	63.7	35.0	61.3	63.9
9-Jan-22	19:00:00	09-Jan-2219:00	68.1	33.0	77.7	74.0	74.4	70.0	72.3	63.6	35.0	61.6	63.9
9-Jan-22	19:30:00	09-Jan-2219:00	68.1	33.1	77.4	74.4	74.1	70.0	72.0	63.3	35.0	61.0	63.8
9-Jan-22	20:00:00	09-Jan-2220:00	68.1	33.5	78.0	74.8	75.0	70.0	72.6	63.9	35.9	61.7	64.0
9-Jan-22	20:30:00	09-Jan-2220:00	68.1	33.5	78.0	74.4	74.7	70.0	73.0	64.0	36.0	61.7	64.0
9-Jan-22	21:00:00	09-Jan-2221:00	68.1	33.5	78.2	75.2	75.2	70.5	73.0	64.0	36.0	62.0	64.0
9-Jan-22	21:30:00	09-Jan-2221:00	68.1	33.5	79.0	76.0	76.0	71.0	73.0	64.8	36.0	62.0	64.7
9-Jan-22	22:00:00	09-Jan-2222:00	69.5	33.5	79.0	76.0	76.0	71.0	73.0	65.0	36.0	62.4	65.0
9-Jan-22	22:30:00	09-Jan-2222:00	70.1	33.5	79.0	76.0	76.0	71.0	73.4	65.0	36.7	62.7	65.0
9-Jan-22	23:00:00	09-Jan-2223:00	70.1	33.5	79.0	76.0	76.0	71.1	74.0	65.0	37.0	63.0	65.0
9-Jan-22	23:30:00	09-Jan-2223:00	70.1	33.6	79.8	76.5	76.2	72.0	74.0	65.0	37.0	63.0	65.0
10-Jan-22	0:00:00	10-Jan-2200:00	70.1	34.5	79.0	76.0	76.3	71.4	74.0	65.0	37.0	63.0	65.0
10-Jan-22	0:30:00	10-Jan-2200:00	70.1	34.3	79.8	76.8	76.8	72.0	74.3	65.6	37.0	63.1	65.3
10-Jan-22	1:00:00	10-Jan-2201:00	70.1	32.5	80.0	76.7	77.0	72.0	74.0	66.0	37.3	63.2	66.0
10-Jan-22	1:30:00	10-Jan-2201:00	70.1	32.8	80.0	77.0	77.6	72.7	74.8	66.0	37.8	63.6	66.0
10-Jan-22	2:00:00	10-Jan-2202:00	62.6	34.5	76.0	71.2	71.9	70.5	70.6	64.6	36.4	62.5	64.7
10-Jan-22	2:30:00	10-Jan-2202:00	62.5	34.9	73.0	70.6	70.7	70.0	71.5	64.0	36.0	62.0	64.0
10-Jan-22	3:00:00	10-Jan-2203:00	62.5	35.5	73.0	70.0	70.2	70.0	71.0	63.9	36.0	61.5	63.7
10-Jan-22	3:30:00	10-Jan-2203:00	62.5	35.4	73.0	69.9	70.3	69.7	71.0	63.0	35.7	61.0	63.5
10-Jan-22	4:00:00	10-Jan-2204:00	60.9	34.5	73.0	69.0	70.0	69.2	70.4	63.0	35.1	61.0	63.0
10-Jan-22	4:30:00	10-Jan-2204:00	60.5	34.5	73.0	69.0	70.0	69.0	70.0	63.0	35.0	61.0	63.0
10-Jan-22	5:00:00	10-Jan-2205:00	60.5	34.5	72.2	69.0	69.5	69.0	70.0	62.1	34.8	60.7	62.7
10-Jan-22	5:30:00	10-Jan-2205:00	60.5	35.4	72.0	69.0	69.0	68.2	70.0	62.0	34.3	60.2	62.0
10-Jan-22	6:00:00	10-Jan-2206:00	60.5	35.5	71.0	68.0	68.6	68.0	69.8	62.0	34.0	59.9	62.0
10-Jan-22	6:30:00	10-Jan-2206:00	60.5	35.1	71.0	68.0	68.0	67.8	69.0	61.0	33.7	59.0	61.6
10-Jan-22	7:00:00	10-Jan-2207:00	58.6	35.2	71.0	67.4	68.0	67.0	69.0	61.0	33.3	59.0	61.0
10-Jan-22	7:30:00	10-Jan-2207:00	58.4	35.5	71.0	67.5	68.0	67.3	69.0	60.9	33.0	59.0	60.9
10-Jan-22	8:00:00	10-Jan-2208:00	66.1	33.9	71.4	71.2	72.0	68.3	70.6	61.2	33.9	59.5	62.6
10-Jan-22	8:30:00	10-Jan-2208:00	67.6	33.0	77.0	74.0	74.0	69.0	71.1	62.7	34.7	61.0	63.0
10-Jan-22	9:00:00	10-Jan-2209:00	67.6	34.3	77.0	74.0	74.2	69.3	72.0	63.0	35.0	60.8	63.0
10-Jan-22	9:30:00	10-Jan-2209:00	67.6	35.3	77.3	74.0	74.0	69.7	72.0	63.0	35.0	61.0	63.0
10-Jan-22	10:00:00	10-Jan-2210:00	67.6	36.9	77.3	74.0	74.0	69.4	72.0	63.0	35.0	61.0	63.3
10-Jan-22	10:30:00	10-Jan-2210:00	67.6	35.5	78.0	74.0	74.0	69.6	72.0	63.0	35.0	61.3	63.6
10-Jan-22	11:00:00	10-Jan-2211:00	68.1	34.9	78.0	74.3	74.3	69.8	72.3	63.4	35.0	61.3	63.9
10-Jan-22	11:30:00	10-Jan-2211:00	69.7	32.5	78.0	74.4	74.4	70.0	72.7	64.0	35.7	61.9	64.0
10-Jan-22	12:00:00	10-Jan-2212:00	69.7	32.5	78.0	75.0	75.0	70.2	73.0	64.0	36.0	61.7	64.0
10-Jan-22	12:30:00	10-Jan-2212:00	69.7	32.7	78.3	75.0	75.0	70.1	73.0	64.0	36.0	62.0	64.0

10-Jan-22	13:00:00	10-Jan-2213:00	69.7	35.0	79.0	75.0	75.3	70.4	73.0	64.6	36.0	62.0	64.3
10-Jan-22	13:30:00	10-Jan-2213:00	69.7	35.5	78.4	75.0	75.3	71.0	73.0	64.1	36.0	62.0	64.6
10-Jan-22	14:00:00	10-Jan-2214:00	69.7	34.7	78.0	75.0	75.0	71.0	73.0	64.7	36.3	62.3	64.8
10-Jan-22	14:30:00	10-Jan-2214:00	69.7	34.5	78.0	75.0	75.3	70.9	73.0	64.7	36.3	62.1	64.7
10-Jan-22	15:00:00	10-Jan-2215:00	69.7	34.5	78.0	75.3	75.2	71.1	73.0	64.9	36.3	62.5	64.6
10-Jan-22	15:30:00	10-Jan-2215:00	69.7	35.1	78.6	75.6	75.6	71.0	74.0	64.8	37.0	62.9	64.8
10-Jan-22	16:00:00	10-Jan-2216:00	69.7	35.5	79.0	75.0	74.9	71.0	74.0	65.0	37.0	62.7	65.0
10-Jan-22	16:30:00	10-Jan-2216:00	69.7	35.5	79.0	75.8	75.4	71.3	74.0	65.0	37.0	63.0	65.0
10-Jan-22	17:00:00	10-Jan-2217:00	69.7	35.5	79.0	75.1	75.0	71.0	74.0	65.0	37.0	63.0	65.0
10-Jan-22	17:30:00	10-Jan-2217:00	69.7	35.5	79.0	75.0	74.7	71.1	74.0	65.0	37.0	63.0	65.0
10-Jan-22	18:00:00	10-Jan-2218:00	67.8	35.5	78.9	74.4	73.4	71.4	73.8	65.0	36.9	63.0	64.5
10-Jan-22	18:30:00	10-Jan-2218:00	61.1	34.8	72.0	68.0	67.6	69.0	70.8	63.0	35.2	61.1	62.7
10-Jan-22	19:00:00	10-Jan-2219:00	59.1	31.8	71.4	67.1	66.1	68.2	70.0	62.0	34.4	60.2	62.0
10-Jan-22	19:30:00	10-Jan-2219:00	59.1	32.3	71.0	67.0	66.0	67.7	69.5	61.7	34.0	59.7	62.0
10-Jan-22	20:00:00	10-Jan-2220:00	59.1	34.5	70.5	66.2	65.2	67.2	69.0	61.3	34.0	59.2	61.6
10-Jan-22	20:30:00	10-Jan-2220:00	59.1	34.5	70.0	66.0	65.0	67.0	69.0	61.0	33.0	59.0	61.0
10-Jan-22	21:00:00	10-Jan-2221:00	62.6	34.5	70.0	67.5	66.4	67.0	70.7	61.1	33.0	59.3	61.1
10-Jan-22	21:30:00	10-Jan-2221:00	68.6	34.5	72.4	72.4	71.0	69.4	72.0	63.5	34.4	61.0	63.4
10-Jan-22	22:00:00	10-Jan-2222:00	68.6	32.3	77.0	72.7	70.7	70.0	72.0	64.0	35.0	61.4	64.0
10-Jan-22	22:30:00	10-Jan-2222:00	68.6	31.6	77.0	73.0	71.9	70.0	72.0	64.0	35.9	62.0	64.0
10-Jan-22	23:00:00	10-Jan-2223:00	68.6	31.8	77.0	73.0	71.0	70.0	72.0	64.0	36.0	62.0	64.0
10-Jan-22	23:30:00	10-Jan-2223:00	68.6	33.4	77.3	73.3	72.1	70.8	72.9	64.0	36.0	62.0	64.0
11-Jan-22	0:00:00	11-Jan-2200:00	68.6	33.6	77.9	73.0	71.6	70.4	73.0	64.0	36.0	62.0	64.0
11-Jan-22	0:30:00	11-Jan-2200:00	68.6	34.5	77.6	73.0	71.0	71.0	73.0	64.7	36.0	62.0	64.4
11-Jan-22	1:00:00	11-Jan-2201:00	68.6	34.5	78.0	73.4	71.0	71.0	73.0	65.0	36.2	62.6	65.0
11-Jan-22	1:30:00	11-Jan-2201:00	68.6	35.2	78.0	74.0	71.5	71.0	73.3	65.0	36.7	63.0	65.0
11-Jan-22	2:00:00	11-Jan-2202:00	68.6	35.5	78.0	74.0	72.0	71.7	74.0	65.0	37.0	63.0	65.0
11-Jan-22	2:30:00	11-Jan-2202:00	68.6	35.5	78.0	74.2	72.8	72.0	74.0	65.4	37.0	63.0	65.3
11-Jan-22	3:00:00	11-Jan-2203:00	68.6	35.3	78.9	74.7	73.7	72.0	74.0	66.0	37.0	63.0	66.0
11-Jan-22	3:30:00	11-Jan-2203:00	70.0	34.5	79.0	75.3	74.0	72.0	74.0	66.0	37.9	64.0	66.0
11-Jan-22	4:00:00	11-Jan-2204:00	63.0	34.5	79.0	71.2	69.8	70.5	72.2	64.3	36.3	62.6	64.1
11-Jan-22	4:30:00	11-Jan-2204:00	61.9	35.2	75.8	68.3	67.0	69.3	70.8	63.0	35.5	61.0	63.0
11-Jan-22	5:00:00	11-Jan-2205:00	59.9	35.5	72.0	67.7	67.0	68.7	70.0	62.6	35.0	60.7	62.7
11-Jan-22	5:30:00	11-Jan-2205:00	59.9	35.5	71.0	68.0	67.0	68.0	70.0	62.0	34.2	60.3	62.2
11-Jan-22	6:00:00	11-Jan-2206:00	59.9	35.5	71.0	67.2	66.7	68.0	69.1	61.9	34.0	60.0	62.0
11-Jan-22	6:30:00	11-Jan-2206:00	59.9	35.5	71.0	66.7	66.0	67.6	69.0	61.0	34.0	59.4	61.2
11-Jan-22	7:00:00	11-Jan-2207:00	57.9	35.5	69.3	66.1	65.7	66.2	68.1	60.3	32.4	57.4	60.2
11-Jan-22	7:30:00	11-Jan-2207:00	57.7	35.5	69.0	65.7	65.4	65.7	67.5	59.7	31.8	57.0	59.6

11-Jan-22	8:00:00	11-Jan-2208:00	59.4	34.7	69.0	65.1	64.9	67.2	59.1	31.2	56.5	59.2
11-Jan-22	8:30:00	11-Jan-2208:00	66.2	34.4	75.9	72.3	67.8	70.8	62.2	33.2	58.7	61.8
11-Jan-22	9:00:00	11-Jan-2209:00	66.2	33.5	76.0	73.0	68.3	70.9	62.0	33.6	59.0	62.0
11-Jan-22	9:30:00	11-Jan-2209:00	66.2	33.5	76.0	72.8	68.0	71.0	62.0	34.0	59.3	62.0
11-Jan-22	10:00:00	11-Jan-2210:00	67.0	33.5	76.5	73.4	68.0	71.0	62.0	33.7	59.0	62.0
11-Jan-22	10:30:00	11-Jan-2210:00	68.2	34.0	77.0	73.1	68.0	71.0	62.0	34.0	59.0	62.0
11-Jan-22	11:00:00	11-Jan-2211:00	68.2	33.1	76.8	73.5	68.0	71.0	62.3	34.0	59.4	62.0
11-Jan-22	11:30:00	11-Jan-2211:00	68.2	32.5	76.6	73.0	68.6	71.9	62.8	34.0	60.0	62.0
11-Jan-22	12:00:00	11-Jan-2212:00	68.2	32.6	77.0	74.0	69.0	71.6	62.4	34.0	60.0	62.0
11-Jan-22	12:30:00	11-Jan-2212:00	68.2	34.6	77.0	73.7	68.7	71.4	62.8	34.0	60.0	62.7
11-Jan-22	13:00:00	11-Jan-2213:00	68.2	35.5	77.0	74.0	69.0	72.0	63.0	34.0	60.0	63.0
11-Jan-22	13:30:00	11-Jan-2213:00	68.2	35.5	77.0	74.0	69.0	71.7	63.0	34.0	60.0	62.9
11-Jan-22	14:00:00	11-Jan-2214:00	68.2	34.8	77.0	74.0	69.0	72.0	63.0	34.0	60.0	62.8
11-Jan-22	14:30:00	11-Jan-2214:00	68.2	33.7	77.0	73.7	69.0	72.0	63.0	34.0	60.0	63.0
11-Jan-22	15:00:00	11-Jan-2215:00	68.2	33.5	77.0	74.0	69.0	72.0	63.0	34.4	60.0	63.0
11-Jan-22	15:30:00	11-Jan-2215:00	68.2	33.5	77.0	74.0	69.0	72.0	63.0	34.1	60.0	63.0
11-Jan-22	16:00:00	11-Jan-2216:00	68.2	33.5	77.0	74.0	69.0	72.0	63.0	34.3	60.0	63.0
11-Jan-22	16:30:00	11-Jan-2216:00	68.2	33.5	77.0	74.0	69.0	72.0	63.0	34.5	60.0	63.0
11-Jan-22	17:00:00	11-Jan-2217:00	68.2	33.5	77.0	72.3	69.0	72.0	63.0	35.0	60.0	63.0
11-Jan-22	17:30:00	11-Jan-2217:00	68.2	33.5	76.1	73.0	69.0	72.0	63.0	34.6	60.0	63.0
11-Jan-22	18:00:00	11-Jan-2218:00	68.2	33.5	76.8	72.5	69.0	71.4	63.0	34.0	60.0	63.0
11-Jan-22	18:30:00	11-Jan-2218:00	68.2	33.5	76.0	71.4	69.0	71.3	63.0	34.0	60.0	63.0
11-Jan-22	19:00:00	11-Jan-2219:00	66.2	33.5	76.0	70.3	69.0	71.2	62.1	34.0	60.0	62.4
11-Jan-22	19:30:00	11-Jan-2219:00	66.2	34.0	76.0	67.5	69.0	71.0	62.1	34.0	60.0	62.0
11-Jan-22	20:00:00	11-Jan-2220:00	66.2	34.5	75.4	66.0	69.0	71.0	62.1	34.0	60.0	62.0
11-Jan-22	20:30:00	11-Jan-2220:00	66.2	34.5	75.1	66.3	68.4	71.0	62.0	34.0	60.0	62.0
11-Jan-22	21:00:00	11-Jan-2221:00	66.2	34.5	75.0	65.4	68.4	71.0	62.0	34.0	60.0	62.0
11-Jan-22	21:30:00	11-Jan-2221:00	66.2	34.5	75.0	66.3	69.0	71.0	62.1	34.0	60.0	62.0
11-Jan-22	22:00:00	11-Jan-2222:00	66.2	32.1	75.2	66.0	69.0	71.0	62.7	34.0	60.0	62.5
11-Jan-22	22:30:00	11-Jan-2222:00	66.2	30.6	76.0	66.6	69.0	71.0	63.0	34.0	60.0	62.7
11-Jan-22	23:00:00	11-Jan-2223:00	66.2	31.1	75.3	65.1	69.0	71.0	63.0	34.0	60.0	62.7
11-Jan-22	23:30:00	11-Jan-2223:00	66.2	31.9	75.5	66.5	69.0	71.3	63.0	34.3	60.0	63.0
12-Jan-22	0:00:00	12-Jan-2200:00	66.2	32.5	76.0	65.0	69.0	71.0	63.0	34.0	60.0	63.0
12-Jan-22	0:30:00	12-Jan-2200:30	66.2	32.6	76.0	65.8	69.0	71.3	63.0	34.3	60.0	63.0
12-Jan-22	1:00:00	12-Jan-2201:00	66.2	33.5	75.3	66.3	69.0	71.7	63.0	34.0	60.0	63.0
12-Jan-22	1:30:00	12-Jan-2201:30	66.2	34.0	75.0	66.6	69.0	72.0	63.0	34.8	60.0	63.0
12-Jan-22	2:00:00	12-Jan-2202:00	66.2	34.5	75.8	66.3	69.0	72.0	63.0	35.0	60.0	63.0
12-Jan-22	2:30:00	12-Jan-2202:30	66.2	34.5	76.0	66.4	69.7	72.0	63.0	35.0	60.6	63.0

12-Jan-22	3:00:00	12-Jan-2203:00	66.2	34.5	76.0	71.0	67.5	70.0	72.0	63.0	35.0	60.6	63.0
12-Jan-22	3:30:00	12-Jan-2203:30	67.7	34.5	76.6	71.3	68.9	70.0	72.0	63.5	35.0	60.9	63.2
12-Jan-22	4:00:00	12-Jan-2204:00	68.2	33.9	76.5	71.2	67.4	70.0	72.0	63.1	35.0	61.0	63.1
12-Jan-22	4:30:00	12-Jan-2204:30	68.2	31.9	76.0	71.4	68.0	70.0	72.0	63.0	35.0	61.0	63.0
12-Jan-22	5:00:00	12-Jan-2205:00	68.2	32.7	76.3	71.2	68.0	70.0	72.0	63.0	35.0	60.7	63.0
12-Jan-22	5:30:00	12-Jan-2205:30	68.2	35.5	76.0	71.4	68.1	69.1	72.0	63.0	35.0	60.5	63.0
12-Jan-22	6:00:00	12-Jan-2206:00	68.2	35.5	76.0	71.5	69.2	69.3	72.0	63.0	35.0	60.3	63.0
12-Jan-22	6:30:00	12-Jan-2206:30	68.2	34.6	76.3	71.6	69.6	69.6	72.0	63.1	35.1	60.2	63.1
12-Jan-22	7:00:00	12-Jan-2207:00	68.2	34.2	77.0	73.1	71.1	70.0	72.5	64.0	36.0	61.9	64.0
12-Jan-22	7:30:00	12-Jan-2207:30	68.2	33.0	77.0	73.5	72.3	70.0	72.1	64.0	36.0	62.0	64.0
12-Jan-22	8:00:00	12-Jan-2208:00	68.2	33.0	76.9	73.0	72.0	70.0	72.0	63.8	36.0	62.0	64.0
12-Jan-22	8:30:00	12-Jan-2208:30	68.2	32.2	76.8	73.0	72.5	70.0	72.0	63.9	36.0	61.7	64.0
12-Jan-22	9:00:00	12-Jan-2209:00	68.2	30.0	77.0	73.3	73.1	70.0	72.0	64.0	36.0	62.0	64.0
12-Jan-22	9:30:00	12-Jan-2209:30	68.2	29.3	77.0	73.7	74.0	70.6	72.3	64.3	36.0	62.3	64.6
12-Jan-22	10:00:00	12-Jan-2210:00	68.2	29.5	77.0	74.0	72.9	70.0	72.4	64.2	36.0	62.0	64.0
12-Jan-22	10:30:00	12-Jan-2210:30	68.2	29.6	78.0	74.7	74.1	70.7	73.0	64.7	36.0	62.1	64.3
12-Jan-22	11:00:00	12-Jan-2211:00	68.2	29.6	78.0	74.4	73.9	71.0	73.0	64.7	36.0	62.2	64.7
12-Jan-22	11:30:00	12-Jan-2211:30	69.9	29.6	78.3	74.7	74.9	71.0	73.0	65.0	36.5	62.3	65.0
12-Jan-22	12:00:00	12-Jan-2212:00	70.2	29.6	78.0	75.0	74.5	71.0	73.0	65.0	36.7	62.7	65.0
12-Jan-22	12:30:00	12-Jan-2212:30	70.2	29.6	78.4	75.0	74.1	71.0	73.7	65.0	37.0	63.0	65.0
12-Jan-22	13:00:00	12-Jan-2213:00	70.2	29.6	79.2	75.8	75.5	71.9	74.2	65.9	37.3	63.7	65.6
12-Jan-22	13:30:00	12-Jan-2213:30	70.2	29.6	80.0	76.6	76.6	72.5	75.0	67.0	38.0	64.0	66.0
12-Jan-22	14:00:00	12-Jan-2214:00	62.3	28.9	75.5	73.1	72.8	71.6	73.6	65.0	36.6	62.3	64.8
12-Jan-22	14:30:00	12-Jan-2214:30	61.8	28.6	73.0	69.8	70.0	70.3	71.3	64.0	36.0	62.0	64.0
12-Jan-22	15:00:00	12-Jan-2215:00	61.8	27.9	73.0	69.9	70.6	70.0	71.0	64.0	36.0	62.0	64.0
12-Jan-22	15:30:00	12-Jan-2215:30	61.8	28.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.7	64.0
12-Jan-22	16:00:00	12-Jan-2216:00	61.8	29.8	72.8	69.5	69.8	70.0	71.0	64.0	36.0	62.0	64.0
12-Jan-22	16:30:00	12-Jan-2216:30	61.8	30.9	72.9	69.6	69.9	70.0	71.0	63.8	35.9	61.4	63.3
12-Jan-22	17:00:00	12-Jan-2217:00	61.8	31.6	72.0	69.0	69.2	69.7	71.0	63.0	35.0	61.3	63.0
12-Jan-22	17:30:00	12-Jan-2217:30	59.9	31.6	72.0	68.1	68.8	68.2	70.0	62.3	34.6	60.2	62.6
12-Jan-22	18:00:00	12-Jan-2218:00	59.7	31.6	71.3	67.3	67.6	68.0	69.2	61.7	34.0	59.7	62.0
12-Jan-22	18:30:00	12-Jan-2218:30	61.9	31.6	71.0	67.0	67.0	67.2	69.1	61.3	33.7	59.5	61.6
12-Jan-22	19:00:00	12-Jan-2219:00	68.6	31.6	76.9	74.1	73.9	69.9	72.0	63.4	33.9	60.9	63.4
12-Jan-22	19:30:00	12-Jan-2219:30	68.6	31.6	77.2	74.5	74.0	70.0	72.0	63.7	35.0	61.3	64.0
12-Jan-22	20:00:00	12-Jan-2220:00	68.6	31.6	78.0	74.4	74.3	70.0	72.0	64.0	35.4	61.0	64.0
12-Jan-22	20:30:00	12-Jan-2220:30	68.6	32.1	78.0	74.7	75.0	70.0	72.8	64.0	36.0	61.7	64.0
12-Jan-22	21:00:00	12-Jan-2221:00	68.6	32.7	78.0	75.0	75.0	70.3	73.0	64.0	36.0	62.0	64.0
12-Jan-22	21:30:00	12-Jan-2221:30	68.6	33.8	78.2	75.2	75.2	71.0	73.0	64.0	36.0	62.0	64.3

12-Jan-22	22:00:00	12-Jan-2222:00	68.6	33.9	79.0	76.0	75.7	71.0	73.9	65.0	36.1	62.5	65.0
12-Jan-22	22:30:00	12-Jan-2222:30	69.1	33.3	79.0	76.0	76.3	71.4	74.0	65.0	37.0	63.0	65.0
12-Jan-22	23:00:00	12-Jan-2223:00	70.6	26.2	79.0	76.0	76.3	72.0	74.0	65.1	37.0	63.0	65.1
12-Jan-22	23:30:00	12-Jan-2223:30	70.6	19.4	79.7	76.1	77.0	72.0	74.0	66.0	37.0	63.3	66.0
13-Jan-22	0:00:00	13-Jan-2200:00	70.6	17.0	79.4	76.4	77.0	72.0	74.3	66.0	37.1	63.2	66.0
13-Jan-22	0:30:00	13-Jan-2200:30	69.8	17.2	79.4	77.0	77.0	72.1	75.0	66.0	38.0	64.0	66.0
13-Jan-22	1:00:00	13-Jan-2201:00	61.6	24.1	76.1	71.1	71.3	70.5	72.3	64.3	36.2	62.5	64.1
13-Jan-22	1:30:00	13-Jan-2201:30	61.6	33.6	73.0	70.0	70.0	70.0	71.2	64.0	36.0	62.0	64.0
13-Jan-22	2:00:00	13-Jan-2202:00	61.6	33.5	73.0	69.7	70.0	69.8	71.0	63.7	36.0	62.0	64.0
13-Jan-22	2:30:00	13-Jan-2202:30	61.6	35.3	73.0	70.0	70.0	70.0	71.0	63.7	36.0	62.0	64.0
13-Jan-22	3:00:00	13-Jan-2203:00	61.6	35.5	73.0	70.0	70.0	70.0	71.0	63.4	35.7	61.3	63.4
13-Jan-22	3:30:00	13-Jan-2203:30	61.6	35.5	73.0	70.0	70.0	69.6	71.0	63.0	35.3	61.0	63.5
13-Jan-22	4:00:00	13-Jan-2204:00	61.6	35.7	73.0	69.5	70.0	69.0	70.4	63.0	35.0	61.0	63.0
13-Jan-22	4:30:00	13-Jan-2204:30	61.6	36.4	72.0	69.0	69.6	69.0	70.3	63.0	35.0	61.0	63.0
13-Jan-22	5:00:00	13-Jan-2205:00	61.6	35.3	72.0	68.8	69.0	68.2	70.2	62.0	34.7	60.0	62.1
13-Jan-22	5:30:00	13-Jan-2205:30	69.4	34.5	76.6	75.3	75.8	70.8	74.4	63.8	35.5	61.8	63.5
13-Jan-22	6:00:00	13-Jan-2206:00	69.4	33.9	78.5	75.5	75.7	70.7	73.0	64.1	36.0	62.0	64.0
13-Jan-22	6:30:00	13-Jan-2206:30	69.4	35.5	78.7	75.3	75.6	70.7	73.3	64.0	36.0	62.0	64.0
13-Jan-22	7:00:00	13-Jan-2207:00	69.4	35.5	78.5	74.7	75.0	70.7	73.0	64.1	36.0	62.4	64.6
13-Jan-22	7:30:00	13-Jan-2207:30	69.4	35.5	78.0	75.4	75.0	70.9	73.6	64.4	36.7	62.7	64.7
13-Jan-22	8:00:00	13-Jan-2208:00	69.4	34.8	78.5	75.2	75.3	70.8	73.6	64.7	36.7	62.3	64.7
13-Jan-22	8:30:00	13-Jan-2208:30	69.4	34.5	78.4	75.0	75.0	71.0	73.6	65.0	37.0	62.9	65.0
13-Jan-22	9:00:00	13-Jan-2209:00	69.4	34.5	79.0	76.0	75.6	71.7	73.8	65.0	37.0	63.0	65.0
13-Jan-22	9:30:00	13-Jan-2209:30	69.4	34.2	79.3	76.0	76.4	71.5	74.0	65.4	37.0	63.0	65.0
13-Jan-22	10:00:00	13-Jan-2210:00	65.7	33.5	79.0	75.0	75.6	70.6	74.0	64.6	36.6	61.2	64.5
13-Jan-22	10:30:00	13-Jan-2210:30	61.3	33.5	73.1	69.0	69.1	68.3	70.3	62.3	35.0	60.7	62.9
13-Jan-22	11:00:00	13-Jan-2211:00	61.3	33.7	72.0	69.0	69.3	68.4	70.3	62.0	35.0	60.7	62.5
13-Jan-22	11:30:00	13-Jan-2211:30	59.9	35.4	71.7	68.4	69.0	68.5	70.0	62.3	34.2	60.0	62.4
13-Jan-22	12:00:00	13-Jan-2212:00	59.2	35.5	72.0	68.0	69.0	68.0	70.0	62.0	34.3	60.0	62.0
13-Jan-22	12:30:00	13-Jan-2212:30	59.2	35.5	71.5	67.8	68.2	67.5	69.1	61.7	33.7	59.3	62.0
13-Jan-22	13:00:00	13-Jan-2213:00	59.2	35.5	71.0	67.9	67.7	67.3	69.0	61.0	32.7	59.3	61.0
13-Jan-22	13:30:00	13-Jan-2213:30	59.2	35.0	71.0	67.4	68.0	67.0	69.0	61.0	33.0	58.7	61.0
13-Jan-22	14:00:00	13-Jan-2214:00	59.2	34.5	70.4	67.1	67.1	66.2	68.1	60.6	32.7	58.4	60.6
13-Jan-22	14:30:00	13-Jan-2214:30	63.2	34.5	70.0	68.2	68.5	67.2	68.8	60.8	33.2	58.8	60.7
13-Jan-22	15:00:00	13-Jan-2215:00	67.9	34.5	76.3	74.2	74.8	69.3	72.0	63.3	34.6	61.0	63.0
13-Jan-22	15:30:00	13-Jan-2215:30	67.9	34.5	77.3	74.0	74.4	69.9	72.0	63.5	34.7	61.0	63.3
13-Jan-22	16:00:00	13-Jan-2216:00	67.9	34.4	77.0	74.2	74.8	69.7	72.0	63.7	35.0	61.1	63.6
13-Jan-22	16:30:00	13-Jan-2216:30	67.9	33.5	77.6	75.0	75.3	70.0	72.7	64.0	35.0	61.4	64.0

13-Jan-22	17:00:00	13-Jan-2217:00	67.9	33.1	77.7	74.3	74.8	70.0	72.2	64.0	35.0	61.1	64.0
13-Jan-22	17:30:00	13-Jan-2217:30	67.9	32.5	78.0	74.0	74.3	70.0	72.0	64.0	35.0	61.2	64.0
13-Jan-22	18:00:00	13-Jan-2218:00	67.9	32.5	77.7	74.0	74.3	70.0	72.0	64.0	35.7	61.7	64.0
13-Jan-22	18:30:00	13-Jan-2218:30	67.9	34.2	78.0	74.5	74.3	70.0	72.0	64.0	36.0	61.9	64.0
13-Jan-22	19:00:00	13-Jan-2219:00	67.9	34.5	78.0	74.4	74.0	70.0	72.6	64.0	36.0	61.8	64.0
13-Jan-22	19:30:00	13-Jan-2219:30	67.9	34.5	77.4	74.1	74.4	70.0	72.5	64.0	36.0	62.0	64.0
13-Jan-22	20:00:00	13-Jan-2220:00	67.9	34.5	78.0	75.0	75.0	70.8	73.0	64.0	36.0	62.0	64.0
13-Jan-22	20:30:00	13-Jan-2220:30	69.4	34.2	78.0	75.0	75.4	70.7	73.0	64.2	36.0	62.0	64.5
13-Jan-22	21:00:00	13-Jan-2221:00	69.9	31.8	78.5	75.2	76.0	71.0	73.6	65.0	36.3	62.5	65.0
13-Jan-22	21:30:00	13-Jan-2221:30	69.9	31.6	79.0	76.0	76.0	71.1	74.0	65.0	37.0	63.0	65.0
13-Jan-22	22:00:00	13-Jan-2222:00	69.9	31.6	79.0	76.0	76.0	72.0	74.0	65.0	37.0	63.0	65.3
13-Jan-22	22:30:00	13-Jan-2222:30	69.9	31.6	79.1	76.0	76.6	72.0	74.0	65.2	37.0	63.0	65.2
13-Jan-22	23:00:00	13-Jan-2223:00	69.9	33.7	79.8	76.0	76.3	72.0	74.0	66.0	37.0	63.2	66.0
13-Jan-22	23:30:00	13-Jan-2223:30	66.6	34.5	78.9	76.2	75.9	71.8	74.6	65.5	37.6	62.0	65.6
14-Jan-22	0:00:00	14-Jan-2200:00	61.0	34.5	73.0	70.0	70.0	69.5	71.3	63.4	36.0	61.5	63.7
14-Jan-22	0:30:00	14-Jan-2200:30	61.0	34.5	73.0	70.0	70.0	69.9	71.0	63.3	36.0	61.9	64.0
14-Jan-22	1:00:00	14-Jan-2201:00	61.0	34.5	73.0	69.8	70.0	69.5	71.0	63.0	35.4	61.0	63.7
14-Jan-22	1:30:00	14-Jan-2201:30	61.0	34.8	73.0	69.6	69.7	69.0	71.0	63.0	35.3	61.0	63.0
14-Jan-22	2:00:00	14-Jan-2202:00	61.0	35.5	72.7	69.4	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	2:30:00	14-Jan-2202:30	61.0	34.6	72.4	69.4	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	3:00:00	14-Jan-2203:00	61.0	33.7	72.0	69.0	70.0	69.0	71.0	63.0	35.0	61.0	63.0
14-Jan-22	3:30:00	14-Jan-2203:30	61.0	33.6	72.0	69.0	69.7	69.0	70.4	63.0	35.0	60.7	63.0
14-Jan-22	4:00:00	14-Jan-2204:00	64.4	34.5	73.0	70.0	70.1	69.0	70.8	62.7	35.2	60.6	63.5
14-Jan-22	4:30:00	14-Jan-2204:30	69.7	34.5	79.0	76.0	76.6	71.0	73.9	65.0	36.0	62.5	65.0
14-Jan-22	5:00:00	14-Jan-2205:00	69.7	34.7	79.0	76.0	76.3	71.0	73.2	65.0	36.2	62.3	65.0
14-Jan-22	5:30:00	14-Jan-2205:30	69.7	35.5	79.0	76.0	76.3	71.0	74.0	65.0	37.0	63.0	65.0
14-Jan-22	6:00:00	14-Jan-2206:00	69.7	35.5	79.0	75.9	76.3	71.2	73.5	64.8	37.0	62.7	64.8
14-Jan-22	6:30:00	14-Jan-2206:30	69.7	35.2	79.0	75.6	75.7	70.2	73.0	64.0	36.1	61.0	64.0
14-Jan-22	7:00:00	14-Jan-2207:00	69.7	33.8	79.0	75.0	75.7	70.4	73.0	64.0	36.0	61.3	64.0
14-Jan-22	7:30:00	14-Jan-2207:30	69.7	33.6	79.0	75.8	76.0	71.0	73.0	64.0	36.0	61.0	64.0
14-Jan-22	8:00:00	14-Jan-2208:00	69.7	34.5	79.0	76.0	75.7	70.7	73.0	64.0	35.9	60.7	64.0
14-Jan-22	8:30:00	14-Jan-2208:30	69.7	34.5	78.4	75.3	75.2	70.0	73.0	64.0	35.0	60.7	63.4
14-Jan-22	9:00:00	14-Jan-2209:00	69.7	34.5	78.7	75.3	75.3	70.0	73.0	64.1	35.4	61.2	63.7
14-Jan-22	9:30:00	14-Jan-2209:30	69.7	34.5	79.0	75.0	75.8	70.4	73.2	64.7	35.7	61.6	63.8
14-Jan-22	10:00:00	14-Jan-2210:00	69.7	34.5	78.7	75.3	75.6	70.8	73.1	65.0	35.7	60.8	64.0
14-Jan-22	10:30:00	14-Jan-2210:30	69.7	34.3	78.7	75.4	75.7	70.7	73.0	64.7	35.5	60.9	63.9
14-Jan-22	11:00:00	14-Jan-2211:00	69.7	33.5	78.2	75.2	75.4	70.5	73.0	64.4	35.4	61.6	64.0
14-Jan-22	11:30:00	14-Jan-2211:30	69.7	33.9	78.3	75.3	75.6	70.6	73.0	64.2	35.4	61.3	63.8

14-Jan-22	12:00:00	14-Jan-2212:00	69.7	34.5	79.0	75.5	75.5	71.5	73.8	65.3	36.3	62.1	64.9
14-Jan-22	12:30:00	14-Jan-2212:30	69.7	33.0	79.0	76.0	76.6	72.0	74.0	66.0	37.3	63.0	66.0
14-Jan-22	13:00:00	14-Jan-2213:00	61.9	31.9	75.1	72.0	74.3	70.6	71.7	64.1	36.2	61.8	63.8
14-Jan-22	13:30:00	14-Jan-2213:30	61.3	31.6	73.0	69.7	69.5	69.2	71.0	63.3	35.4	61.0	63.0
14-Jan-22	14:00:00	14-Jan-2214:00	60.1	31.6	72.1	69.0	69.0	69.0	70.7	63.0	35.0	60.7	63.0
14-Jan-22	14:30:00	14-Jan-2214:30	60.1	31.6	72.2	68.9	68.9	68.6	70.2	62.4	34.5	60.3	62.4
14-Jan-22	15:00:00	14-Jan-2215:00	60.1	31.6	71.7	68.7	68.7	68.0	69.7	62.0	34.0	60.0	62.0
14-Jan-22	15:30:00	14-Jan-2215:30	60.1	31.6	71.0	68.0	68.0	67.7	69.2	61.7	34.2	59.7	62.0
14-Jan-22	16:00:00	14-Jan-2216:00	60.1	31.6	71.3	68.0	68.0	68.0	70.0	62.0	34.1	60.0	62.0
14-Jan-22	16:30:00	14-Jan-2216:30	60.1	31.6	71.0	68.0	68.0	68.0	70.0	62.0	34.0	60.0	62.0
14-Jan-22	17:00:00	14-Jan-2217:00	60.1	31.6	71.0	68.0	68.0	68.0	69.6	62.0	34.0	60.0	62.0
14-Jan-22	17:30:00	14-Jan-2217:30	60.1	31.6	71.0	68.0	68.0	67.7	69.0	61.1	33.9	60.0	62.0
14-Jan-22	18:00:00	14-Jan-2218:00	58.4	31.6	70.0	66.4	67.4	67.0	69.0	61.0	33.0	60.0	61.6
14-Jan-22	18:30:00	14-Jan-2218:30	59.8	32.5	70.0	67.0	67.0	67.0	68.9	61.0	33.0	59.1	61.0
14-Jan-22	19:00:00	14-Jan-2219:00	58.1	33.5	70.0	67.0	67.0	67.0	68.0	60.8	33.0	58.4	61.0
14-Jan-22	19:30:00	14-Jan-2219:30	67.0	33.5	72.7	72.2	72.2	68.5	68.4	61.7	33.8	58.0	62.1
14-Jan-22	20:00:00	14-Jan-2220:00	67.3	34.0	77.0	74.0	74.0	69.0	72.0	63.0	34.8	60.9	63.0
14-Jan-22	20:30:00	14-Jan-2220:30	67.3	34.5	77.0	74.0	74.0	69.0	72.0	63.0	35.0	61.0	63.0
14-Jan-22	21:00:00	14-Jan-2221:00	67.3	34.5	77.3	74.0	74.0	69.0	72.0	63.2	35.0	61.0	63.1
14-Jan-22	21:30:00	14-Jan-2221:30	67.3	35.0	78.0	74.4	74.7	70.0	72.0	64.0	35.0	61.6	63.7
14-Jan-22	22:00:00	14-Jan-2222:00	68.2	34.8	78.0	74.7	75.0	70.0	72.6	64.0	35.6	61.7	64.0
14-Jan-22	22:30:00	14-Jan-2222:30	69.3	32.9	78.0	75.0	75.1	70.3	73.0	64.0	36.0	61.7	64.0
14-Jan-22	23:00:00	14-Jan-2223:00	69.3	32.5	78.0	75.0	74.9	70.6	73.0	64.0	36.0	62.0	64.0
14-Jan-22	23:30:00	14-Jan-2223:30	69.3	34.2	78.7	75.1	75.2	71.0	73.2	64.6	36.0	62.3	64.8
15-Jan-22	0:00:00	15-Jan-2200:00	69.3	35.5	79.0	75.4	75.4	71.0	73.7	65.0	36.0	62.0	65.0
15-Jan-22	0:30:00	15-Jan-2200:30	69.3	35.5	79.0	76.0	76.0	71.4	74.0	65.0	36.8	62.6	65.0
15-Jan-22	1:00:00	15-Jan-2201:00	69.3	35.0	79.0	76.0	76.0	72.0	74.0	65.1	37.0	63.0	65.1
15-Jan-22	1:30:00	15-Jan-2201:30	69.3	33.5	80.0	76.4	76.1	72.0	74.0	66.0	37.0	63.0	66.0
15-Jan-22	2:00:00	15-Jan-2202:00	69.5	33.5	80.0	77.0	77.0	72.0	74.6	66.0	37.3	63.7	66.0
15-Jan-22	2:30:00	15-Jan-2202:30	71.3	33.8	80.0	77.0	77.1	72.6	75.0	66.0	38.0	64.0	66.0
15-Jan-22	3:00:00	15-Jan-2203:00	66.9	34.5	80.0	76.3	78.0	72.6	75.0	66.0	37.5	61.8	65.5
15-Jan-22	3:30:00	15-Jan-2203:30	61.1	34.5	76.4	70.4	71.7	70.0	72.1	64.0	36.0	62.0	64.0
15-Jan-22	4:00:00	15-Jan-2204:00	61.1	34.5	73.5	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
15-Jan-22	4:30:00	15-Jan-2204:30	61.1	34.8	73.0	70.0	70.0	70.0	71.0	63.9	36.0	61.8	64.0
15-Jan-22	5:00:00	15-Jan-2205:00	61.1	34.9	73.0	69.6	70.0	69.0	71.0	63.0	35.2	61.0	63.2
15-Jan-22	5:30:00	15-Jan-2205:30	61.1	34.5	73.0	69.0	69.7	69.0	71.0	63.0	35.0	61.0	63.0
15-Jan-22	6:00:00	15-Jan-2206:00	61.1	34.0	72.0	69.2	69.6	69.0	70.8	63.0	35.0	61.0	63.0
15-Jan-22	6:30:00	15-Jan-2206:30	61.1	35.0	72.0	69.2	69.3	69.0	70.0	62.9	35.0	61.0	63.0

15-Jan-22	7:00:00	15-Jan-2207:00	61.1	35.5	72.0	68.9	68.9	68.9	68.9	70.0	62.0	34.8	60.4	62.8
15-Jan-22	7:30:00	15-Jan-2207:30	61.1	35.5	71.4	68.0	68.6	68.0	68.6	70.0	62.0	34.0	60.0	62.0
15-Jan-22	8:00:00	15-Jan-2208:00	59.7	35.5	71.3	68.3	68.6	68.0	68.6	69.6	62.0	34.0	59.7	62.0
15-Jan-22	8:30:00	15-Jan-2208:30	59.1	35.5	71.0	68.0	68.0	68.0	68.0	69.0	61.7	34.0	59.7	62.0
15-Jan-22	9:00:00	15-Jan-2209:00	63.7	35.5	71.0	70.3	70.5	68.7	70.3	70.3	62.2	34.4	60.0	63.6
15-Jan-22	9:30:00	15-Jan-2209:30	68.5	35.5	76.4	74.8	74.8	70.0	72.8	72.8	63.6	35.3	61.3	63.6
15-Jan-22	10:00:00	15-Jan-2210:00	68.7	35.5	78.0	75.0	74.7	70.0	72.7	72.7	64.0	35.7	61.0	64.0
15-Jan-22	10:30:00	15-Jan-2210:30	68.7	35.5	78.0	74.4	75.0	70.6	73.0	73.0	64.0	36.0	62.0	64.0
15-Jan-22	11:00:00	15-Jan-2211:00	68.7	34.6	78.3	75.0	75.6	70.9	73.0	73.0	65.0	36.0	62.0	64.6
15-Jan-22	11:30:00	15-Jan-2211:30	68.7	32.5	79.0	75.3	75.7	71.0	73.0	73.0	65.0	36.0	62.0	64.8
15-Jan-22	12:00:00	15-Jan-2212:00	68.7	32.3	79.0	75.6	76.0	71.0	73.3	73.3	65.0	36.3	62.5	65.0
15-Jan-22	12:30:00	15-Jan-2212:30	69.4	33.5	79.0	76.0	76.0	71.0	74.0	74.0	65.0	36.7	62.7	65.0
15-Jan-22	13:00:00	15-Jan-2213:00	70.8	33.5	79.0	76.0	76.0	71.5	74.0	74.0	65.0	37.0	63.0	65.0
15-Jan-22	13:30:00	15-Jan-2213:30	70.8	33.5	79.1	76.0	76.0	72.0	74.0	74.0	65.5	37.0	63.0	65.0
15-Jan-22	14:00:00	15-Jan-2214:00	70.8	33.5	80.0	76.3	76.2	72.0	74.3	74.3	66.0	37.0	63.0	65.9
15-Jan-22	14:30:00	15-Jan-2214:30	70.8	33.5	80.0	76.1	76.1	72.0	74.9	74.9	66.0	37.4	63.0	66.0
15-Jan-22	15:00:00	15-Jan-2215:00	63.2	32.7	73.8	69.7	73.6	68.8	72.4	72.4	64.7	36.9	62.3	64.8
15-Jan-22	15:30:00	15-Jan-2215:30	61.6	32.5	73.0	70.0	70.3	69.7	71.0	71.0	63.3	36.0	61.2	63.9
15-Jan-22	16:00:00	15-Jan-2216:00	61.6	32.5	72.9	69.6	70.0	69.6	71.0	71.0	63.0	35.4	61.0	63.0
15-Jan-22	16:30:00	15-Jan-2216:30	61.6	32.5	72.0	69.0	69.7	69.0	71.0	71.0	63.0	35.1	61.0	63.0
15-Jan-22	17:00:00	15-Jan-2217:00	61.6	32.5	72.0	69.0	69.3	69.0	70.6	70.6	63.0	35.0	61.0	63.0
15-Jan-22	17:30:00	15-Jan-2217:30	59.7	32.5	72.0	68.6	69.0	68.7	70.0	70.0	62.1	35.0	59.8	62.7
15-Jan-22	18:00:00	15-Jan-2218:00	59.6	32.2	71.7	68.3	68.5	68.5	70.0	70.0	62.0	34.1	60.0	62.3
15-Jan-22	18:30:00	15-Jan-2218:30	59.6	31.6	71.0	68.0	68.3	68.0	70.0	70.0	62.0	34.0	60.0	62.0
15-Jan-22	19:00:00	15-Jan-2219:00	62.2	31.6	71.0	68.7	71.8	68.2	69.2	69.2	61.5	34.0	60.0	61.8
15-Jan-22	19:30:00	15-Jan-2219:30	68.5	32.5	77.4	74.5	75.9	69.6	72.3	72.3	64.0	35.7	61.4	64.0
15-Jan-22	20:00:00	15-Jan-2220:00	68.5	32.5	78.0	75.0	75.3	70.0	73.0	73.0	64.0	36.0	61.7	64.0
15-Jan-22	20:30:00	15-Jan-2220:30	68.5	32.7	78.0	75.0	75.0	70.3	73.0	73.0	64.0	36.0	62.0	64.0
15-Jan-22	21:00:00	15-Jan-2221:00	68.5	33.5	78.7	75.2	75.8	71.0	73.0	73.0	64.3	36.0	62.0	64.3
15-Jan-22	21:30:00	15-Jan-2221:30	68.5	33.5	79.0	76.0	76.0	71.0	73.0	73.0	64.7	36.0	62.2	64.4
15-Jan-22	22:00:00	15-Jan-2222:00	68.5	33.5	79.0	76.0	76.3	71.0	73.7	73.7	65.0	36.8	63.0	65.0
15-Jan-22	22:30:00	15-Jan-2222:30	69.0	33.5	79.0	76.0	76.2	71.2	74.0	74.0	65.0	36.4	63.0	65.0
15-Jan-22	23:00:00	15-Jan-2223:00	70.6	33.5	79.0	76.0	76.1	71.7	74.0	74.0	65.0	37.0	63.0	65.0
15-Jan-22	23:30:00	15-Jan-2223:30	70.6	33.5	79.5	76.2	76.8	72.0	74.0	74.0	65.6	37.0	63.0	65.6
16-Jan-22	0:00:00	16-Jan-2200:00	70.6	33.5	80.0	76.1	76.7	72.0	74.3	74.3	65.7	37.1	63.0	66.0
16-Jan-22	0:30:00	16-Jan-2200:30	70.6	33.5	80.0	76.8	77.0	72.0	74.3	74.3	66.0	37.7	63.7	66.0
16-Jan-22	1:00:00	16-Jan-2201:00	67.7	34.1	80.0	76.7	76.7	72.0	74.7	74.7	65.7	37.8	63.2	65.7
16-Jan-22	1:30:00	16-Jan-2201:30	62.5	34.4	74.6	70.0	71.0	70.0	72.0	72.0	64.0	36.0	62.0	64.0

16-Jan-22	2:00:00	16-Jan-2202:00	62.5	32.6	73.0	70.0	70.2	70.0	71.0	64.0	36.0	62.0	64.0
16-Jan-22	2:30:00	16-Jan-2202:30	62.5	32.5	73.0	70.0	70.5	70.0	71.0	64.0	36.0	62.0	64.0
16-Jan-22	3:00:00	16-Jan-2203:00	62.5	32.6	73.0	70.0	70.3	70.0	71.0	63.3	36.0	61.2	64.0
16-Jan-22	3:30:00	16-Jan-2203:30	61.5	34.8	73.0	70.0	70.0	70.0	71.0	63.0	35.7	61.0	63.7
16-Jan-22	4:00:00	16-Jan-2204:00	60.6	34.8	72.1	69.1	70.0	69.2	71.0	63.0	35.1	61.0	63.0
16-Jan-22	4:30:00	16-Jan-2204:30	60.6	33.6	72.3	70.0	70.0	69.0	70.8	63.0	35.0	61.0	63.0
16-Jan-22	5:00:00	16-Jan-2205:00	60.6	34.2	72.0	69.1	69.7	69.0	70.0	63.0	35.0	61.0	63.0
16-Jan-22	5:30:00	16-Jan-2205:30	60.6	34.5	72.0	69.0	69.7	69.0	70.0	62.7	35.0	61.0	63.0
16-Jan-22	6:00:00	16-Jan-2206:00	60.6	34.8	72.0	69.0	69.7	69.0	70.0	62.7	35.0	60.8	63.0
16-Jan-22	6:30:00	16-Jan-2206:30	68.5	35.5	74.6	73.7	74.6	70.1	73.0	65.2	36.5	61.6	64.3
16-Jan-22	7:00:00	16-Jan-2207:00	69.2	36.2	79.0	76.3	77.0	71.7	74.0	65.0	37.0	62.4	65.0
16-Jan-22	7:30:00	16-Jan-2207:30	69.2	36.4	79.0	76.0	76.4	71.4	74.0	65.0	37.0	62.7	65.0
16-Jan-22	8:00:00	16-Jan-2208:00	69.2	35.3	79.0	76.0	76.0	71.6	74.0	65.2	37.0	63.0	65.0
16-Jan-22	8:30:00	16-Jan-2208:30	69.2	34.5	79.0	76.0	75.7	71.0	73.4	65.1	37.0	63.0	65.0
16-Jan-22	9:00:00	16-Jan-2209:00	69.2	34.5	79.3	76.0	75.7	71.3	74.0	65.0	37.0	63.0	65.0
16-Jan-22	9:30:00	16-Jan-2209:30	69.2	34.5	79.0	76.0	76.0	71.7	74.0	65.9	37.0	63.3	65.2
16-Jan-22	10:00:00	16-Jan-2210:00	69.2	34.5	79.0	76.0	76.0	71.8	74.0	66.0	37.0	63.0	66.0
16-Jan-22	10:30:00	16-Jan-2210:30	62.9	34.5	75.3	72.1	72.3	71.3	72.3	62.6	36.6	61.9	63.8
16-Jan-22	11:00:00	16-Jan-2211:00	61.5	34.5	73.0	69.2	69.8	69.6	71.0	63.0	35.2	61.0	63.6
16-Jan-22	11:30:00	16-Jan-2211:30	61.5	34.5	73.0	69.3	69.6	69.0	71.0	63.0	35.0	61.0	63.0
16-Jan-22	12:00:00	16-Jan-2212:00	61.5	33.6	72.3	69.0	69.6	69.0	70.7	63.0	35.0	61.0	63.0
16-Jan-22	12:30:00	16-Jan-2212:30	61.5	33.5	72.0	69.0	69.0	69.0	70.7	63.0	35.0	60.6	63.0
16-Jan-22	13:00:00	16-Jan-2213:00	61.5	33.5	72.0	69.0	69.3	69.0	70.0	63.0	35.0	60.0	63.0
16-Jan-22	13:30:00	16-Jan-2213:30	67.0	32.7	73.3	71.9	72.5	69.7	70.8	64.2	35.6	62.6	63.9
16-Jan-22	14:00:00	16-Jan-2214:00	68.9	32.5	79.0	75.6	76.0	71.0	73.3	65.0	36.0	62.0	65.0
16-Jan-22	14:30:00	16-Jan-2214:30	68.9	32.5	79.0	75.7	76.0	71.0	73.8	65.0	36.2	62.4	65.0
16-Jan-22	15:00:00	16-Jan-2215:00	68.9	32.7	79.0	76.0	76.0	71.0	73.4	65.0	36.4	63.0	65.0
16-Jan-22	15:30:00	16-Jan-2215:30	68.9	33.5	79.0	76.0	76.3	71.3	74.0	65.0	37.0	63.0	65.0
16-Jan-22	16:00:00	16-Jan-2216:00	70.1	33.5	79.0	76.0	76.3	71.8	74.0	65.4	37.0	63.0	65.4
16-Jan-22	16:30:00	16-Jan-2216:30	71.0	33.5	79.0	76.3	76.3	72.0	74.0	66.0	37.0	63.0	65.7
16-Jan-22	17:00:00	16-Jan-2217:00	68.4	33.5	79.5	76.5	76.8	72.0	74.2	65.8	37.2	62.6	65.9
16-Jan-22	17:30:00	16-Jan-2217:30	60.8	33.5	75.3	70.0	69.8	69.8	71.0	63.5	35.9	61.9	63.5
16-Jan-22	18:00:00	16-Jan-2218:00	60.8	33.5	73.0	68.2	69.0	69.3	71.0	63.0	35.0	61.0	63.0
16-Jan-22	18:30:00	16-Jan-2218:30	60.8	33.5	72.1	68.6	68.7	69.0	70.3	62.9	35.0	60.5	63.0
16-Jan-22	19:00:00	16-Jan-2219:00	60.8	33.5	72.0	68.3	68.6	68.6	70.0	62.0	34.5	60.0	62.8
16-Jan-22	19:30:00	16-Jan-2219:30	60.8	33.5	72.0	68.0	68.2	68.0	70.0	62.0	34.0	60.0	62.0
16-Jan-22	20:00:00	16-Jan-2220:00	60.8	33.5	71.6	68.0	68.0	68.0	69.9	62.0	34.0	59.7	62.0
16-Jan-22	20:30:00	16-Jan-2220:30	60.8	33.5	71.0	67.7	68.3	68.0	69.0	61.1	34.0	59.6	62.0

16-Jan-22	21:00:00	16-Jan-2221:00	69.5	33.5	71.1	74.2	74.3	69.7	73.9	63.5	35.9	60.8	61.4
16-Jan-22	21:30:00	16-Jan-2221:30	69.2	33.5	78.0	75.0	76.0	70.4	73.0	64.0	36.0	62.0	64.0
16-Jan-22	22:00:00	16-Jan-2222:00	69.2	32.8	78.3	75.0	75.7	71.0	73.0	64.7	36.0	62.0	64.1
16-Jan-22	22:30:00	16-Jan-2222:30	69.2	32.5	79.0	76.0	76.0	71.0	73.0	65.0	36.0	62.3	65.0
16-Jan-22	23:00:00	16-Jan-2223:00	69.2	32.5	79.0	76.0	75.7	71.0	73.3	65.0	36.3	62.6	65.0
16-Jan-22	23:30:00	16-Jan-2223:30	69.2	32.5	79.0	76.0	76.0	71.6	74.0	65.0	37.0	62.2	65.0
17-Jan-22	0:00:00	17-Jan-2200:00	69.2	32.5	79.0	76.0	76.0	71.3	74.0	65.0	37.0	63.0	65.0
17-Jan-22	0:30:00	17-Jan-2200:30	69.2	33.3	79.3	76.3	76.3	71.9	74.4	65.5	37.0	63.0	65.4
17-Jan-22	1:00:00	17-Jan-2201:00	69.2	33.1	79.3	76.0	76.3	72.0	74.5	66.0	37.2	63.4	65.7
17-Jan-22	1:30:00	17-Jan-2201:30	68.3	32.6	79.3	76.2	76.6	72.2	74.2	65.7	37.6	64.0	65.9
17-Jan-22	2:00:00	17-Jan-2202:00	61.1	32.2	75.3	70.3	70.2	71.0	71.6	63.8	36.0	62.2	64.2
17-Jan-22	2:30:00	17-Jan-2202:30	61.1	31.6	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
17-Jan-22	3:00:00	17-Jan-2203:00	61.1	31.8	73.0	70.0	71.0	70.0	71.0	63.7	36.0	61.4	64.0
17-Jan-22	3:30:00	17-Jan-2203:30	61.1	33.5	73.0	69.8	70.2	69.8	70.8	63.1	36.0	60.9	64.0
17-Jan-22	4:00:00	17-Jan-2204:00	61.1	33.5	72.1	69.0	69.4	68.4	70.0	62.3	34.7	59.8	62.0
17-Jan-22	4:30:00	17-Jan-2204:30	61.1	33.5	72.0	68.9	69.0	68.0	70.0	62.0	34.0	59.6	62.0
17-Jan-22	5:00:00	17-Jan-2205:00	61.1	35.0	71.4	68.0	68.7	68.0	69.7	61.6	34.0	59.0	62.0
17-Jan-22	5:30:00	17-Jan-2205:30	61.1	35.5	71.0	68.0	69.0	68.0	69.0	61.0	33.8	59.0	61.4
17-Jan-22	6:00:00	17-Jan-2206:00	63.4	35.5	71.0	69.5	70.1	68.4	69.0	61.5	33.3	59.3	62.7
17-Jan-22	6:30:00	17-Jan-2206:30	68.5	35.1	77.8	75.0	75.9	70.0	73.0	64.0	35.0	61.0	64.0
17-Jan-22	7:00:00	17-Jan-2207:00	68.9	34.5	78.2	75.0	75.4	70.2	73.0	64.0	35.0	61.1	64.0
17-Jan-22	7:30:00	17-Jan-2207:30	70.5	34.5	79.0	75.9	76.7	71.0	73.3	65.0	36.1	62.2	65.0
17-Jan-22	8:00:00	17-Jan-2208:00	70.5	33.8	79.0	76.0	75.5	71.0	73.0	65.0	36.5	63.0	65.0
17-Jan-22	8:30:00	17-Jan-2208:30	70.5	33.5	79.0	76.0	75.6	71.3	73.6	65.0	36.6	63.0	65.0
17-Jan-22	9:00:00	17-Jan-2209:00	70.5	33.6	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
17-Jan-22	9:30:00	17-Jan-2209:30	70.5	34.8	79.0	76.0	76.0	72.0	74.0	65.1	37.0	63.0	65.0
17-Jan-22	10:00:00	17-Jan-2210:00	70.5	35.4	79.1	76.0	76.1	72.0	74.0	65.7	37.0	63.0	65.0
17-Jan-22	10:30:00	17-Jan-2210:30	70.5	33.9	80.0	76.0	76.2	72.0	74.0	65.7	37.0	63.0	65.3
17-Jan-22	11:00:00	17-Jan-2211:00	64.9	33.6	77.8	74.1	74.4	71.4	72.9	65.0	36.9	61.9	65.0
17-Jan-22	11:30:00	17-Jan-2211:30	61.3	34.5	72.9	69.3	69.6	69.6	71.0	63.0	35.5	61.1	63.0
17-Jan-22	12:00:00	17-Jan-2212:00	61.3	34.5	72.9	69.0	69.0	69.0	71.0	63.0	35.0	61.0	63.0
17-Jan-22	12:30:00	17-Jan-2212:30	61.3	34.5	72.0	69.0	69.0	69.0	70.8	63.0	35.0	61.0	63.0
17-Jan-22	13:00:00	17-Jan-2213:00	61.3	32.2	72.0	69.0	69.0	69.0	70.3	63.0	35.0	60.8	63.0
17-Jan-22	13:30:00	17-Jan-2213:30	61.3	31.6	72.0	69.0	69.0	69.0	70.0	62.5	35.0	60.6	63.0
17-Jan-22	14:00:00	17-Jan-2214:00	62.7	31.6	72.0	69.0	68.5	68.8	70.0	62.1	34.1	60.0	62.8
17-Jan-22	14:30:00	17-Jan-2214:30	69.7	31.6	78.4	74.8	75.1	69.8	73.3	65.0	36.0	61.7	65.0
17-Jan-22	15:00:00	17-Jan-2215:00	69.7	32.3	79.0	75.8	76.0	71.0	74.0	65.0	36.2	62.3	65.0
17-Jan-22	15:30:00	17-Jan-2215:30	69.7	32.5	79.0	75.9	76.0	71.0	74.0	65.0	37.0	62.8	65.0

17-Jan-22	16:00:00	17-Jan-2216:00	69.7	32.5	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
17-Jan-22	16:30:00	17-Jan-2216:30	69.7	32.5	79.3	76.0	76.3	72.0	74.0	65.1	37.0	63.0	65.0
17-Jan-22	17:00:00	17-Jan-2217:00	69.7	32.5	79.0	76.0	76.4	72.0	74.0	66.0	37.0	63.0	65.0
17-Jan-22	17:30:00	17-Jan-2217:30	69.7	32.5	79.0	76.0	76.2	71.7	74.0	66.0	37.0	63.0	65.3
17-Jan-22	18:00:00	17-Jan-2218:00	68.7	32.5	79.0	75.3	75.3	71.6	74.0	65.2	37.0	62.9	65.0
17-Jan-22	18:30:00	17-Jan-2218:30	60.6	32.1	74.0	70.5	70.4	69.4	72.0	63.7	35.2	59.7	63.2
17-Jan-22	19:00:00	17-Jan-2219:00	60.6	31.6	71.9	68.7	68.6	68.1	70.0	62.0	34.6	60.0	62.3
17-Jan-22	19:30:00	17-Jan-2219:30	60.4	31.6	71.0	68.0	68.0	68.0	70.0	62.0	34.0	59.9	62.0
17-Jan-22	20:00:00	17-Jan-2220:00	58.6	31.7	71.0	68.0	68.0	67.7	69.0	61.0	34.0	59.3	61.6
17-Jan-22	20:30:00	17-Jan-2220:30	58.6	32.5	70.4	67.0	67.7	67.0	69.0	61.0	33.2	59.0	61.0
17-Jan-22	21:00:00	17-Jan-2221:00	58.6	32.5	71.0	67.3	67.4	67.0	69.0	61.0	33.0	59.0	61.0
17-Jan-22	21:30:00	17-Jan-2221:30	68.7	32.5	75.5	71.9	72.3	70.4	71.7	62.9	34.5	60.8	63.1
17-Jan-22	22:00:00	17-Jan-2222:00	68.6	32.5	78.0	75.0	74.9	70.0	73.0	64.0	35.6	61.7	64.0
17-Jan-22	22:30:00	17-Jan-2222:30	68.6	32.5	78.1	75.1	75.4	70.6	73.0	64.0	36.0	62.0	64.0
17-Jan-22	23:00:00	17-Jan-2223:00	68.6	32.6	79.0	75.7	75.5	71.0	73.0	64.3	36.0	62.0	64.3
17-Jan-22	23:30:00	17-Jan-2223:30	68.6	33.5	79.0	75.4	75.9	71.0	74.0	65.0	36.3	62.6	65.0
18-Jan-22	0:00:00	18-Jan-2200:00	68.6	33.5	79.0	76.0	76.0	71.0	73.7	65.0	36.8	63.0	65.0
18-Jan-22	0:30:00	18-Jan-2200:30	69.5	34.4	79.4	76.3	76.4	71.6	74.0	65.2	37.0	63.0	65.2
18-Jan-22	1:00:00	18-Jan-2201:00	70.6	34.5	79.4	76.2	76.7	72.0	74.0	66.0	37.0	63.1	66.0
18-Jan-22	1:30:00	18-Jan-2201:30	70.6	34.5	80.0	76.9	76.7	72.3	74.7	66.0	38.0	63.7	66.0
18-Jan-22	2:00:00	18-Jan-2202:00	69.3	34.5	80.0	77.0	77.8	72.7	75.0	66.0	38.0	64.0	66.0
18-Jan-22	2:30:00	18-Jan-2202:30	62.3	34.5	73.7	70.8	71.4	70.4	72.1	64.0	36.6	62.4	64.0
18-Jan-22	3:00:00	18-Jan-2203:00	62.3	34.5	73.0	70.0	71.0	70.0	71.2	64.0	36.0	62.0	64.0
18-Jan-22	3:30:00	18-Jan-2203:30	62.3	34.5	73.0	70.0	70.7	70.0	71.0	64.0	36.0	62.0	64.0
18-Jan-22	4:00:00	18-Jan-2204:00	62.3	34.5	73.0	69.8	70.0	70.0	71.0	63.2	35.5	61.7	63.2
18-Jan-22	4:30:00	18-Jan-2204:30	61.3	34.5	73.0	69.9	70.0	69.8	71.0	63.0	35.0	61.0	63.0
18-Jan-22	5:00:00	18-Jan-2205:00	60.3	34.5	72.3	69.0	70.0	69.0	70.5	63.0	35.0	60.7	63.0
18-Jan-22	5:30:00	18-Jan-2205:30	60.3	34.2	72.0	69.0	69.2	69.0	70.0	62.1	35.0	61.0	62.4
18-Jan-22	6:00:00	18-Jan-2206:00	60.3	33.0	72.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	6:30:00	18-Jan-2206:30	60.3	33.3	72.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	7:00:00	18-Jan-2207:00	66.7	34.7	75.4	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	7:30:00	18-Jan-2207:30	68.8	35.5	78.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	8:00:00	18-Jan-2208:00	68.8	35.5	78.0	69.0	69.0	69.0	70.0	62.0	35.0	61.0	62.0
18-Jan-22	8:30:00	18-Jan-2208:30	68.2	35.5	78.0	70.9	71.0	69.3	71.2	62.2	35.4	61.2	62.9
18-Jan-22	9:00:00	18-Jan-2209:00	68.7	35.5	78.0	75.0	74.7	69.6	72.4	63.3	34.9	60.7	62.9
18-Jan-22	9:30:00	18-Jan-2209:30	68.7	35.5	77.7	74.4	74.4	69.6	72.7	63.4	35.0	60.4	63.4
18-Jan-22	10:00:00	18-Jan-2210:00	68.7	35.8	78.0	74.7	75.0	70.0	73.0	64.0	35.0	61.0	63.5
18-Jan-22	10:30:00	18-Jan-2210:30	68.7	35.5	78.0	75.0	75.6	70.0	73.0	64.0	35.0	60.7	63.1

18-Jan-22	11:00:00	18-Jan-2211:00	68.7	35.5	78.0	75.0	75.2	70.0	73.0	63.7	35.0	61.0	64.3
18-Jan-22	11:30:00	18-Jan-2211:30	68.7	35.5	78.5	75.3	75.4	70.0	73.0	64.0	35.3	61.0	64.0
18-Jan-22	12:00:00	18-Jan-2212:00	68.7	35.9	78.0	75.0	75.6	70.0	73.0	64.0	35.7	61.3	64.0
18-Jan-22	12:30:00	18-Jan-2212:30	68.7	36.4	78.2	75.0	75.2	70.3	73.0	64.9	36.0	61.6	64.0
18-Jan-22	13:00:00	18-Jan-2213:00	68.7	35.2	78.7	75.0	75.4	70.6	73.0	64.7	36.0	61.3	64.0
18-Jan-22	13:30:00	18-Jan-2213:30	69.9	32.3	79.0	76.0	75.7	71.2	73.5	65.3	36.2	62.4	64.5
18-Jan-22	14:00:00	18-Jan-2214:00	70.4	32.7	79.3	76.0	76.0	72.0	74.0	65.3	37.0	63.0	65.4
18-Jan-22	14:30:00	18-Jan-2214:30	70.4	34.5	80.0	76.1	76.1	72.0	74.0	65.5	37.0	63.0	65.8
18-Jan-22	15:00:00	18-Jan-2215:00	67.6	34.5	78.7	75.2	76.5	72.0	74.3	65.9	37.3	63.0	65.9
18-Jan-22	15:30:00	18-Jan-2215:30	61.3	34.2	72.8	68.8	72.3	70.2	70.3	63.2	35.0	61.3	63.8
18-Jan-22	16:00:00	18-Jan-2216:00	61.1	33.5	72.0	68.7	69.3	69.0	70.5	63.0	35.0	61.0	63.0
18-Jan-22	16:30:00	18-Jan-2216:30	61.4	33.2	72.0	68.7	68.9	69.0	70.6	63.0	35.0	61.0	63.0
18-Jan-22	17:00:00	18-Jan-2217:00	61.4	32.5	72.0	68.9	68.6	68.6	70.0	63.0	35.0	60.6	63.0
18-Jan-22	17:30:00	18-Jan-2217:30	60.4	33.3	71.7	68.0	68.8	68.0	70.0	62.0	34.1	60.0	62.1
18-Jan-22	18:00:00	18-Jan-2218:00	59.4	33.5	71.0	68.0	67.7	68.0	69.3	61.7	34.0	59.7	62.0
18-Jan-22	18:30:00	18-Jan-2218:30	59.4	33.5	70.5	67.5	67.5	67.2	69.0	61.1	34.0	59.3	61.4
18-Jan-22	19:00:00	18-Jan-2219:00	66.8	33.5	74.9	71.4	71.5	68.9	71.1	64.3	34.4	60.1	63.0
18-Jan-22	19:30:00	18-Jan-2219:30	68.0	14.6	78.0	74.0	74.5	70.0	72.2	63.6	35.3	61.4	63.7
18-Jan-22	20:00:00	18-Jan-2220:00	68.0	30.6	78.0	74.6	74.1	70.0	72.7	64.0	36.0	61.5	63.7
18-Jan-22	20:30:00	18-Jan-2220:30	68.0	33.9	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.6	64.0
18-Jan-22	21:00:00	18-Jan-2221:00	68.0	33.9	78.0	75.0	75.0	70.3	73.0	64.0	36.0	62.0	64.4
18-Jan-22	21:30:00	18-Jan-2221:30	69.0	33.9	78.7	75.1	75.1	71.0	73.2	64.5	36.0	62.3	65.0
18-Jan-22	22:00:00	18-Jan-2222:00	70.0	33.1	79.0	76.0	75.7	71.0	73.4	65.0	36.6	62.5	64.7
18-Jan-22	22:30:00	18-Jan-2222:30	70.0	32.9	79.0	76.0	76.3	71.4	74.0	65.0	37.0	62.7	65.0
18-Jan-22	23:00:00	18-Jan-2223:00	70.0	33.9	79.0	76.0	76.0	72.0	74.0	65.3	37.0	63.0	65.0
18-Jan-22	23:30:00	18-Jan-2223:30	70.0	33.9	79.7	76.4	76.7	72.0	74.2	65.8	37.0	63.0	65.8
19-Jan-22	0:00:00	19-Jan-2200:00	70.0	33.9	79.7	76.2	76.7	72.0	74.1	66.0	37.0	63.2	66.0
19-Jan-22	0:30:00	19-Jan-2200:30	69.0	33.9	80.0	77.0	77.3	72.1	75.0	66.0	37.5	64.0	66.0
19-Jan-22	1:00:00	19-Jan-2201:00	61.9	33.9	76.4	71.4	71.3	70.6	71.8	64.1	36.2	62.0	64.2
19-Jan-22	1:30:00	19-Jan-2201:30	61.9	34.9	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.7	64.0
19-Jan-22	2:00:00	19-Jan-2202:00	61.9	34.9	73.0	70.0	70.0	70.0	71.0	63.1	36.0	61.4	64.0
19-Jan-22	2:30:00	19-Jan-2202:30	61.9	35.3	73.0	70.0	70.0	70.0	71.0	63.0	36.0	61.5	64.0
19-Jan-22	3:00:00	19-Jan-2203:00	61.9	35.1	73.0	70.0	70.0	69.9	71.0	63.0	35.8	61.0	63.1
19-Jan-22	3:30:00	19-Jan-2203:30	61.9	32.9	73.0	69.5	69.7	69.3	71.0	63.0	35.0	61.0	63.0
19-Jan-22	4:00:00	19-Jan-2204:00	61.9	33.7	72.0	69.0	70.0	69.0	70.8	63.0	35.0	61.0	63.0
19-Jan-22	4:30:00	19-Jan-2204:30	61.3	36.8	72.0	69.0	69.7	69.0	70.0	62.9	35.0	60.8	63.0
19-Jan-22	5:00:00	19-Jan-2205:00	59.8	36.8	72.0	68.6	69.0	68.3	70.0	62.0	34.2	60.0	62.2
19-Jan-22	5:30:00	19-Jan-2205:30	64.9	36.8	73.5	71.7	70.7	70.0	70.9	62.7	34.6	60.9	62.7

19-Jan-22	6:00:00	19-Jan-2206:00	68.9	35.9	78.2	75.4	76.0	70.7	73.0	64.0	36.0	62.0	64.0
19-Jan-22	6:30:00	19-Jan-2206:30	68.9	35.4	78.2	75.0	75.2	70.7	73.0	64.0	36.0	62.1	64.0
19-Jan-22	7:00:00	19-Jan-2207:00	68.9	34.9	78.0	75.0	75.0	70.6	72.7	63.5	35.6	61.8	64.1
19-Jan-22	7:30:00	19-Jan-2207:30	68.9	34.9	78.0	75.0	75.0	69.8	72.7	63.9	34.7	61.0	63.6
19-Jan-22	8:00:00	19-Jan-2208:00	68.9	34.1	78.0	75.0	74.4	69.6	72.9	63.0	35.0	61.0	63.6
19-Jan-22	8:30:00	19-Jan-2208:30	68.9	32.8	78.0	74.7	74.5	69.2	72.0	63.0	34.7	60.6	63.3
19-Jan-22	9:00:00	19-Jan-2209:00	68.9	32.8	77.7	74.7	74.6	69.7	72.0	63.4	34.9	60.5	63.0
19-Jan-22	9:30:00	19-Jan-2209:30	68.9	33.8	78.0	74.8	75.0	69.0	72.3	63.1	34.5	60.3	62.5
19-Jan-22	10:00:00	19-Jan-2210:00	68.9	35.1	78.0	74.6	74.2	69.3	72.4	63.2	35.0	60.8	63.0
19-Jan-22	10:30:00	19-Jan-2210:30	68.9	35.7	78.0	75.0	75.0	70.0	73.0	63.7	35.0	61.0	63.6
19-Jan-22	11:00:00	19-Jan-2211:00	68.9	33.4	78.4	74.9	75.4	70.0	73.0	64.0	35.0	61.0	63.5
19-Jan-22	11:30:00	19-Jan-2211:30	68.9	32.8	78.2	74.8	75.2	70.0	73.0	64.0	35.3	61.0	63.9
19-Jan-22	12:00:00	19-Jan-2212:00	68.9	33.3	78.3	75.0	75.3	70.0	73.0	64.0	35.0	61.0	64.0
19-Jan-22	12:30:00	19-Jan-2212:30	68.9	36.5	78.3	75.0	75.3	70.0	73.0	64.0	35.0	61.0	63.7
19-Jan-22	13:00:00	19-Jan-2213:00	68.9	36.7	78.0	75.0	75.0	70.0	73.0	63.4	35.4	60.7	63.3
19-Jan-22	13:30:00	19-Jan-2213:30	68.9	36.4	78.2	75.4	75.2	70.0	73.0	64.0	35.4	61.0	63.6
19-Jan-22	14:00:00	19-Jan-2214:00	68.9	36.5	79.0	75.7	76.0	70.3	73.0	64.0	35.9	61.0	64.0
19-Jan-22	14:30:00	19-Jan-2214:30	68.9	35.6	78.4	75.0	75.4	70.0	73.0	64.0	35.8	61.0	64.0
19-Jan-22	15:00:00	19-Jan-2215:00	68.9	32.2	79.0	75.3	75.7	70.5	73.0	64.1	36.0	61.6	64.0
19-Jan-22	15:30:00	19-Jan-2215:30	71.0	32.7	79.0	76.2	76.3	71.9	73.7	65.0	36.7	62.8	64.8
19-Jan-22	16:00:00	19-Jan-2216:00	71.0	34.3	79.3	76.0	76.5	72.0	74.0	65.6	37.0	63.0	65.3
19-Jan-22	16:30:00	19-Jan-2216:30	64.7	34.8	77.1	74.3	74.4	71.0	72.7	64.6	36.7	62.4	64.4
19-Jan-22	17:00:00	19-Jan-2217:00	60.6	34.8	72.2	69.0	70.0	69.0	71.0	63.0	35.0	60.9	63.0
19-Jan-22	17:30:00	19-Jan-2217:30	60.6	34.8	72.0	69.0	69.1	69.0	70.0	63.0	35.0	60.9	63.0
19-Jan-22	18:00:00	19-Jan-2218:00	60.6	34.0	71.2	68.2	67.9	68.4	70.0	62.1	35.0	60.0	62.4
19-Jan-22	18:30:00	19-Jan-2218:30	60.6	33.8	71.3	68.0	68.3	68.1	70.0	62.0	34.0	60.0	62.0
19-Jan-22	19:00:00	19-Jan-2219:00	60.6	33.8	71.0	68.0	68.0	68.0	69.2	62.0	34.0	59.6	62.0
19-Jan-22	19:30:00	19-Jan-2219:30	61.5	33.8	71.2	67.6	68.0	67.5	69.3	61.3	34.2	59.0	62.0
19-Jan-22	20:00:00	19-Jan-2220:00	68.5	33.8	78.0	74.0	74.6	70.0	72.0	63.4	35.2	61.2	64.0
19-Jan-22	20:30:00	19-Jan-2220:30	68.5	33.8	78.0	74.6	74.9	70.0	73.0	64.0	36.0	61.8	64.0
19-Jan-22	21:00:00	19-Jan-2221:00	68.5	33.8	78.5	75.0	75.2	70.7	73.0	64.0	36.0	62.0	64.3
19-Jan-22	21:30:00	19-Jan-2221:30	68.5	33.8	79.0	75.4	76.0	70.7	73.4	65.0	36.0	62.3	64.5
19-Jan-22	22:00:00	19-Jan-2222:00	68.5	33.8	79.0	76.0	76.0	71.0	74.0	65.0	36.3	62.7	65.0
19-Jan-22	22:30:00	19-Jan-2222:30	70.3	33.8	79.0	76.0	76.3	71.4	74.0	65.2	37.0	63.0	65.0
19-Jan-22	23:00:00	19-Jan-2223:00	70.5	33.8	79.6	76.0	76.8	72.0	74.0	66.0	37.0	63.0	65.0
19-Jan-22	23:30:00	19-Jan-2223:30	70.5	33.8	79.9	76.9	77.0	72.0	74.4	66.0	37.4	63.5	66.0
20-Jan-22	0:00:00	20-Jan-2200:00	70.5	33.8	80.0	77.0	77.0	72.0	74.7	66.0	37.7	63.3	66.0
20-Jan-22	0:30:00	20-Jan-2200:30	67.8	33.8	79.8	77.0	77.6	72.6	75.0	65.7	37.8	63.1	65.7

20-Jan-22	1:00:00	20-Jan-2201:00	62.4	34.2	73.0	71.9	74.2	70.0	72.6	64.0	36.0	61.9	64.0
20-Jan-22	1:30:00	20-Jan-2201:30	62.4	33.6	73.0	70.0	70.6	70.0	71.9	64.0	36.0	62.0	64.0
20-Jan-22	2:00:00	20-Jan-2202:00	62.4	31.9	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.6	64.0
20-Jan-22	2:30:00	20-Jan-2202:30	62.4	31.9	73.0	70.0	70.0	70.0	71.0	63.4	36.0	61.8	64.0
20-Jan-22	3:00:00	20-Jan-2203:00	62.4	33.7	73.0	70.0	70.0	70.0	71.0	63.3	36.0	61.3	63.7
20-Jan-22	3:30:00	20-Jan-2203:30	60.6	33.9	73.0	69.7	70.1	69.7	71.0	63.5	35.7	61.0	63.6
20-Jan-22	4:00:00	20-Jan-2204:00	60.4	34.8	72.8	70.0	70.2	69.2	71.0	63.0	35.1	61.0	63.0
20-Jan-22	4:30:00	20-Jan-2204:30	60.4	34.8	72.3	69.3	69.9	69.0	70.5	63.0	35.0	61.0	63.0
20-Jan-22	5:00:00	20-Jan-2205:00	60.4	34.8	72.0	69.0	69.3	68.4	70.0	62.1	34.7	60.3	62.7
20-Jan-22	5:30:00	20-Jan-2205:30	60.4	35.7	72.0	69.0	69.0	68.3	70.0	62.0	34.5	60.0	62.5
20-Jan-22	6:00:00	20-Jan-2206:00	69.1	34.9	77.6	74.6	74.3	70.2	71.8	63.4	35.3	61.5	63.3
20-Jan-22	6:30:00	20-Jan-2206:30	69.7	34.8	78.0	75.0	75.4	70.3	73.0	64.0	36.0	62.0	64.0
20-Jan-22	7:00:00	20-Jan-2207:00	69.7	35.4	78.3	75.3	75.5	70.6	73.0	64.3	36.0	62.0	64.0
20-Jan-22	7:30:00	20-Jan-2207:30	69.7	36.1	78.8	75.3	76.3	70.7	73.0	64.0	36.0	62.0	64.0
20-Jan-22	8:00:00	20-Jan-2208:00	69.6	36.0	79.0	75.3	75.7	71.0	73.3	64.0	36.0	62.0	64.0
20-Jan-22	8:30:00	20-Jan-2208:30	69.5	35.7	78.5	75.4	75.3	70.9	73.2	64.0	36.0	61.2	64.3
20-Jan-22	9:00:00	20-Jan-2209:00	69.6	34.8	79.3	75.7	75.6	70.5	73.1	64.4	36.3	63.4	63.5
20-Jan-22	9:30:00	20-Jan-2209:30	70.0	34.8	79.3	75.4	75.7	70.7	73.3	64.7	36.0	62.0	65.0
20-Jan-22	10:00:00	20-Jan-2210:00	70.0	34.1	79.0	75.4	75.7	71.0	73.3	65.0	36.9	62.7	65.0
20-Jan-22	10:30:00	20-Jan-2210:30	70.0	34.2	79.0	76.0	75.7	71.1	73.7	65.0	37.0	63.0	65.0
20-Jan-22	11:00:00	20-Jan-2211:00	70.0	35.4	79.6	76.3	76.3	72.0	74.0	65.0	37.0	63.0	65.1
20-Jan-22	11:30:00	20-Jan-2211:30	60.8	35.3	75.0	71.4	72.0	70.1	71.8	63.4	35.8	61.8	63.7
20-Jan-22	12:00:00	20-Jan-2212:00	60.5	35.7	73.0	69.5	70.0	69.0	71.0	63.0	35.3	61.0	63.3
20-Jan-22	12:30:00	20-Jan-2212:30	60.5	35.7	72.4	69.1	69.6	69.0	71.0	63.0	35.0	61.0	63.0
20-Jan-22	13:00:00	20-Jan-2213:00	60.5	35.7	72.5	69.6	69.8	69.0	70.4	63.0	34.7	61.0	63.0
20-Jan-22	13:30:00	20-Jan-2213:30	68.8	35.7	74.4	73.3	73.2	69.8	72.7	64.2	35.7	62.1	64.4
20-Jan-22	14:00:00	20-Jan-2214:00	70.2	35.7	79.0	76.0	76.0	70.5	74.0	65.0	36.6	62.7	65.0
20-Jan-22	14:30:00	20-Jan-2214:30	70.1	35.6	79.0	76.0	75.7	71.0	73.7	65.1	37.0	63.2	65.0
20-Jan-22	15:00:00	20-Jan-2215:00	70.3	33.4	79.0	76.0	76.0	71.0	74.0	65.2	37.0	62.9	65.0
20-Jan-22	15:30:00	20-Jan-2215:30	70.3	32.8	79.3	76.3	76.3	71.8	74.0	65.7	37.0	63.0	65.1
20-Jan-22	16:00:00	20-Jan-2216:00	70.3	32.8	79.7	76.0	76.3	72.0	74.0	66.0	37.0	63.0	65.7
20-Jan-22	16:30:00	20-Jan-2216:30	65.4	33.5	77.2	73.9	74.2	71.2	73.2	65.5	36.5	62.4	63.6
20-Jan-22	17:00:00	20-Jan-2217:00	61.7	33.8	73.0	69.7	70.0	69.5	71.0	63.4	36.0	61.3	63.4
20-Jan-22	17:30:00	20-Jan-2217:30	61.7	33.8	72.7	69.4	69.7	69.3	71.0	63.0	35.0	61.0	63.0
20-Jan-22	18:00:00	20-Jan-2218:00	61.7	33.8	72.0	68.9	69.1	69.0	70.5	63.0	35.0	61.0	63.0
20-Jan-22	18:30:00	20-Jan-2218:30	61.7	33.8	72.0	68.8	68.5	68.7	70.0	62.7	35.0	60.6	63.0
20-Jan-22	19:00:00	20-Jan-2219:00	60.1	33.8	71.9	68.4	68.3	68.1	70.0	62.0	34.0	60.0	62.3
20-Jan-22	19:30:00	20-Jan-2219:30	59.7	33.8	71.0	68.0	68.2	68.0	69.2	61.7	34.0	59.7	62.0

20-Jan-22	20:00:00	20-Jan-2220:00	59.7	33.8	71.0	68.0	68.1	68.0	69.3	61.6	34.0	60.0	62.0
20-Jan-22	20:30:00	20-Jan-2220:30	61.8	34.5	71.8	68.8	68.7	68.2	69.0	61.3	34.0	59.5	62.0
20-Jan-22	21:00:00	20-Jan-2221:00	68.4	31.9	77.8	74.5	75.0	70.0	72.6	63.0	35.8	62.0	63.9
20-Jan-22	21:30:00	20-Jan-2221:30	68.4	31.8	78.6	75.6	75.7	70.6	73.0	64.0	36.0	62.0	64.0
20-Jan-22	22:00:00	20-Jan-2222:00	68.4	32.3	78.7	75.3	76.0	71.0	73.0	64.9	36.0	62.0	64.6
20-Jan-22	22:30:00	20-Jan-2222:30	68.8	33.4	79.0	75.7	76.4	71.0	73.7	65.0	36.4	62.6	65.0
20-Jan-22	23:00:00	20-Jan-2223:00	70.4	33.8	79.0	76.0	76.2	71.2	73.7	65.0	37.0	63.0	65.0
20-Jan-22	23:30:00	20-Jan-2223:30	70.4	34.7	79.0	76.0	76.3	71.7	74.0	65.0	37.0	63.0	65.0
21-Jan-22	0:00:00	21-Jan-2200:00	70.4	33.8	79.0	76.0	76.0	71.4	74.0	65.0	37.0	63.0	65.0
21-Jan-22	0:30:00	21-Jan-2200:30	70.4	33.8	79.9	76.9	76.9	72.0	74.4	65.7	37.4	63.2	65.4
21-Jan-22	1:00:00	21-Jan-2201:00	70.4	34.7	80.0	77.0	77.0	72.3	74.4	66.0	37.7	63.1	66.0
21-Jan-22	1:30:00	21-Jan-2201:30	68.5	35.7	80.3	77.0	77.3	72.5	75.0	66.4	37.9	63.0	65.9
21-Jan-22	2:00:00	21-Jan-2202:00	62.4	34.7	76.3	70.7	70.9	70.2	72.0	64.0	36.0	61.5	64.0
21-Jan-22	2:30:00	21-Jan-2202:30	62.4	33.8	73.2	70.0	70.8	70.0	72.0	64.0	36.0	62.0	64.0
21-Jan-22	3:00:00	21-Jan-2203:00	62.4	34.8	73.0	70.0	70.4	70.0	71.3	64.0	36.0	62.0	64.0
21-Jan-22	3:30:00	21-Jan-2203:30	62.4	35.7	73.0	70.0	70.5	70.0	71.0	64.0	36.0	62.0	64.0
21-Jan-22	4:00:00	21-Jan-2204:00	62.0	35.7	73.0	69.7	70.0	69.7	71.0	63.3	35.9	61.2	63.6
21-Jan-22	4:30:00	21-Jan-2204:30	60.4	35.7	73.0	70.0	70.3	69.0	71.0	63.0	35.0	61.0	63.0
21-Jan-22	5:00:00	21-Jan-2205:00	60.4	35.7	72.2	68.9	69.7	68.2	70.4	62.3	34.7	60.1	62.3
21-Jan-22	5:30:00	21-Jan-2205:30	60.4	35.7	71.0	68.0	68.3	67.7	69.3	61.0	33.3	58.4	61.0
21-Jan-22	6:00:00	21-Jan-2206:00	64.7	34.8	72.4	74.5	70.9	69.3	70.1	61.1	33.6	59.1	61.6
21-Jan-22	6:30:00	21-Jan-2206:30	68.2	34.7	77.7	74.1	74.4	69.3	72.0	63.0	35.0	60.0	63.0
21-Jan-22	7:00:00	21-Jan-2207:00	68.2	34.7	77.0	74.0	74.6	69.3	72.0	63.0	35.0	60.0	63.0
21-Jan-22	7:30:00	21-Jan-2207:30	68.2	34.7	77.1	74.4	74.1	69.8	72.5	63.0	35.0	60.0	63.0
21-Jan-22	8:00:00	21-Jan-2208:00	68.2	34.3	77.4	74.2	74.5	69.8	72.0	63.0	34.7	60.0	63.0
21-Jan-22	8:30:00	21-Jan-2208:30	68.2	34.7	77.7	74.4	74.1	69.6	72.0	63.0	34.7	60.0	63.0
21-Jan-22	9:00:00	21-Jan-2209:00	68.2	34.7	78.0	74.3	74.8	69.3	72.0	63.0	34.7	60.0	63.0
21-Jan-22	9:30:00	21-Jan-2209:30	68.1	34.6	77.9	74.6	74.6	69.9	72.0	63.5	35.0	60.0	63.0
21-Jan-22	10:00:00	21-Jan-2210:00	67.9	33.8	77.8	74.5	74.5	70.0	72.3	63.3	34.4	60.0	63.0
21-Jan-22	10:30:00	21-Jan-2210:30	67.9	33.8	78.0	74.1	74.7	69.7	72.0	63.4	34.6	60.0	63.0
21-Jan-22	11:00:00	21-Jan-2211:00	68.7	34.2	77.4	74.7	73.8	69.4	72.8	64.0	34.8	60.0	63.0
21-Jan-22	11:30:00	21-Jan-2211:30	70.1	35.7	78.0	75.0	75.0	69.7	73.0	64.0	35.0	60.0	63.0
21-Jan-22	12:00:00	21-Jan-2212:00	70.1	35.7	78.0	74.7	74.6	70.0	73.0	64.0	35.0	60.0	63.5
21-Jan-22	12:30:00	21-Jan-2212:30	70.1	35.7	78.5	75.8	75.6	70.8	73.0	64.7	35.6	61.5	64.3
21-Jan-22	13:00:00	21-Jan-2213:00	70.1	35.7	79.0	76.0	75.7	71.0	73.7	65.0	36.0	62.0	65.0
21-Jan-22	13:30:00	21-Jan-2213:30	70.1	35.7	79.0	76.0	76.2	71.0	74.0	65.0	36.6	62.4	65.0
21-Jan-22	14:00:00	21-Jan-2214:00	70.1	35.7	78.9	75.9	76.4	71.0	74.0	65.0	37.0	63.0	65.0
21-Jan-22	14:30:00	21-Jan-2214:30	70.1	35.7	78.8	75.3	75.7	71.3	73.4	65.0	37.0	62.4	65.0

21-Jan-22	15:00:00	21-Jan-2215:00	70.1	35.7	79.0	75.8	76.0	71.8	73.9	66.0	37.0	63.0	65.0
21-Jan-22	15:30:00	21-Jan-2215:30	65.3	36.5	77.5	74.5	74.8	71.4	73.2	65.3	36.3	62.6	64.8
21-Jan-22	16:00:00	21-Jan-2216:00	61.1	36.5	73.0	69.3	69.6	69.3	71.0	63.0	35.0	61.0	63.0
21-Jan-22	16:30:00	21-Jan-2216:30	61.1	33.8	72.4	69.6	69.6	69.0	71.0	63.0	35.0	61.0	63.0
21-Jan-22	17:00:00	21-Jan-2217:00	61.1	33.8	72.0	69.0	69.1	69.0	70.7	63.0	35.0	60.7	63.0
21-Jan-22	17:30:00	21-Jan-2217:30	61.1	32.8	72.0	69.0	69.2	69.0	70.1	63.0	35.0	60.6	62.9
21-Jan-22	18:00:00	21-Jan-2218:00	59.5	32.8	71.9	68.3	68.3	68.1	70.0	62.2	34.6	60.0	62.0
21-Jan-22	18:30:00	21-Jan-2218:30	59.2	33.4	71.0	67.7	67.8	68.0	69.5	62.0	34.0	60.0	62.0
21-Jan-22	19:00:00	21-Jan-2219:00	59.2	35.0	71.0	67.7	68.0	67.4	69.0	61.3	33.6	59.5	61.3
21-Jan-22	19:30:00	21-Jan-2219:30	68.0	35.7	74.2	72.1	72.8	69.2	71.4	64.7	34.6	60.3	63.5
21-Jan-22	20:00:00	21-Jan-2220:00	68.6	35.7	78.0	74.9	74.9	70.0	72.9	64.0	35.7	61.2	64.0
21-Jan-22	20:30:00	21-Jan-2220:30	68.6	35.9	78.0	75.0	75.0	70.0	73.0	64.0	36.0	61.7	64.0
21-Jan-22	21:00:00	21-Jan-2221:00	68.6	35.8	78.0	75.0	75.3	70.3	73.0	64.0	36.0	62.0	64.1
21-Jan-22	21:30:00	21-Jan-2221:30	68.6	35.7	78.7	75.4	75.7	71.0	73.0	64.5	36.2	62.1	64.7
21-Jan-22	22:00:00	21-Jan-2222:00	68.7	34.9	79.0	76.0	76.0	71.0	73.9	65.0	36.7	62.7	65.0
21-Jan-22	22:30:00	21-Jan-2222:30	70.5	34.7	79.3	76.0	76.4	71.9	74.0	65.0	37.0	63.0	65.0
21-Jan-22	23:00:00	21-Jan-2223:00	70.5	34.7	79.2	76.0	76.8	71.4	74.0	65.6	37.0	63.0	65.3
21-Jan-22	23:30:00	21-Jan-2223:30	70.5	34.7	80.0	76.6	76.7	72.0	74.1	66.0	37.1	63.0	66.0
22-Jan-22	0:00:00	22-Jan-2200:00	70.5	34.7	80.0	77.0	76.8	72.0	74.1	66.0	37.4	63.3	66.0
22-Jan-22	0:30:00	22-Jan-2200:30	69.6	34.6	80.0	77.0	76.9	72.6	75.0	66.0	38.0	63.5	66.0
22-Jan-22	1:00:00	22-Jan-2201:00	61.1	33.7	74.7	71.4	71.6	70.7	72.1	64.2	36.3	61.7	64.2
22-Jan-22	1:30:00	22-Jan-2201:30	61.0	35.7	73.0	70.0	70.3	70.0	72.0	64.0	36.0	62.0	64.0
22-Jan-22	2:00:00	22-Jan-2202:00	61.0	35.7	73.0	70.0	70.0	70.0	71.8	64.0	36.0	62.0	64.0
22-Jan-22	2:30:00	22-Jan-2202:30	61.0	35.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
22-Jan-22	3:00:00	22-Jan-2203:00	61.0	35.7	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.9	64.0
22-Jan-22	3:30:00	22-Jan-2203:30	61.0	35.7	72.1	69.1	69.7	69.4	70.6	62.8	35.6	60.5	63.4
22-Jan-22	4:00:00	22-Jan-2204:00	61.0	35.7	72.0	69.0	69.0	68.3	70.0	62.0	34.2	60.0	62.0
22-Jan-22	4:30:00	22-Jan-2204:30	61.0	35.7	72.0	69.0	69.0	68.0	70.0	62.0	34.0	59.5	62.0
22-Jan-22	5:00:00	22-Jan-2205:00	62.6	36.5	72.7	69.6	69.8	68.2	69.5	61.5	34.0	59.1	61.7
22-Jan-22	5:30:00	22-Jan-2205:30	69.1	36.7	78.5	75.4	75.8	70.2	72.6	63.0	35.2	61.0	63.9
22-Jan-22	6:00:00	22-Jan-2206:00	69.1	36.7	78.7	75.7	76.0	71.0	73.0	64.0	36.0	61.0	64.0
22-Jan-22	6:30:00	22-Jan-2206:30	69.1	36.7	78.2	75.4	76.0	70.4	73.3	64.4	36.0	61.9	64.4
22-Jan-22	7:00:00	22-Jan-2207:00	69.1	35.8	78.7	76.0	76.0	71.3	74.0	65.0	37.0	62.7	65.0
22-Jan-22	7:30:00	22-Jan-2207:30	69.1	35.7	79.0	76.0	76.0	71.0	73.4	65.0	36.7	62.6	65.0
22-Jan-22	8:00:00	22-Jan-2208:00	69.1	35.3	79.0	75.4	75.4	71.0	74.0	65.0	36.0	62.0	65.0
22-Jan-22	8:30:00	22-Jan-2208:30	69.1	34.7	79.0	75.7	75.7	71.0	74.0	65.0	36.3	62.6	65.0
22-Jan-22	9:00:00	22-Jan-2209:00	69.1	26.6	79.0	76.0	75.7	71.0	74.0	65.0	36.4	62.6	65.0
22-Jan-22	9:30:00	22-Jan-2209:30	69.1	29.9	79.0	76.0	76.0	71.0	74.0	65.3	37.0	63.0	65.0

22-Jan-22	10:00:00	22-Jan-2210:00	69.1	27.0	79.3	76.0	76.0	71.6	74.0	65.0	37.0	63.0	65.0
22-Jan-22	10:30:00	22-Jan-2210:30	60.8	25.6	74.2	70.9	70.9	69.9	71.4	63.0	34.9	60.5	62.8
22-Jan-22	11:00:00	22-Jan-2211:00	60.1	30.4	71.7	68.4	69.0	68.2	70.0	62.4	33.9	60.0	62.5
22-Jan-22	11:30:00	22-Jan-2211:30	59.9	32.7	72.0	68.7	69.0	68.6	70.0	62.5	34.0	60.0	62.0
22-Jan-22	12:00:00	22-Jan-2212:00	63.2	34.4	73.5	70.2	68.2	68.5	70.1	62.2	34.1	60.4	62.2
22-Jan-22	12:30:00	22-Jan-2212:30	69.0	34.9	79.0	75.4	75.9	70.1	73.0	64.6	36.0	62.0	64.3
22-Jan-22	13:00:00	22-Jan-2213:00	69.0	29.0	79.0	75.4	75.8	71.0	73.0	64.6	36.0	61.7	64.0
22-Jan-22	13:30:00	22-Jan-2213:30	69.0	32.7	78.7	75.1	75.9	71.0	73.0	65.0	36.0	62.0	64.1
22-Jan-22	14:00:00	22-Jan-2214:00	69.0	35.8	79.0	75.7	76.0	71.0	73.2	65.0	36.0	62.1	65.0
22-Jan-22	14:30:00	22-Jan-2214:30	69.0	36.1	79.0	76.0	76.0	71.9	74.0	65.7	37.0	63.0	65.0
22-Jan-22	15:00:00	22-Jan-2215:00	69.0	35.3	79.0	76.4	76.0	71.7	74.0	66.0	37.0	63.0	65.0
22-Jan-22	15:30:00	22-Jan-2215:30	69.3	35.1	79.6	76.2	76.3	72.0	74.0	66.0	37.0	63.0	66.0
22-Jan-22	16:00:00	22-Jan-2216:00	67.7	35.1	79.2	75.6	75.8	71.8	74.0	66.0	36.8	63.3	65.3
22-Jan-22	16:30:00	22-Jan-2216:30	61.4	35.1	73.0	70.0	69.5	69.5	71.0	63.4	36.0	62.1	63.4
22-Jan-22	17:00:00	22-Jan-2217:00	61.4	35.1	72.1	69.7	69.1	69.3	71.0	63.0	35.0	61.0	63.3
22-Jan-22	17:30:00	22-Jan-2217:30	61.4	35.1	72.5	69.0	69.7	69.0	71.0	63.0	35.0	61.0	63.0
22-Jan-22	18:00:00	22-Jan-2218:00	61.4	35.1	72.0	68.9	69.4	69.0	70.0	62.8	35.0	60.4	63.0
22-Jan-22	18:30:00	22-Jan-2218:30	61.4	35.1	72.0	68.3	68.7	68.8	70.0	62.0	34.7	60.0	63.0
22-Jan-22	19:00:00	22-Jan-2219:00	62.2	35.1	71.7	68.3	68.5	68.0	70.4	62.0	34.0	60.0	62.0
22-Jan-22	19:30:00	22-Jan-2219:30	68.8	35.1	78.0	75.0	75.1	70.7	73.6	63.7	35.6	61.9	63.9
22-Jan-22	20:00:00	22-Jan-2220:00	68.8	35.1	78.0	75.0	75.7	70.4	73.0	64.0	36.0	62.0	64.0
22-Jan-22	20:30:00	22-Jan-2220:30	68.8	35.1	78.3	75.1	75.1	71.0	73.0	64.2	36.0	62.0	64.5
22-Jan-22	21:00:00	22-Jan-2221:00	68.8	35.1	78.8	75.2	76.0	71.0	73.0	65.0	36.0	62.0	65.0
22-Jan-22	21:30:00	22-Jan-2221:30	68.8	35.1	79.0	76.0	76.6	71.0	73.4	65.0	36.4	62.6	65.0
22-Jan-22	22:00:00	22-Jan-2222:00	70.7	35.1	79.0	76.0	76.3	71.8	74.0	65.0	37.0	63.0	65.3
22-Jan-22	22:30:00	22-Jan-2222:30	70.8	35.1	80.0	76.3	77.0	72.0	74.0	65.8	37.0	63.0	65.0
22-Jan-22	23:00:00	22-Jan-2223:00	70.8	35.1	80.0	76.3	77.0	72.0	74.0	66.0	37.0	63.1	65.9
22-Jan-22	23:30:00	22-Jan-2223:30	70.8	35.1	80.0	76.9	77.0	72.6	74.7	66.0	38.0	64.0	66.0
23-Jan-22	0:00:00	23-Jan-2200:00	64.6	33.6	76.6	73.7	73.3	71.9	73.1	64.8	36.9	63.2	64.8
23-Jan-22	0:30:00	23-Jan-2200:30	62.4	32.2	73.0	70.0	70.0	70.0	71.3	64.0	36.0	62.0	64.0
23-Jan-22	1:00:00	23-Jan-2201:00	62.4	32.2	73.0	70.0	70.0	70.0	71.0	63.7	36.0	61.9	64.0
23-Jan-22	1:30:00	23-Jan-2201:30	62.4	33.7	73.0	70.0	70.0	70.0	71.0	63.0	36.0	61.5	64.0
23-Jan-22	2:00:00	23-Jan-2202:00	62.4	34.2	73.0	69.4	70.0	69.7	71.0	63.0	35.7	61.6	63.4
23-Jan-22	2:30:00	23-Jan-2202:30	62.4	34.2	73.0	70.0	70.0	69.7	71.0	63.0	35.6	61.0	63.0
23-Jan-22	3:00:00	23-Jan-2203:00	60.3	34.2	73.0	69.7	70.0	69.3	71.0	63.0	35.0	61.0	63.0
23-Jan-22	3:30:00	23-Jan-2203:30	60.3	34.6	72.2	69.2	69.7	69.0	70.7	63.0	35.0	61.0	63.0
23-Jan-22	4:00:00	23-Jan-2204:00	60.3	35.1	72.0	69.0	69.1	69.0	70.0	62.8	34.8	60.9	62.8
23-Jan-22	4:30:00	23-Jan-2204:30	60.3	36.0	71.7	68.5	69.2	68.2	70.0	62.0	34.0	59.0	62.0

23-Jan-22	5:00:00	23-Jan-2205:00	61.2	37.1	71.0	68.3	68.6	67.6	69.2	61.2	33.2	59.0	61.2
23-Jan-22	5:30:00	23-Jan-2205:30	68.8	37.1	77.2	74.1	74.2	69.5	72.6	63.9	34.8	60.8	63.8
23-Jan-22	6:00:00	23-Jan-2206:00	68.8	36.5	79.0	75.7	76.0	70.7	73.0	64.0	35.0	61.0	64.0
23-Jan-22	6:30:00	23-Jan-2206:30	68.8	35.0	79.0	76.0	76.0	70.7	73.3	64.3	35.6	61.0	64.0
23-Jan-22	7:00:00	23-Jan-2207:00	69.8	34.2	79.0	75.7	75.7	71.1	74.0	64.2	36.2	61.6	64.2
23-Jan-22	7:30:00	23-Jan-2207:30	70.8	34.2	79.0	76.0	76.0	71.4	74.0	65.0	36.7	63.0	65.0
23-Jan-22	8:00:00	23-Jan-2208:00	70.8	32.5	79.0	76.0	76.0	72.0	74.0	65.0	37.0	62.7	65.0
23-Jan-22	8:30:00	23-Jan-2208:30	70.8	33.7	79.0	75.7	75.8	71.2	74.0	65.0	37.0	63.0	65.0
23-Jan-22	9:00:00	23-Jan-2209:00	70.8	34.2	79.0	75.9	75.7	71.3	74.0	65.0	37.0	63.0	65.0
23-Jan-22	9:30:00	23-Jan-2209:30	70.8	35.1	79.0	75.8	76.0	71.0	74.0	65.0	37.0	62.8	65.0
23-Jan-22	10:00:00	23-Jan-2210:00	70.8	35.5	79.0	75.7	76.0	71.0	74.0	65.0	36.2	62.0	65.0
23-Jan-22	10:30:00	23-Jan-2210:30	68.6	36.1	79.0	76.0	76.0	71.6	74.0	64.9	37.0	62.6	64.9
23-Jan-22	11:00:00	23-Jan-2211:00	61.5	36.1	72.5	69.5	69.4	69.2	71.0	62.8	35.0	60.3	62.8
23-Jan-22	11:30:00	23-Jan-2211:30	60.2	36.1	71.8	68.2	68.5	68.1	69.6	61.7	33.6	59.2	61.4
23-Jan-22	12:00:00	23-Jan-2212:00	59.5	36.1	71.0	68.0	68.0	67.0	69.0	61.0	33.0	58.0	61.0
23-Jan-22	12:30:00	23-Jan-2212:30	62.9	36.4	71.0	69.3	68.9	67.5	70.0	61.4	33.3	58.2	61.0
23-Jan-22	13:00:00	23-Jan-2213:00	68.3	37.1	77.3	75.0	75.2	70.0	73.0	64.0	35.0	60.5	63.7
23-Jan-22	13:30:00	23-Jan-2213:30	68.3	37.1	78.0	75.0	74.7	70.0	73.0	64.0	35.0	61.0	64.0
23-Jan-22	14:00:00	23-Jan-2214:00	69.7	34.6	78.6	75.3	75.6	70.5	73.3	65.0	35.7	61.5	64.7
23-Jan-22	14:30:00	23-Jan-2214:30	70.3	34.2	79.0	76.0	76.0	71.0	74.0	65.0	37.0	62.9	65.0
23-Jan-22	15:00:00	23-Jan-2215:00	70.3	33.3	79.0	76.0	76.0	71.2	74.0	65.0	37.0	63.0	65.0
23-Jan-22	15:30:00	23-Jan-2215:30	70.3	33.0	79.0	76.0	76.0	71.7	74.0	65.8	37.0	63.0	65.0
23-Jan-22	16:00:00	23-Jan-2216:00	70.3	33.2	79.2	76.0	76.3	72.0	74.0	66.0	37.0	63.0	65.0
23-Jan-22	16:30:00	23-Jan-2216:30	70.3	33.2	79.7	76.3	76.0	72.0	74.0	66.0	37.1	63.3	66.0
23-Jan-22	17:00:00	23-Jan-2217:00	65.2	33.2	76.8	73.5	73.8	71.0	72.7	65.1	36.7	63.0	65.4
23-Jan-22	17:30:00	23-Jan-2217:30	61.5	33.2	73.0	69.1	69.4	69.0	71.0	63.0	35.0	61.4	63.3
23-Jan-22	18:00:00	23-Jan-2218:00	61.5	33.2	72.0	68.6	68.5	69.0	70.5	62.7	35.0	60.6	63.0
23-Jan-22	18:30:00	23-Jan-2218:30	61.5	33.2	72.0	68.3	68.6	68.5	70.0	62.6	34.9	60.3	62.6
23-Jan-22	19:00:00	23-Jan-2219:00	60.1	33.2	71.6	68.0	69.0	68.0	70.0	62.0	34.0	60.0	62.0
23-Jan-22	19:30:00	23-Jan-2219:30	59.5	33.2	71.0	68.0	68.2	68.0	69.4	61.9	34.0	59.5	62.0
23-Jan-22	20:00:00	23-Jan-2220:00	59.5	33.2	71.0	68.0	68.0	67.7	69.2	61.0	34.0	59.6	62.0
23-Jan-22	20:30:00	23-Jan-2220:30	65.6	33.2	74.8	71.7	71.8	69.1	72.0	62.2	34.4	60.3	62.4
23-Jan-22	21:00:00	23-Jan-2221:00	68.6	33.2	78.0	74.7	75.0	70.0	72.5	64.0	35.7	61.1	64.0
23-Jan-22	21:30:00	23-Jan-2221:30	68.6	33.2	78.2	75.2	75.3	70.2	73.0	64.0	36.0	62.0	64.0
23-Jan-22	22:00:00	23-Jan-2222:00	68.6	33.2	79.0	75.1	75.7	71.0	73.0	64.0	36.0	62.0	64.0
23-Jan-22	22:30:00	23-Jan-2222:30	68.6	33.2	79.0	75.7	76.0	71.0	73.3	64.1	36.0	62.0	64.6
23-Jan-22	23:00:00	23-Jan-2223:00	69.1	33.2	79.0	76.0	76.0	71.0	73.7	65.0	36.2	62.0	65.0
23-Jan-22	23:30:00	23-Jan-2223:30	70.6	33.2	79.2	76.0	76.2	71.8	74.0	65.0	37.0	63.0	65.3

24-Jan-22	0:00:00	24-Jan-2200:00	70.6	33.2	79.1	76.0	76.1	71.4	74.0	65.0	37.0	63.0	65.2
24-Jan-22	0:30:00	24-Jan-2200:30	70.6	33.7	79.8	76.5	77.0	72.0	74.0	65.9	37.0	63.4	65.9
24-Jan-22	1:00:00	24-Jan-2201:00	70.6	34.0	79.4	76.7	77.0	72.0	74.7	66.0	37.6	63.1	66.0
24-Jan-22	1:30:00	24-Jan-2201:30	65.0	31.4	78.5	73.6	73.7	71.1	72.5	65.3	35.6	62.9	65.4
24-Jan-22	2:00:00	24-Jan-2202:00	62.0	31.2	73.0	69.7	70.1	69.4	71.3	63.4	36.0	61.2	63.4
24-Jan-22	2:30:00	24-Jan-2202:30	62.0	33.4	73.0	70.0	70.0	70.0	71.0	64.0	36.0	61.9	64.0
24-Jan-22	3:00:00	24-Jan-2203:00	62.0	34.2	73.0	70.0	70.6	70.0	71.0	63.3	36.0	61.2	64.0
24-Jan-22	3:30:00	24-Jan-2203:30	62.0	34.2	73.0	70.0	70.0	69.7	71.0	63.0	35.4	61.3	63.4
24-Jan-22	4:00:00	24-Jan-2204:00	61.0	35.1	72.7	69.4	70.0	69.4	71.0	63.0	35.0	61.0	63.0
24-Jan-22	4:30:00	24-Jan-2204:30	60.0	34.4	72.2	69.3	69.5	68.8	70.2	62.7	35.0	60.9	63.0
24-Jan-22	5:00:00	24-Jan-2205:00	60.0	34.6	71.9	68.7	69.0	68.0	70.0	62.0	34.0	60.0	62.0
24-Jan-22	5:30:00	24-Jan-2205:30	62.6	35.1	72.2	69.2	69.7	67.9	70.3	61.2	33.7	59.4	62.9
24-Jan-22	6:00:00	24-Jan-2206:00	67.9	34.4	78.0	74.9	74.7	69.0	72.0	63.0	34.7	60.0	63.0
24-Jan-22	6:30:00	24-Jan-2206:30	67.9	34.0	78.0	74.8	74.5	69.3	72.0	63.0	35.0	60.0	63.0
24-Jan-22	7:00:00	24-Jan-2207:00	67.9	33.2	78.0	74.7	74.3	69.3	72.0	63.5	35.0	60.8	63.0
24-Jan-22	7:30:00	24-Jan-2207:30	67.9	33.2	78.0	74.7	75.3	70.0	72.8	64.0	35.0	60.4	63.6
24-Jan-22	8:00:00	24-Jan-2208:00	67.9	33.4	78.0	74.7	75.0	70.0	72.6	63.7	35.0	61.0	63.6
24-Jan-22	8:30:00	24-Jan-2208:30	67.9	34.8	78.0	74.5	75.0	70.0	72.8	64.0	35.0	61.0	63.3
24-Jan-22	9:00:00	24-Jan-2209:00	67.9	36.8	78.0	75.0	74.7	70.0	72.7	64.0	35.0	61.0	64.0
24-Jan-22	9:30:00	24-Jan-2209:30	69.8	37.1	78.0	74.7	75.0	70.6	73.0	64.0	35.2	61.0	64.0
24-Jan-22	10:00:00	24-Jan-2210:00	70.1	35.8	78.0	75.0	75.5	70.0	73.0	64.0	35.1	61.0	64.0
24-Jan-22	10:30:00	24-Jan-2210:30	70.2	35.1	78.3	75.0	75.0	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	11:00:00	24-Jan-2211:00	70.2	34.1	78.0	75.0	74.7	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	11:30:00	24-Jan-2211:30	70.2	32.2	78.3	75.0	75.3	70.0	73.0	64.0	35.3	61.0	64.0
24-Jan-22	12:00:00	24-Jan-2212:00	69.6	31.9	78.0	74.8	74.2	70.0	73.0	64.0	35.0	61.0	64.0
24-Jan-22	12:30:00	24-Jan-2212:30	68.7	32.6	78.1	74.6	74.9	70.0	73.0	64.0	35.7	61.0	64.0
24-Jan-22	13:00:00	24-Jan-2213:00	68.8	33.3	78.5	75.5	74.7	70.3	73.0	64.6	36.0	61.0	64.0
24-Jan-22	13:30:00	24-Jan-2213:30	68.8	33.8	78.0	74.9	74.7	70.6	73.0	64.5	36.0	61.0	64.0
24-Jan-22	14:00:00	24-Jan-2214:00	68.7	35.0	78.5	75.6	74.9	71.0	73.0	64.6	36.0	61.4	64.0
24-Jan-22	14:30:00	24-Jan-2214:30	68.5	35.1	79.0	76.0	75.7	71.0	73.0	65.0	36.0	62.0	64.5
24-Jan-22	15:00:00	24-Jan-2215:00	68.5	34.6	79.0	75.2	75.7	71.0	73.0	65.0	36.0	62.0	64.7
24-Jan-22	15:30:00	24-Jan-2215:30	68.5	34.2	79.0	75.3	75.4	71.0	73.0	65.0	36.0	61.7	64.7
24-Jan-22	16:00:00	24-Jan-2216:00	68.5	34.2	78.7	75.0	75.0	71.0	73.2	65.0	36.0	62.0	64.7
24-Jan-22	16:30:00	24-Jan-2216:30	68.5	34.2	78.4	75.0	75.6	71.0	74.0	65.0	36.0	62.0	65.0
24-Jan-22	17:00:00	24-Jan-2217:00	68.5	34.2	78.6	75.3	75.0	71.0	73.7	65.0	36.0	62.0	64.7
24-Jan-22	17:30:00	24-Jan-2217:30	68.5	34.2	78.9	75.0	75.0	71.0	73.4	65.0	36.0	62.0	64.7
24-Jan-22	18:00:00	24-Jan-2218:00	68.5	34.2	78.3	74.9	74.6	71.0	73.0	65.0	36.0	62.0	64.5
24-Jan-22	18:30:00	24-Jan-2218:30	63.2	34.2	76.3	71.2	71.1	69.5	70.3	63.2	33.6	60.4	63.2

24-Jan-22	19:00:00	24-Jan-2219:00	60.1	34.2	71.0	67.7	67.6	67.1	69.0	61.0	33.0	58.4	60.7
24-Jan-22	19:30:00	24-Jan-2219:30	60.4	34.2	71.0	67.0	67.5	67.0	69.0	61.0	33.0	58.0	61.0
24-Jan-22	20:00:00	24-Jan-2220:00	59.1	33.9	70.9	67.0	67.3	67.0	69.0	60.5	33.0	58.0	60.3
24-Jan-22	20:30:00	24-Jan-2220:30	58.4	33.2	70.0	66.7	67.0	66.5	68.4	60.0	32.2	58.0	60.3
24-Jan-22	21:00:00	24-Jan-2221:00	63.7	33.2	72.5	69.5	69.6	67.3	70.3	63.4	33.2	58.6	61.6
24-Jan-22	21:30:00	24-Jan-2221:30	67.8	33.6	77.8	74.5	74.0	69.8	72.0	63.4	34.9	60.0	63.0
24-Jan-22	22:00:00	24-Jan-2222:00	67.8	34.2	78.0	75.0	74.9	70.0	72.1	63.8	35.0	60.0	63.0
24-Jan-22	22:30:00	24-Jan-2222:30	67.8	34.1	78.0	75.0	75.0	70.0	73.0	63.9	35.0	61.0	63.6
24-Jan-22	23:00:00	24-Jan-2223:00	67.8	32.3	78.0	75.0	75.0	70.0	72.4	64.0	35.0	61.0	64.0
24-Jan-22	23:30:00	24-Jan-2223:30	67.8	32.2	78.0	75.0	75.0	70.5	73.0	64.0	35.6	61.0	64.0
25-Jan-22	0:00:00	25-Jan-2200:00	67.8	32.4	78.0	75.0	75.4	70.1	73.0	64.0	35.1	61.0	64.0
25-Jan-22	0:30:00	25-Jan-2200:30	69.4	34.1	78.5	75.5	76.0	71.0	73.0	64.3	36.0	61.1	64.0
25-Jan-22	1:00:00	25-Jan-2201:00	69.9	34.2	78.7	75.7	76.0	71.0	73.0	65.0	36.0	61.7	64.0
25-Jan-22	1:30:00	25-Jan-2201:30	69.9	34.7	79.0	76.0	76.0	71.0	73.3	65.0	36.0	62.0	64.9
25-Jan-22	2:00:00	25-Jan-2202:00	69.9	34.3	79.0	76.0	76.0	71.0	74.0	65.0	36.0	62.0	65.0
25-Jan-22	2:30:00	25-Jan-2202:30	69.9	34.2	79.0	76.0	76.0	71.0	74.0	65.0	36.0	62.0	65.0
25-Jan-22	3:00:00	25-Jan-2203:00	69.9	34.2	79.0	76.0	76.6	71.9	73.7	65.0	36.0	62.0	65.0
25-Jan-22	3:30:00	25-Jan-2203:30	69.9	34.2	80.0	76.6	77.0	72.0	74.0	65.0	36.8	62.0	65.0
25-Jan-22	4:00:00	25-Jan-2204:00	69.9	34.2	79.4	76.0	76.1	71.2	74.0	65.0	36.7	62.0	65.0
25-Jan-22	4:30:00	25-Jan-2204:30	64.1	34.2	76.5	73.3	73.7	70.2	72.3	63.6	35.8	59.6	63.7
25-Jan-22	5:00:00	25-Jan-2205:00	60.3	34.2	72.0	69.0	69.0	68.2	70.1	62.1	34.1	60.0	62.1
25-Jan-22	5:30:00	25-Jan-2205:30	60.9	34.2	72.0	69.0	69.4	69.0	70.2	62.1	35.0	61.0	63.0
25-Jan-22	6:00:00	25-Jan-2206:00	59.9	33.4	72.0	68.7	68.5	68.1	70.0	62.3	34.3	60.2	62.3
25-Jan-22	6:30:00	25-Jan-2206:30	59.9	34.2	71.5	68.3	68.8	68.0	70.0	61.7	34.0	60.0	62.0
25-Jan-22	7:00:00	25-Jan-2207:00	59.9	34.2	71.0	68.0	68.3	68.0	70.0	62.0	34.0	60.0	62.0
25-Jan-22	7:30:00	25-Jan-2207:30	59.9	34.2	71.0	68.0	68.3	67.9	69.8	62.0	34.0	60.0	62.0
25-Jan-22	8:00:00	25-Jan-2208:00	59.9	34.2	71.0	67.7	68.0	67.6	69.0	61.6	33.9	59.5	61.9
25-Jan-22	8:30:00	25-Jan-2208:30	59.9	33.3	70.3	67.0	67.0	67.0	69.0	61.0	33.3	59.0	61.0
25-Jan-22	9:00:00	25-Jan-2209:00	63.6	33.5	70.9	69.4	69.5	67.6	70.4	61.3	34.7	59.5	61.2
25-Jan-22	9:30:00	25-Jan-2209:30	67.5	34.2	77.0	74.0	73.3	69.4	72.0	63.3	35.0	61.0	63.0
25-Jan-22	10:00:00	25-Jan-2210:00	68.4	34.2	77.0	73.2	74.7	69.7	72.3	63.0	35.0	61.0	63.3
25-Jan-22	10:30:00	25-Jan-2210:30	69.4	34.2	77.3	74.2	74.3	70.0	72.0	64.0	35.0	61.0	63.7
25-Jan-22	11:00:00	25-Jan-2211:00	69.3	34.5	78.0	74.6	74.1	70.0	72.6	64.0	35.8	61.7	63.4
25-Jan-22	11:30:00	25-Jan-2211:30	69.3	33.9	77.9	74.8	74.7	70.2	72.6	64.0	35.7	62.0	64.3
25-Jan-22	12:00:00	25-Jan-2212:00	69.3	31.5	78.1	74.8	74.8	70.7	73.0	64.6	36.0	62.0	64.0
25-Jan-22	12:30:00	25-Jan-2212:30	69.3	31.4	78.8	75.3	75.0	71.0	73.0	64.9	36.0	62.0	64.9
25-Jan-22	13:00:00	25-Jan-2213:00	69.3	33.2	78.9	75.9	75.5	71.0	73.9	65.0	37.0	62.3	65.0
25-Jan-22	13:30:00	25-Jan-2213:30	69.3	33.2	79.0	76.0	76.0	71.3	73.3	65.0	36.4	62.7	65.0

25-Jan-22	14:00:00	25-Jan-2214:00	69.3	33.2	79.0	76.0	76.0	71.6	74.0	65.3	37.0	63.0	65.0
25-Jan-22	14:30:00	25-Jan-2214:30	69.3	32.3	79.2	76.0	76.2	72.0	74.0	65.9	37.0	63.1	65.0
25-Jan-22	15:00:00	25-Jan-2215:00	69.3	32.4	80.0	76.0	76.1	72.0	74.3	66.0	37.0	63.2	66.0
25-Jan-22	15:30:00	25-Jan-2215:30	69.3	32.2	79.3	76.0	76.0	72.0	74.0	65.7	37.0	63.0	65.5
25-Jan-22	16:00:00	25-Jan-2216:00	63.6	32.8	75.8	72.3	72.2	70.6	72.3	65.6	36.6	62.0	62.9
25-Jan-22	16:30:00	25-Jan-2216:30	61.9	33.2	72.8	69.0	69.6	69.6	71.0	63.3	35.5	61.0	63.7
25-Jan-22	17:00:00	25-Jan-2217:00	61.9	33.2	72.0	69.0	69.0	69.0	71.0	63.0	35.0	61.0	63.0
25-Jan-22	17:30:00	25-Jan-2217:30	61.0	33.2	72.0	68.6	69.0	68.9	70.2	63.0	35.0	60.7	63.0
25-Jan-22	18:00:00	25-Jan-2218:00	59.9	33.2	72.0	68.0	68.2	68.0	70.0	62.0	34.4	60.0	62.4
25-Jan-22	18:30:00	25-Jan-2218:30	59.9	33.2	71.1	68.0	68.0	68.0	69.3	62.0	34.0	60.0	62.0
25-Jan-22	19:00:00	25-Jan-2219:00	59.9	33.2	71.0	67.5	67.2	68.0	69.0	61.1	33.7	59.6	61.7
25-Jan-22	19:30:00	25-Jan-2219:30	64.9	33.2	73.0	69.3	69.3	68.0	70.2	62.4	33.8	59.8	62.0
25-Jan-22	20:00:00	25-Jan-2220:00	68.3	33.6	78.0	74.0	74.3	70.0	72.0	64.0	35.3	61.0	64.0
25-Jan-22	20:30:00	25-Jan-2220:30	68.3	34.2	78.0	74.6	74.9	70.0	72.6	64.0	36.0	61.8	64.0
25-Jan-22	21:00:00	25-Jan-2221:00	68.3	33.3	78.0	75.0	75.0	70.9	73.0	64.0	36.0	62.0	64.0
25-Jan-22	21:30:00	25-Jan-2221:30	68.3	33.2	78.4	75.1	75.1	71.0	73.2	64.6	36.0	62.0	64.8
25-Jan-22	22:00:00	25-Jan-2222:00	68.5	33.5	79.0	75.4	76.0	71.0	73.7	65.0	36.6	63.0	65.0
25-Jan-22	22:30:00	25-Jan-2222:30	70.3	33.2	79.0	76.0	76.1	71.4	74.0	65.0	37.0	63.0	65.0
25-Jan-22	23:00:00	25-Jan-2223:00	70.3	33.2	79.0	76.0	76.7	72.0	74.0	65.3	37.0	63.0	65.0
25-Jan-22	23:30:00	25-Jan-2223:30	70.3	33.6	79.9	76.3	77.0	72.0	74.1	65.8	37.0	63.0	66.0
26-Jan-22	0:00:00	26-Jan-2200:00	70.3	34.2	80.0	76.3	76.4	72.0	74.2	66.0	37.0	63.0	66.0
26-Jan-22	0:30:00	26-Jan-2200:30	70.3	34.2	80.0	76.9	77.0	72.3	74.9	66.0	37.7	63.5	66.0
26-Jan-22	1:00:00	26-Jan-2201:00	66.7	33.3	79.0	76.0	76.0	72.0	74.4	65.4	37.6	61.8	65.5
26-Jan-22	1:30:00	26-Jan-2201:30	62.2	33.4	73.3	70.3	70.6	70.0	71.7	64.0	36.0	62.0	64.0
26-Jan-22	2:00:00	26-Jan-2202:00	62.2	34.7	73.0	70.0	70.6	70.0	71.2	64.0	36.0	62.0	64.0
26-Jan-22	2:30:00	26-Jan-2202:30	62.2	36.1	73.0	70.0	70.0	70.0	71.0	64.0	36.0	62.0	64.0
26-Jan-22	3:00:00	26-Jan-2203:00	62.2	36.1	73.0	70.0	70.3	70.0	71.0	64.0	36.0	61.7	64.0
26-Jan-22	3:30:00	26-Jan-2203:30	61.5	36.0	73.0	70.0	70.0	70.0	71.0	63.7	35.7	61.2	64.0
26-Jan-22	4:00:00	26-Jan-2204:00	60.2	33.3	72.7	69.7	70.0	69.3	71.0	63.2	35.2	61.1	63.2
26-Jan-22	4:30:00	26-Jan-2204:30	60.2	33.2	72.5	69.5	70.0	69.0	70.7	63.0	35.0	60.8	63.0
26-Jan-22	5:00:00	26-Jan-2205:00	60.2	33.6	71.6	68.6	68.6	68.3	69.5	61.6	34.3	59.9	61.7
26-Jan-22	5:30:00	26-Jan-2205:30	60.2	36.1	71.0	67.4	67.7	67.2	69.0	61.0	33.0	58.3	61.0
26-Jan-22	6:00:00	26-Jan-2206:00	66.6	35.1	74.5	69.1	65.9	68.4	70.8	62.1	33.8	59.2	62.6
26-Jan-22	6:30:00	26-Jan-2206:30	67.2	34.1	75.5	69.5	64.7	69.0	71.0	63.0	34.3	60.3	62.7
26-Jan-22	7:00:00	26-Jan-2207:00	67.2	33.5	75.4	69.1	64.4	69.0	71.5	63.0	34.0	60.0	63.0
26-Jan-22	7:30:00	26-Jan-2207:30	67.2	34.2	76.0	70.0	65.0	69.0	71.1	63.0	34.3	60.0	63.0
26-Jan-22	8:00:00	26-Jan-2208:00	67.2	33.3	75.6	69.6	65.0	69.0	71.3	63.0	34.6	60.0	63.0
26-Jan-22	8:30:00	26-Jan-2208:30	68.5	33.2	76.5	70.8	70.3	69.5	72.1	63.3	34.9	60.3	63.0

26-Jan-22	9:00:00	26-Jan-2209:00	69.4	32.6	78.0	75.0	75.1	70.0	72.9	64.0	35.0	60.9	63.3
26-Jan-22	9:30:00	26-Jan-2209:30	69.4	33.2	78.0	74.4	74.7	69.4	72.5	63.7	35.0	61.0	63.0
26-Jan-22	10:00:00	26-Jan-2210:00	69.4	33.8	78.0	74.4	75.0	70.0	73.0	64.0	35.0	61.0	63.7
26-Jan-22	10:30:00	26-Jan-2210:30	69.4	34.2	78.1	75.1	75.0	70.0	73.0	64.0	35.0	61.0	64.0
26-Jan-22	11:00:00	26-Jan-2211:00	69.4	34.8	77.9	74.7	74.0	69.8	73.0	64.0	35.4	61.0	64.0
26-Jan-22	11:30:00	26-Jan-2211:30	69.4	35.1	78.4	74.7	72.6	70.3	73.0	64.0	35.7	61.6	64.0
26-Jan-22	12:00:00	26-Jan-2212:00	69.4	32.7	79.0	76.2	75.6	71.2	73.9	64.0	36.9	62.4	64.9
26-Jan-22	12:30:00	26-Jan-2212:30	69.5	32.2	79.0	76.4	76.3	71.4	74.0	64.0	37.0	63.0	65.0
26-Jan-22	13:00:00	26-Jan-2213:00	71.5	33.1	79.7	76.4	77.0	72.0	74.0	64.0	37.0	63.0	65.4
26-Jan-22	13:30:00	26-Jan-2213:30	71.5	34.2	80.0	76.9	77.0	71.7	74.1	64.0	37.0	63.0	65.5
26-Jan-22	14:00:00	26-Jan-2214:00	70.1	34.2	80.0	77.0	77.0	72.0	74.8	64.0	37.2	63.9	66.0
26-Jan-22	14:30:00	26-Jan-2214:30	60.5	34.2	74.2	71.3	71.2	70.4	71.3	64.0	35.9	62.3	64.1
26-Jan-22	15:00:00	26-Jan-2215:00	60.5	34.2	72.7	69.7	69.7	69.4	71.0	64.0	35.0	61.2	63.2
26-Jan-22	15:30:00	26-Jan-2215:30	60.5	34.2	72.0	69.0	69.7	69.0	71.0	64.0	35.0	61.0	63.2
26-Jan-22	16:00:00	26-Jan-2216:00	60.5	34.2	72.0	69.0	69.2	69.0	70.1	64.0	35.0	61.0	63.0
26-Jan-22	16:30:00	26-Jan-2216:30	60.5	34.2	72.0	68.7	69.0	69.0	70.0	64.0	35.0	60.4	63.0
26-Jan-22	17:00:00	26-Jan-2217:00	60.5	34.2	71.2	68.2	68.7	68.5	70.0	64.0	34.4	60.0	62.4
26-Jan-22	17:30:00	26-Jan-2217:30	60.5	34.2	71.6	68.0	68.6	68.0	69.9	64.0	34.0	60.0	62.0
26-Jan-22	18:00:00	26-Jan-2218:00	68.1	34.2	76.1	72.5	72.6	69.6	72.4	64.0	35.8	61.5	63.8
26-Jan-22	18:30:00	26-Jan-2218:30	69.4	34.2	77.6	74.6	74.6	70.0	72.6	64.0	36.0	62.0	64.0
26-Jan-22	19:00:00	26-Jan-2219:00	69.8	34.2	78.0	74.4	74.7	70.0	72.3	64.0	36.0	61.7	63.7
26-Jan-22	19:30:00	26-Jan-2219:30	69.8	34.2	78.0	75.3	75.1	70.6	72.7	64.0	36.0	62.0	64.0
26-Jan-22	20:00:00	26-Jan-2220:00	69.8	34.2	78.0	75.0	75.5	70.3	73.0	64.0	36.0	62.0	64.0
26-Jan-22	20:30:00	26-Jan-2220:30	69.8	34.2	78.3	75.0	75.6	70.6	73.0	64.0	36.0	62.0	64.2
26-Jan-22	21:00:00	26-Jan-2221:00	69.8	33.4	79.0	75.7	76.0	71.0	73.0	64.0	36.3	62.0	65.0
26-Jan-22	21:30:00	26-Jan-2221:30	69.8	33.2	79.0	76.0	76.0	71.3	74.0	64.0	36.1	62.5	65.0
26-Jan-22	22:00:00	26-Jan-2222:00	69.8	32.0	80.0	76.5	77.0	72.0	74.0	64.0	37.0	63.0	65.3
26-Jan-22	22:30:00	26-Jan-2222:30	69.8	31.9	80.0	76.7	77.0	72.0	74.1	64.0	37.1	63.5	66.0
26-Jan-22	23:00:00	26-Jan-2223:00	69.8	32.9	80.0	77.3	77.2	72.4	75.0	64.0	38.0	64.0	66.0
26-Jan-22	23:30:00	26-Jan-2223:30	69.8	33.7	80.0	77.0	77.3	73.0	75.0	64.0	38.0	64.0	66.0

7 March 2022

ADDENDUM

From: Naval Facilities Engineering Systems Command Representative, EWG Team
To: Interagency Drinking Water System Team

Subj: RECORDS OF COMPLETED RESIDENTIAL FLUSHING FOR 2 BAKER STREET
AND 127 6TH STREET IN ZONE D2

Ref: (a) Single Family Home Flushing Plan Checklist and Standard Operating Procedures,
December 2021

Encl: (1) Residential Flushing Checklists Zone D2
(2) Field Log of Residential Flushing Zone D2

1. This memo documents the completion of residential flushing for 2 Baker Street and 127 6th Street in Zone D2. The completed records of residential flushing are shown in Enclosures (1) and (2). Enclosure (1) shows all flushing steps marked complete and digital signatures for these two residences. "General Notes" are outdated on these flushing checklists. Highlighted text in Enclosure (2) shows start times, end times, and field signatures further documenting that flushing was complete for these two residences.

2. Upon initial flushing attempts, these two residences had access or maintenance issues that needed to be addressed before flushing completion. These issues were addressed and flushing was complete on 11 Jan 2022.

3. I certify under penalty of law that I have personally examined and I am familiar with the information submitted, and I believe the submitted information is true, accurate, and complete.

Very respectfully,

HULSE.DANIEL.T
HOMAS.1512305
322
D. T. HULSE
LT, CEC, USN

Digitally signed by
HULSE.DANIEL.THOMAS.151
2305322
Date: 2022.03.07 12:19:31
-10'00'

**FLUSHING CHECKLIST: SINGLE-FAMILY HOME**

ZONE: Flushing Zone D2

NEIGHBORHOOD: _____

ADDRESS: 2 Baker Street (D2-BAKE0002)

This checklist is to be used by Navy and/or Army personnel to include Government Contractors for flushing homes that may have water contaminated with petroleum chemicals. Homes shall be flushed only **AFTER** the water distribution system has been flushed **AND** the Interagency Drinking Water System Team (IDWST) has authorized this Flushing Zone to advance to Step 3 (Household Flushing) as detailed in the December 2021 Sampling and Analysis Plan (SAP). This signed checklist will be provided to the PPV partner for addition to the home maintenance record and maintained for the IDWST's administrative record of this project.

FLUSHING CHECKLIST COMPLETION STATUS

- ☒ STEP 1: HOME ENTRY PROCEDURES (COVID-19 AND PETS)
- ☒ STEP 2: PREPARE FOR HOME FLUSHING
- ☒ STEP 3: PERFORM SERVICE LINE AND COLD WATER SYSTEM FLUSH
- ☒ STEP 4: DRAIN WATER HEATER, EXPANSION TANK
- ☒ STEP 5: PERFORM HOT WATER SYSTEM FLUSH
- ☒ STEP 6: PERFORM SPIGOT FLUSH
- ☒ STEP 7: ADDRESS MAJOR APPLIANCES
- ☒ STEP 8: CLEAN UP

☐ FUEL ODOR PRESENT DURING OR AFTER FLUSHING?

Notes:

☒ Residents are [REDACTED]

☐ UNABLE TO GAIN SAFE ACCESS TO THIS ADDRESS

- ☐ Unsecure Pet
- ☐ Unsupervised Child
- ☐ Resident denied entry
- ☐ Locked Door (no key available)
- ☐ Maintenance Issues
- ☐ Other:

General Notes:

resident performed inside steps

Confirmation of Flushing for Single-Family Home

jenkins
Name of Home Flusher

392 IS
Organization

Digitally Signed by jenkins on 1/11/2022 12:21:17 PM

**FLUSHING CHECKLIST: SINGLE-FAMILY HOME**

ZONE: Flushing Zone D2

NEIGHBORHOOD: _____

ADDRESS: 127 6th S (D2-6TH0127)

This checklist is to be used by Navy and/or Army personnel to include Government Contractors for flushing homes that may have water contaminated with petroleum chemicals. Homes shall be flushed only **AFTER** the water distribution system has been flushed **AND** the Interagency Drinking Water System Team (IDWST) has authorized this Flushing Zone to advance to Step 3 (Household Flushing) as detailed in the December 2021 Sampling and Analysis Plan (SAP). This signed checklist will be provided to the PPV partner for addition to the home maintenance record and maintained for the IDWST's administrative record of this project.

FLUSHING CHECKLIST COMPLETION STATUS

- ☒ STEP 1: HOME ENTRY PROCEDURES (COVID-19 AND PETS)
- ☒ STEP 2: PREPARE FOR HOME FLUSHING
- ☒ STEP 3: PERFORM SERVICE LINE AND COLD WATER SYSTEM FLUSH
- ☒ STEP 4: DRAIN WATER HEATER, EXPANSION TANK
- ☒ STEP 5: PERFORM HOT WATER SYSTEM FLUSH
- ☒ STEP 6: PERFORM SPIGOT FLUSH
- ☒ STEP 7: ADDRESS MAJOR APPLIANCES
- ☒ STEP 8: CLEAN UP

☐ FUEL ODOR PRESENT DURING OR AFTER FLUSHING?

Notes:

- ☐ Residents are [REDACTED]
- ☐ UNABLE TO GAIN SAFE ACCESS TO THIS ADDRESS
- ☐ Unsecure Pet
 - ☐ Unsupervised Child
 - ☐ Resident denied entry
 - ☐ Locked Door (no key available)
 - ☐ Maintenance Issues
 - ☐ Other:

General Notes:

STEP 5: unable to complete flush due to maintenance issue. technician was notified to will troubleshoot and resolve issue

Confirmation of Flushing for Single-Family Home

HM3 Concepcion
Name of Home Flusher

CBMU 303
Organization

Digitally Signed by HM3 Concepcion on 1/11/2022 12:01:22 PM

Zone	Neighborhood	Address	Group	Team Lead	Flusher	Flushing Date	Start Time	End Time	Sick	Other	Notes
D2	Officer Field Area	(2) Baker St, Unit 0002BAKE	M		Perkins	11 JAN 10:00	12:00		Y	tablet c/w	
D2	Officer Field Area	(4) Baker St, Unit 0004BAKE	M		Green	11 JAN 09:00	11:00			✓	
D2	Officer Field Area	101 Beard Ave, Unit 0101BEAR	M								
D2	Officer Field Area	103 Beard Ave, Unit 0103BEAR	M								
D2	Officer Field Area	105 Beard Ave, Unit 0105BEAR	M								
D2	Officer Field Area	107 Beard Ave, Unit 0107BEAR	M								
D2	Officer Field Area	109 Beard Ave, Unit 0109BEAR	M								
D2	Officer Field Area	111 Beard Ave, Unit 0111BEAR	M								
D2	Officer Field Area	113 Beard Ave, Unit 0113BEAR	M								
D2	Officer Field Area	115 Beard Ave, Unit 0115BEAR	M								
D2	Officer Field Area	201 Beard Ave, Unit 0201BEAR	M								
D2	Officer Field Area	203 Beard Ave, Unit 0203BEAR	M								
D2	Officer Field Area	205 Beard Ave, Unit 0205BEAR	M								
D2	Officer Field Area	207 Beard Ave, Unit 0207BEAR	M								
D2	Officer Field Area	209 Beard Ave, Unit 0209BEAR	M								
D2	Officer Field Area	211 Beard Ave, Unit 0211BEAR	M								
D2	Officer Field Area	213 Beard Ave, Unit 0213BEAR	M								
D2	Officer Field Area	302 Beedle St, Unit 0302BEED	M								
D2	Officer Field Area	304 Beedle St, Unit 0304BEED	M								
D2	Officer Field Area	306 Beedle St, Unit 0306BEED	M								
D2	Officer Field Area	203 Gartlett St, Unit 0203CATL	M		Baldwin	11 JAN 14:00	15:10			tablet c/w	
D2	Officer Field Area	101 Julian Ave, Unit 0101JULI	M		Hartley	11 JAN 08:00	10:00			tablet c/w	
D2	Officer Field Area	102 Julian Ave, Unit 0102JULI	M								
D2	Officer Field Area	104 Julian Ave, Unit 0104JULI	M								
D2	Officer Field Area	105 Julian Ave, Unit 0105JULI	M		Hartley	11 JAN 11:00	13:30			tablet c/w	
D2	Officer Field Area	106 Julian Ave, Unit 0106JULI	M								
D2	Officer Field Area	107 Julian Ave, Unit 0107JULI	M		Kalter	11 JAN 11:30	14:00			tablet c/w	

Enclosure (2)

21

Zone	Neighborhood	Address	Group	Team Lead	Flusher	Flushing Date	Start Time	End Time	Sick	Other	Notes
D2	Officer Field Area	117 6th St, Unit 01176TH	I		Jim/Agarwal		0955	1151			
D2	Officer Field Area	121 6th St, Unit 01216TH	I		Renu/DOL		1200	1400			
D2	Officer Field Area	123 6th St, Unit 01236TH	I				1100	1300			
D2	Officer Field Area	125 6th St, Unit 01256TH	I		↓		0900	1100			
D2	Officer Field Area	127 6th St, Unit 01276TH	I		↓		0800	1000			
D2	Officer Field Area	406 Signer Blvd, Unit 0406SIGN	I				1600	1810			
D2	Officer Field Area	408 Signer Blvd, Unit 0408SIGN	I				1445	1657			
D2	Officer Field Area	502 Signer Blvd, Unit 502ASIGN	I		LE/MACHOR		0853	1021			
D2	Officer Field Area	502 Signer Blvd, Unit 502BSIGN	I				0853	1019			
D2	Officer Field Area	502 Signer Blvd, Unit 502CSIGN	I		↓		0853	1020			
D2	Officer Field Area	502 Signer Blvd, Unit 502ESIGN	I		↓		0853	1024			
D2	Officer Field Area	502 Signer Blvd, Unit 502FSIGN	I		↑		0853	1025			
D2	Officer Field Area	502 Signer Blvd, Unit 502HSIGN	I		↑		0853	1029			
D2	Officer Field Area	502 Signer Blvd, Unit 502ISIGN	I		↑		0853	1027			
D2	Officer Field Area	502 Signer Blvd, Unit 502KSIGN	I		SCAR/SLAY		0817	1043			
D2	Officer Field Area	504 Signer Blvd, Unit 504ASIGN	I		Jim/BREUNDT		0950	1123			
D2	Officer Field Area	504 Signer Blvd, Unit 504BSIGN	I		↓		0956	1122			
D2	Officer Field Area	504 Signer Blvd, Unit 504CSIGN	I		↓		0955	1121			
D2	Officer Field Area	504 Signer Blvd, Unit 504ESIGN	I		↓		0954	1120			
D2	Officer Field Area	504 Signer Blvd, Unit 504FSIGN	I		↑		0941	1120			
D2	Officer Field Area	504 Signer Blvd, Unit 504HSIGN	I		↑		0915	1119			
D2	Officer Field Area	504 Signer Blvd, Unit 504ISIGN	I		↑		0914	1119			
D2	Officer Field Area	504 Signer Blvd, Unit 504KSIGN	I		MITCHELL/VIRIDIO		0910	1119			
D2	Officer Field Area	405 Worthington Ave, Unit 0405WORT	I		VIRIDIO/MITCHELL		1511	1626			
D2	Officer Field Area	407 Worthington Ave, Unit 0407WORT	I		"		1459	1615			
D2	Officer Field Area	501 Worthington Ave, Unit 0501WORT	I		CASHLO/DOL		1400	1532			
D2	Officer Field Area	503 Worthington Ave, Unit 0503WORT	I		"		1500	1600			

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Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-10TH0206		D2-10TH0207		D2-11TH0201		D2-11TH0205		D2-11TH0210		D2-12TH212A		D2-13TH0206	
Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence	
Residence:		206 10th Street		207 10th Street		201 11th Street		205 11th Street		210 11th Street		212 12th Street		206 13th Street	
Field Sample ID:		220115-D2-JT01		220114-D2-FT02		220115-D2-JT02		220115-D2-HT06		220115-D2-IT01		220111-D2-ET03		220112-D2-ET01	
Sample Date:		2022-01-15		2022-01-14		2022-01-15		2022-01-15		2022-01-15		2022-01-11		2022-01-12	
Sample Type:		N		N		N		N		N		N		N	

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH										Environmental Protection Agency Maximum Contaminant Levels				SDG: 810122551																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			Environmental Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:	DA40929	SDG:	5801093281_Rev	SDG:	DA40953-DA40953R	SDG:	DA40953-DA40953R	SDG:	DA40816A_r1	SDG:
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	Agency Levels													
Petroleum Hydrocarbons (as Diesel)	200		400			None	None		190 UJ		88.0 U		190 UJ		190 UJ		190 U	5801094381
Petroleum Hydrocarbons (as Gasoline)	200		300			None	None		40.0 UJ		31.0 U		40.0 UJ		40.0 UJ		40.0 U	23.0 U
Petroleum Hydrocarbons (as Motor Oil)	200		500			None	None		190 U		180 U		190 U		190 U		100 U	44.0 U
Total Petroleum Hydrocarbons	211								--		--		--		--		--	--

HG (µg/L)	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		DOH Safe Drinking Water Branch (SDWB)		DOH Safe Drinking Water Branch (SDWB)		DOH Safe Drinking Water Branch (SDWB)		DOH Safe Drinking Water Branch (SDWB)		DOH Safe Drinking Water Branch (SDWB)	
	Incident Specific Parameters	Groundwater Action Levels	Action Levels	Table D-1A	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels
Mercury	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025

METAL (µg/L)	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40929	SDG: DA40914	SDG: DA40953-DA40953R	SDG: DA40953-DA40953R	SDG: DA40816A_r1	SDG: 810122551
	Incident Specific Parameters	Environmental Action Levels	Regulatory Constituents	Agency								
Antimony	6	6	6	6	6	6	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.0570 U
Arsenic	10	10	10	10	10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.890 U
Barium	220	220	2000	2000	2000	2000	1.90 J	2.10	2.10	2.20	2.40	1.80 J
Beryllium	0.66	0.66	4	4	4	4	0.150 U	0.150 U	0.150 U	0.150 U	0.100 U	0.0830 U
Cadmium	3	3	5	5	5	5	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.100 U	0.140 U
Chromium	11	11	100	100	100	100	1.20 J	1.90 J	1.90 J	2.00	2.30 J	1.60
Copper	2.9	2.9	1300	1300	1300	1300	49.0	51.0	6.20	11.0	72.0	12.0
Lead	15	5.6	15	15	15	15	0.490 J	0.270 J	0.170 J	0.540	0.200 J	0.130 J
Selenium	5	5	50	50	50	50	0.300 U	0.300 U	0.420 J	0.370 J	0.300 U	1.60 U
Thallium	2	2	2	2	2	2	0.0500 U	0.0500 U	0.0850 J	0.0500 U	0.100 U	0.160 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-13TH0206		D2-13TH0210	D2-14TH0210	D2-15TH212A	D2-16TH0205	D2-17TH0211	D2-18TH0108	D2-18TH0116
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	206 13th Street		210 13th Street	210 14th Street	212A 15th Street	205 16th Street	211 17th Street	108 18th Street	116 18th Street
Field Sample ID:	220114-D2-FT01		220115-D2-IT02	220117-D2-HT04	220111-D2-BT06	220111-D2-BT10	220111-D2-FT04	220113-D2-CT03	220113-D2-GT05
Sample Date:	2022-01-14		2022-01-15	2022-01-17	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13
Sample Type:	N		N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	C22A025 rev1	SDG:	C22A034	SDG:	DA40816A_r1	SDG:	DA40865	SDG:	810119061	SDG:	2A14039	SDG:	2A14032
			None	Environmental	None	None														
Total Organic Carbon	2							1.67		2.54		0.200 U		0.200 U		0.383 J		0.190 U		0.190 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	5801093281_Rev	SDG:	DA40953-DA40953R	SDG:	5801094311	SDG:	DA40816A_r1	SDG:	DA40865	SDG:	5801093281_Rev	SDG:	5801093281_Rev
			400	Environmental	None	None														
Petroleum Hydrocarbons (as Diesel)	200							190 UJ				93.0 U		190 U		40.0 UJ		91.0 U		92.0 U
Petroleum Hydrocarbons (as Gasoline)	200							40.0 UJ				31.0 U		40.0 U				31.0 U		31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200							190 U				190 U		100 U		100 U		180 U		180 U
Total Petroleum Hydrocarbons	211							--				--		--		--		--		--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	DA40914	SDG:	DA40953-DA40953R	SDG:	810124441	SDG:	DA40816A_r1	SDG:	DA40865	SDG:	810122601	SDG:	DA40914
			0.025	Environmental	2	2														
Mercury	0.025							0.0500 U		0.0250 U		0.0560 U		0.100 U		0.0500 U		0.0560 U		0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	DA40914	SDG:	DA40953-DA40953R	SDG:	810124441	SDG:	DA40816A_r1	SDG:	DA40865	SDG:	810122601	SDG:	DA40914
			6	Environmental	6	6														
Antimony	6							0.100 U		0.100 U		0.0570 U		0.100 U		0.100 U		0.0570 U		0.100 U
Arsenic	10							0.500 U		0.500 U		0.890 U		0.600 J		0.700 J		0.890 U		0.500 U
Barium	220							2.00		2.30		2.00		2.00		1.90 J		1.80 J		1.90 J
Beryllium	0.66							0.150 U		0.150 U		0.0830 U		0.100 U		0.150 U		0.0830 U		0.150 U
Cadmium	3							0.0500 U		0.0500 U		0.140 U		0.100 U		0.0500 U		0.140 U		0.0500 U
Chromium	11							1.90 J		1.80 J		1.80		2.30 J		1.80 J		1.70		2.00
Copper	2.9							17.0		15.0		11.0		19.0		15.0		7.40		65.0
Lead	15							0.130 U		0.280 J		0.180 J		0.100 U		0.130 U		0.190 J		0.130 U
Selenium	5							0.300 U		0.360 J		1.60 U		0.300 U		0.300 U		1.60 U		0.300 U
Thallium	2							0.0500 U		0.0500 U		0.160 U		0.100 U		0.0500 U		0.160 U		0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-18TH0116	D2-18TH0121	D2-18TH0129	D2-18TH0129	D2-18TH0139	D2-19TH0018	D2-19TH0101			
Residence:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
	116 18th Street	121 18th Street	129 18th Street	129 18th Street	139 18th Street	18 19th Street	101 19th Street			
								109 19th Street		
Field Sample ID:	220113-D2-GT06	220113-D2-CT01	220112-D2-JT08	220112-D2-JT09	220117-D2-AT05	220111-D2-GT07	220113-D2-ET01			
Sample Date:	2022-01-13	2022-01-13	2022-01-12	2022-01-12	2022-01-17	2022-01-11	2022-01-13			
Sample Type:	FD	N	FD	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection			
			Environmental Action Levels	Table D-1A			SDG:	SDG:	SDG:	SDG:
2		None			None	None	2A14032	DA40902	DA40902	2A14030
Total Organic Carbon							0.190 U	0.200 U	0.376 J	0.190 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection			
			Environmental Action Levels	Table D-1A			SDG:	SDG:	SDG:	SDG:
200		400			None	None	5801093281_Rev	DA40902	5801093801	5801093281_Rev
Petroleum Hydrocarbons (as Diesel)							94.0 U	190 UJ	93.0 U	91.0 U
200		300			None	None	31.0 U	40.0 UJ	100 UJ	31.0 U
Petroleum Hydrocarbons (as Gasoline)										
200		500			None	None	190 U	100 UJ	180 U	180 U
Petroleum Hydrocarbons (as Motor Oil)										
Total Petroleum Hydrocarbons							--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection			
			Environmental Action Levels	Table D-1A			SDG:	SDG:	SDG:	SDG:
0.025		0.025			2	2	DA40914	DA40902	810122601	810122601
Mercury							0.0500 U	0.0500 U	0.0560 U	0.0930 J

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection			
			Environmental Action Levels	Table D-1A			SDG:	SDG:	SDG:	SDG:
6		6			6	6	0.100 U	0.100 U	0.0570 U	0.100 U
Antimony										
10		10			10	10	0.500 U	0.840 J	0.890 U	0.890 U
Arsenic										
220		220			2000	2000	1.90 J	1.90 J	2.00	1.80 J
Barium										
0.66		0.66			4	4	0.150 U	0.150 U	0.0830 U	0.0830 U
Beryllium										
3		3			5	5	0.0500 U	0.0500 U	0.140 U	0.140 U
Cadmium										
11		11			100	100	1.80 J	1.80 J	1.70	1.80 J
Chromium										
2.9		2.9			1300	1300	62.0	50.0	22.0	71.0
Copper										
15		5.6			15	15	0.130 U	0.130 U	0.0880 U	0.290 J
Lead										
5		5			50	50	0.300 U	0.300 U	1.60 U	1.60 U
Selenium										
2		2			2	2	0.0500 U	0.0500 U	0.160 U	0.160 U
Thallium										

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-19TH0111	D2-19TH0111	D2-19TH0140	D2-19TH0140	D2-19TH0140	D2-19TH0192	D2-19TH0203	D2-19TH0204	D2-19TH0205	
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	111 19th Street	111 19th Street	140 19th Street	140 19th Street	140 19th Street	192 19th Street	203 19th Street	204 19th Street	205 19th Street	
Field Sample ID:	20220114-D2-IT05	20114-D2-IT04	220112-D2-AT04	220112-D2-AT06	220112-D2-JT01	220112-D2-GT04	220112-D2-IT01	220117-D2-AT06		
Sample Date:	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-12	2022-01-12	2022-01-12	2022-01-17		
Sample Type:	N	N	N	FD	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
			Environmental Action Levels	Environmental Protection Agency			SDG: C22A020 rev1-Res	SDG: 810122551			
2		None	None	None	None	None	SDG: C22A020 rev1-Res	SDG: 810122551	SDG: DA40865	SDG: C22A034	
Total Organic Carbon		2	None	None	None	None	0.200 UJ	0.200 UJ	0.332 J	0.200 U	0.200 U

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG			
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	Levels	SDG: C22A020 rev1-Res	SDG: 5801093321_DW	SDG: 5801092941	SDG: DA40865	SDG: 5801093801	
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	--	87.0 U	92.0 U	190 UJ	190 UJ	94.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	--	100 U	31.0 U	40.0 UJ	40.0 UJ	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	--	170 U	180 U	100 UJ	100 UJ	190 U
Total Petroleum Hydrocarbons	211		--	--	39	--	--	--	--	--	--

HG (µg/L)	DOH		Environmental Protection Agency Maximum Contaminant Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels	
	Incident Specific Parameters	Action Levels	Groundwater Action Levels	Table D-1A	Action Levels	Groundwater Action Levels	Table D-1A	Action Levels	Groundwater Action Levels	Table D-1A	Action Levels	Groundwater Action Levels
0.025	0.025	2	--	0.0250 UJ	0.0560 U	0.0560 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0560 U	
Mercury												

METAL (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency					
		Environmental Action Levels	Table D-1A Groundwater Action Levels			SDG: C22A020 rev1-Res	SDG: DA40929	SDG: 810122551	SDG: DA40865	SDG: DA40865	SDG: 810124441
Antimony	6	6	6	--	6	0.100 U	0.0570 U	0.0570 U	0.100 U	0.0570 U	0.0570 U
Arsenic	10	10	10	--	10	0.500 U	0.890 U	0.890 U	1.50 J	0.700 J	0.890 U
Barium	220	220	2000	--	2000	1.90 J	1.80 J	1.70 J	2.00	2.20	2.10
Beryllium	0.66	0.66	4	--	4	0.150 U	0.0830 U	0.0830 U	0.150 U	0.150 U	0.0830 U
Cadmium	3	3	5	--	5	0.0500 U	0.140 U	0.140 U	0.0500 U	0.0500 U	0.140 U
Chromium	11	11	100	--	100	1.10 J	1.70	1.60	1.80 J	1.80 J	1.80
Copper	2.9	2.9	1300	--	1300	95.0	16.0	16.0	32.0	74.0	39.0
Lead	15	5.6	15	--	15	0.130 U	0.0880 U	1.60	0.400 J	0.250 J	0.230 J
Selenium	5	5	50	--	50	0.300 U	1.60 U	1.60 U	0.300 U	0.300 U	1.60 U
Thallium	2	2	2	--	2	0.0500 U	0.160 U	0.160 U	0.0500 U	0.0500 U	0.160 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-19TH1803	D2-19TH1809	D2-1ST0122	D2-1ST0122	D2-1ST0202	D2-20TH0117	D2-20TH0117
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1803 19th Way	1809 19th Way	122 1st Street	122 1st Street	202 1st Street	117 20th Street	117 20th Street
Field Sample ID:	220111-D2-JT06	220111-D2-JT01	22020114-D2-JT01	220114-D2-JT01	220117-D2-LT03	220113-D2-ET05	220113-D2-ET08
Sample Date:	2022-01-11	2022-01-11	2022-01-14	2022-01-14	2022-01-17	2022-01-13	2022-01-13
Sample Type:	N	N	N	N	N	N	FD

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810119061	SDG: 810119061	SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: C22A034	SDG: C22A034	SDG: 2A14037	SDG: 2A14037
			Environmental Action Levels Table D-1A	Environmental Protection Agency										
Total Organic Carbon	2	None	None	None	None	None	0.482 J	0.264 J	0.200 UJ	--	1.82	2.72	0.190 U	0.190 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	5801092541	SDG:	5801092041	SDG:	C22A020 rev1-Res	SDG:	5801094311	SDG:	5801093281_Rev	SDG:	5801093281_Rev
			Environmental Action Levels Table D-1A	Environmental Action Levels														
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	SDG:	89.0 U	--	93.0 U	--	90.0 U	87.0 U	91.0 U	93.0 U	5801093281_Rev	5801093281_Rev	91.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	SDG:	31.0 U	--	31.0 U	--	31.0 U	31.0 U	31.0 U	31.0 U	31.0 U	31.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	SDG:	180 U	--	190 U	--	180 U	170 U	180 U	190 U	180 U	180 U	180 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	SDG:	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	810119061	SDG:	810119061	SDG:	C22A020 rev1-Res	SDG:	DA40914	SDG:	2A18014	SDG:	DA40914
			Environmental Action Levels Table D-1A	Environmental Action Levels														
Mercury	0.025	0.025	0.0560 U	2	2	2	SDG:	0.0560 U	0.0560 U	--	--	0.0500 U	0.0170 U	0.0170 U	0.0500 U	0.0170 U	0.0500 U	0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	810119061	SDG:	C22A020 rev1-Res	SDG:	DA40914	SDG:	2A18014	SDG:	2A18014	SDG:	DA40914
			Environmental Action Levels Table D-1A	Environmental Action Levels														
Antimony	6	6	0.0570 U	6	6	6	SDG:	0.0570 U	0.0570 U	--	--	0.100 U	0.0889 U	0.0889 U	0.100 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10	0.890 U	10	10	10	SDG:	0.890 U	0.890 U	--	--	0.500 U	0.313 J	0.242 J	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	2.40	2000	2000	2000	SDG:	1.80 J	1.80 J	--	--	1.90 J	1.99	1.97	1.90 J	1.80 J	1.80 J	1.80 J
Beryllium	0.66	0.66	0.0830 U	4	4	4	SDG:	0.0830 U	0.0830 U	--	--	0.150 U	0.0624 U	0.0624 U	0.150 U	0.150 U	0.150 U	0.150 U
Cadmium	3	3	0.140 U	5	5	5	SDG:	0.140 U	0.140 U	--	--	0.0500 U	0.0416 U	0.0416 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Chromium	11	11	1.70	100	100	100	SDG:	1.60	1.60	--	--	1.60 J	1.43	1.36	1.90 J	1.70 J	1.70 J	1.70 J
Copper	2.9	2.9	31.0	1300	1300	1300	SDG:	64.0	99.0	--	--	99.0	32.9	19.0	100	94.0	94.0	94.0
Lead	15	5.6	0.0880 U	15	15	15	SDG:	0.0880 U	0.0880 U	--	--	0.510	0.0827 U	0.0827 U	0.150 J	0.130 U	0.130 U	0.130 U
Selenium	5	5	1.60 U	50	50	50	SDG:	1.70 J	1.70 J	--	--	0.300 U	1.38	1.14	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	0.160 U	2	2	2	SDG:	0.160 U	0.160 U	--	--	0.0500 U	0.0210 U	0.0210 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-20TH0124	D2-20TH0145	D2-20TH0155	D2-21ST0101	D2-21ST0123	D2-21ST0132	D2-2ND0112	D2-2ND0208
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	124 20th Street	145 20th Street	155 20th Street	101 21st Street	123 21st Street	132 21st Street	112 2nd Street	208 2nd Street
Field Sample ID:	220112-D2-FT11	220112-D2-AT08	220112-D2-FT05	220111-D2-GT03	220117-D2-IT03	220111-D2-AT14	220115-D2-BT06	220116-D2-AT08
Sample Date:	2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-17	2022-01-11	2022-01-15	2022-01-16
Sample Type:	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels						
Total Organic Carbon	2	None	None	None	None	None	0.200 U	0.335 J	0.200 U	1.65

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels						
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	190 UJ	92.0 U	190 UJ	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	40.0 UJ	35.0 J	40.0 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	100 UJ	180 U	190 UJ	190 U
Total Petroleum Hydrocarbons	211		--	35	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels						
Mercury	0.025	0.025	0.0500 U	0.025	2	2	0.0500 U	0.100 U	0.0560 U	0.0250 UJ

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels						
Antimony	6	6	0.100 U	0.0570 U	6	6	0.100 U	0.0570 U	0.100 U	0.100 U
Arsenic	10	10	0.500 U	0.890 U	10	10	0.500 U	0.890 U	1.00 J	0.500 U
Barium	220	220	1.90 J	1.80 J	2000	2000	1.90 J	1.90 J	2.00	1.80 J
Beryllium	0.66	0.66	0.150 U	0.0830 U	4	4	0.150 U	0.0830 U	0.150 U	0.150 U
Cadmium	3	3	0.0500 U	0.140 U	5	5	0.0500 U	0.140 U	0.0500 UJ	0.0500 UJ
Chromium	11	11	1.70 J	1.60	100	100	1.70 J	1.70	1.80 J	1.10 J
Copper	2.9	2.9	1300	54.0	1300	1300	1.90 J	76.0	88.0	72.0
Lead	15	5.6	15	0.130 U	15	15	0.130 U	0.630	0.150 J	0.230 J
Selenium	5	5	50	1.60 U	50	50	0.300 U	1.60 U	0.300 U	0.300 U
Thallium	2	2	0.0500 U	0.160 U	2	2	0.0500 U	0.160 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-3RD0111	D2-3RD0111	D2-3RD0212	D2-4TH0118	D2-4TH0127	D2-4TH0127	D2-4TH0127	D2-5TH0101		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	111 3rd Street	111 3rd Street	212 3rd Street	118 4th Street	118 4th Street	127 4th Street	127 4th Street	101 5th Street		
Field Sample ID:	220113-D2-FT05	220115-D2-ET01	220115-D2-IT03	22020114-D2-JT05	220114-D2-JT05	220113-D2-FT04	220115-D2-ET02	220116-D2-FT03		
Sample Date:	2022-01-13	2022-01-15	2022-01-15	2022-01-14	2022-01-14	2022-01-13	2022-01-15	2022-01-16		
Sample Type:	N	N	N	N	N	N	N	N		

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection		SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels			DOH Safe Drinking Water Regulatory Constituents	DOH Safe Drinking Water Agency Maximum Contaminant Levels				
2		None			None				SDG: DA40914	SDG: C22A026_Rev2a	SDG: C22A025 rev1	SDG: C22A028 rev1
Total Organic Carbon												
									0.200 U	2.81 J	0.200 U	2.12

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection		SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels			DOH Safe Drinking Water Regulatory Constituents	DOH Safe Drinking Water Agency Maximum Contaminant Levels				
200		400			None				SDG: 5801093281_Rev	SDG: DA40955	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res
Petroleum Hydrocarbons (as Diesel)									87.0 U	190 U	190 UJ	86.0 U
200		300			None				31.0 U	40.0 U	40.0 UJ	31.0 UJ
Petroleum Hydrocarbons (as Gasoline)										--	--	40.0 U
200		500			None				170 U	190 U	190 UJ	170 UJ
Petroleum Hydrocarbons (as Motor Oil)										--	--	190 U
Total Petroleum Hydrocarbons												
									--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection		SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels			DOH Safe Drinking Water Regulatory Constituents	DOH Safe Drinking Water Agency Maximum Contaminant Levels				
0.025		0.025			2				SDG: DA40914	SDG: DA40955	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res
Mercury									0.0500 U	0.0250 U	0.0250 U	0.0250 UJ
									0.0500 U	0.0250 U	0.0250 U	0.0250 UJ

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	Environmental Protection		SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Action Levels			DOH Safe Drinking Water Regulatory Constituents	DOH Safe Drinking Water Agency Maximum Contaminant Levels				
6		6			6				SDG: DA40914	SDG: DA40955	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res
Antimony									0.100 U	0.100 U	0.100 U	0.100 U
10		10			10				0.500 U	0.500 U	0.500 U	0.500 U
Arsenic										--	--	0.500 U
220		220			2000				2.10	2.00	2.30	1.90 J
Barium										--	--	1.90 J
0.66		0.66			4				0.150 U	0.150 U	0.150 U	0.150 U
Beryllium										--	--	0.150 U
3		3			5				0.0500 U	0.0500 U	0.0500 U	0.0500 UJ
Cadmium										--	--	0.0500 UJ
11		11			100				1.80 J	1.90 J	1.90 J	1.20 J
2.9		2.9			1300				320	360	17.0	190
Copper										--	--	220
15		5.6			15				0.470 J	1.20	0.320 J	0.410 J
Lead										--	--	0.700
5		5			50				0.300 U	0.300 U	0.300 U	0.300 U
Selenium										--	--	0.300 U
2		2			2				0.0500 U	0.0500 U	0.0500 U	0.0500 U
Thallium										--	--	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-5TH0113		D2-5TH0113	D2-5TH0123	D2-5TH0206	D2-6TH0201	D2-6TH0203	D2-6TH0301	D2-AIMO0138
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	113 5th Street		113 5th Street	123 5th Street	206 5th Street	201 6th Street	203 6th Street	301 6th Street	138 Aimokulani Alley
Field Sample ID:	20220114-D2-IT03		220114-D2-IT03	220115-D2-HT01	220117-D2-LT01	220116-D2-AT03	220116-D2-AT04	220116-D2-AT09	220111-D2-AT08
Sample Date:	2022-01-14		2022-01-14	2022-01-15	2022-01-17	2022-01-16	2022-01-16	2022-01-16	2022-01-11
Sample Type:	N		N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	DA40923 D2 RES	SDG:	C22A025 rev1	SDG:	C22A034	SDG:	C22A028 rev1	SDG:	C22A028 rev1	SDG:	DA40865
			Environmental Action Levels	Environmental Protection Agency																
Total Organic Carbon	2	None	None	None	None	None	0.200 UJ	--	0.200 U	2.41	0.200 U	1.74	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	5801093281_Rev	SDG:	DA40929	SDG:	5801094311	SDG:	5801093551	SDG:	5801093551	SDG:	DA40865
			Environmental Action Levels	Environmental Protection Agency																
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	--	92.0 U	5801093281_Rev	5801093281_Rev	5801093281_Rev	190 UJ	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	190 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	--	31.0 U	5801093281_Rev	5801093281_Rev	5801093281_Rev	40.0 UJ	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	--	180 U	5801093281_Rev	5801093281_Rev	5801093281_Rev	190 U	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	5801093281_Rev	100 UJ
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	DA40914	SDG:	DA40929	SDG:	2A18014	SDG:	DA40953-DA40953R	SDG:	DA40986	SDG:	DA40865
			Environmental Action Levels	Environmental Protection Agency																
Mercury	0.025	0.025	6	2	2	2	--	0.0500 U	DA40914	DA40914	DA40914	0.0250 UJ	DA40914	0.0170 U	DA40914	0.0250 U	DA40914	0.0250 UJ	DA40914	0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	DA40914	SDG:	DA40929	SDG:	2A18014	SDG:	DA40953-DA40953R	SDG:	DA40986	SDG:	DA40865
			Environmental Action Levels	Environmental Protection Agency																
Antimony	6	6	6	6	6	6	--	0.100 U	DA40914	DA40914	DA40914	0.100 U	DA40914	0.0889 U	DA40914	0.100 U	DA40914	0.100 U	DA40914	0.100 U
Arsenic	10	10	10	10	10	10	--	0.500 U	DA40914	DA40914	DA40914	0.750 J	DA40914	0.243 J	DA40914	0.500 U	DA40914	0.500 U	DA40914	1.30 J
Barium	220	220	220	2000	2000	2000	--	1.90 J	DA40914	DA40914	DA40914	2.00	DA40914	1.88	DA40914	2.00	DA40914	1.80 J	DA40914	2.00
Beryllium	0.66	0.66	4	4	4	4	--	0.150 U	DA40914	DA40914	DA40914	0.150 U	DA40914	0.0624 U	DA40914	0.150 U	DA40914	0.150 U	DA40914	0.150 U
Cadmium	3	3	5	5	5	5	--	0.0500 U	DA40914	DA40914	DA40914	0.0500 U	DA40914	0.0416 U	DA40914	0.0500 U	DA40914	0.0500 UJ	DA40914	0.0500 U
Chromium	11	11	100	100	100	100	--	2.00	DA40914	DA40914	DA40914	1.00 J	DA40914	1.42	DA40914	1.90 J	DA40914	1.50 J	DA40914	2.00
Copper	2.9	2.9	1300	1300	1300	1300	--	68.0	DA40914	DA40914	DA40914	52.0	DA40914	4.34	DA40914	16.0	DA40914	4.60	DA40914	12.0
Lead	15	15	15	15	15	15	--	0.210 J	DA40914	DA40914	DA40914	0.490 J	DA40914	0.0829 J	DA40914	0.130 J	DA40914	0.130 U	DA40914	0.130 U
Selenium	5	5	50	50	50	50	--	0.300 U	DA40914	DA40914	DA40914	0.720	DA40914	1.14	DA40914	0.300 U	DA40914	0.340 J	DA40914	0.300 U
Thallium	2	2	2	2	2	2	--	0.0500 U	DA40914	DA40914	DA40914	0.0500 U	DA40914	0.0210 U	DA40914	0.0500 U	DA40914	0.0500 U	DA40914	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-AIMO0138	D2-AIMO0138	D2-APOL0124	D2-APOL0352	D2-APOL0358	D2-APOL0641	D2-BEAR0101	D2-BEAR0101
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		138 Aimokulani Alley	138 Aimokulani Alley	124 Apollo Avenue	352 Apollo Avenue	358 Apollo Avenue	641 Apollo Avenue	101 Beard Avenue	101 Beard Avenue
Field Sample ID:		220111-D2-AT10	220111-D2-AT12	220111-D2-AT04	220111-D2-IT03	220113-D2-ET09	220113-D2-GT01	220115-D2-BT01	220115-D2-BT02
Sample Date:		2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13	2022-01-15	2022-01-15
Sample Type:		FD	N	N	N	N	N	N	FD

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40865	SDG: DA40865	SDG: DA40816A_r1	SDG: 810121181	SDG: 810122601	SDG: 2A14032	SDG: C22A025 rev1	SDG: C22A025 rev1
			None	None	None	None	0.200 U	0.200 U	0.200 U	0.375 J	0.250 U	0.190 U	1.80	0.200 U
			Total Organic Carbon											

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40865		SDG: DA40816A_r1		SDG: 5801092541		SDG: 5801093281_Rev		SDG: DA40929	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	None	None	None	SDG: DA40865	SDG: DA40865	SDG: DA40816A_r1	SDG: 5801092541	SDG: 5801093281_Rev	SDG: DA40929	SDG: DA40929			
Petroleum Hydrocarbons (as Diesel)	200		400	None		None	190 U	190 U	190 U	94.0 U	89.0 U	95.0 U	190 U	190 U	190 U	190 U	
Petroleum Hydrocarbons (as Gasoline)	200		300	None		None	40.0 UJ	40.0 UJ	40.0 UJ	31.0 U	31.0 U	31.0 U	40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ	
Petroleum Hydrocarbons (as Motor Oil)	200		500	None		None	100 U	100 U	191 J	190 U	180 U	190 U	190 U	190 U	190 U	190 U	
Total Petroleum Hydrocarbons	211						--	--	191	--	--	--	--	--	--	--	

HG (µg/L)	Environmental Protection Agency Maximum Contaminant Levels													
	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels									
	Incident Specific Parameters	Groundwater Action Levels												
0.025	0.025	0.025	2	2	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0560 U	0.0500 U	0.0500 U	0.0500 U	0.0250 UJ	0.0250 UJ
Mercury														

METAL (µg/L)	Incident Specific Parameters	DOH		Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40865	SDG: DA40865	SDG: DA40816A_r1	SDG: 810121181	SDG: DA40914	SDG: DA40902	SDG: DA40929	SDG: DA40929
		Groundwater	Action Levels											
Antimony	6	6	6	6	6	6	0.100 U	0.100 U	0.100 U	0.0570 U	0.100 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10	10	10	10	10	0.950 J	0.740 J	0.660 J	0.890 U	0.500 U	0.630 J	0.500 U	0.500 U
Barium	220	220	2000	2000	2000	2000	2.10	2.00	2.00	1.90 J	2.00	2.00	2.00	1.90 J
Beryllium	0.66	0.66	4	4	4	4	0.150 U	0.150 U	0.150 U	0.0830 U	0.150 U	0.150 U	0.150 U	0.150 U
Cadmium	3	3	5	5	5	5	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Chromium	11	11	100	100	100	100	2.00	1.90 J	2.50 J	1.60	1.80 J	1.80 J	1.80 J	1.10 J
Copper	2.9	2.9	1300	1300	1300	1300	10.0	11.0	8.40	7.80	14.0	13.0	16.0	17.0
Lead	15	5.6	15	15	15	15	0.130 J	0.160 J	0.130 U	0.100 J	0.270 J	0.300 J	0.130 U	0.130 U
Selenium	5	5	50	50	50	50	0.300 U	0.300 U	0.300 U	1.60 U	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	2	2	2	2	0.0500 U	0.0500 U	0.0500 U	0.160 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-BEAR0211		D2-BEAR0702	D2-BEAR0702	D2-BEAR503A	D2-BLDG0017	D2-BLDG1102H
Location Type:	Residence		Residence	Residence	Residence	Non-Residence	Non-Residence
Residence:	211 Beard Avenue		702 Beard Avenue	702 Beard Avenue	503 Beard Avenue	Building 17,MOBDIVSALVU ONE OPS/HDQTRS, 1092 Fort Kam Rd	Building 1102H,HEADQUARTE RS MAJOR COMMAND, 25E St
Field Sample ID:	220115-D2-IT05		220117-D2-AT04	220118-D2-MT09	220114-D2-FT03	220116-D2-KT05	220117-D2-JT05
Sample Date:	2022-01-15		2022-01-17	2022-01-18	2022-01-14	2022-01-16	2022-01-17
Sample Type:	N		N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A025 rev1	SDG:	C22A038Rev2	SDG:	C22A020 rev1-Res	SDG:	DA40923 D2 RES	SDG:	DA41079	SDG:	C22A028 rev1	SDG:	DA41079	SDG:	C22A034
			Environmental Action Levels	Environmental Protection Agency																		
Total Organic Carbon	2	None	None	None	None	None	SDG:	0.200 U	1.63	0.200 U	SDG:	3.16 J	--	DA40923 D2 RES	SDG:	0.200 U	SDG:	0.200 U	SDG:	0.200 U	SDG:	1.75

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:	DA40953-DA40953R	SDG:	5801093801	SDG:	DA41079	SDG:	C22A020 rev1-Res	SDG:	5801093281_Rev	SDG:	5801093552	SDG:	DA41079	SDG:	5801094311
		Environmental Action Levels Table D-1A	Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels																		
Petroleum Hydrocarbons (as Diesel)	200		400		None		None		190 U		93.0 U		190 UJ		--		90.0 U		88.0 UJ		190 U		91.0 U
Petroleum Hydrocarbons (as Gasoline)	200		300		None		None		40.0 UJ		31.0 U		40.0 UJ		--		31.0 U		31.0 UJ		40.0 UJ		31.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200		500		None		None		190 U		190 U		190 U		--		180 U		180 UJ		190 U		180 U
Total Petroleum Hydrocarbons	211				--		--		--		--		--		--		--		--		--		--

HG (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40953-DA40953R	SDG: 810124441	SDG: DA41079	SDG: C22A020 rev1-Res	SDG: DA40914	SDG: DA40986	SDG: DA41079	SDG: 810124441		
		Action Levels	Groundwater	Action Levels	Regulatory Constituents									DOH Safe Drinking Water Branch (SDWB)	Agency Maximum Contaminant Levels
0.025		0.025	2	2	0.0250 U	0.0690 J	0.0250 U	--	0.0500 U	0.0250 UJ	0.0250 U	0.0560 U			
Mercury															

METAL (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40953-DA40953R	SDG: 810124441	SDG: DA41079	SDG: C22A020 rev1-Res	SDG: DA40914	SDG: DA40986	SDG: DA41079	SDG: 810124441
		Environmental Action Levels	Table D-1A Groundwater										
Antimony	6	6	6	6	6	0.100 U	0.0570 U	0.100 U	--	0.100 U	0.100 U	0.100 U	0.0570 U
Arsenic	10	10	10	10	10	0.500 U	0.890 U	0.500 U	--	0.500 U	0.500 U	0.500 U	0.890 U
Barium	220	220	2000	2000	2000	2.00	1.90 J	1.90 J	--	1.90 J	2.20	1.90 J	1.90 J
Beryllium	0.66	0.66	4	4	4	0.150 U	0.0830 U	0.150 U	--	0.150 U	0.150 U	0.150 U	0.0830 U
Cadmium	3	3	5	5	5	0.0500 U	0.140 U	0.0500 U	--	0.0500 U	0.0500 UJ	0.0500 U	0.140 U
Chromium	11	11	100	100	100	1.80 J	1.80	1.80 J	--	1.90 J	1.10 J	1.70 J	1.80
Copper	2.9	2.9	1300	1300	1300	12.0	31.0	29.0	--	18.0	79.0	110	97.0
Lead	15	5.6	15	15	15	0.130 U	0.210 J	0.250 J	--	0.330 J	0.130 J	0.130 U	0.200 J
Selenium	5	5	50	50	50	0.300 U	1.60 U	0.300 U	--	0.300 U	0.300 U	0.300 U	1.60 U
Thallium	2	2	2	2	2	0.0500 U	0.160 U	0.100 J	--	0.0500 U	0.0500 U	0.0500 U	0.160 U

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D2 Zone Residential DW Sampling
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Location ID:		D2-BLDG1120H	D2-BLDG1166H	D2-BLDG1200H	D2-BLDG1222H	D2-BLDG1235H	D2-BLDG2030H	D2-BLDG2050H
Location Type:		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:		Building 1120H,HICKAM MEMORIAL FITNESS CENTER, 1120 Vickers Ave	Building 1166H,NGIS - NAVY TDY	Building 1200H,BASE ENGINEER ADMINISTRATION, 75 H Street	Building 1204H,BASE ENGINEER ADMINISTRATION Ave	Building 1235H,EXCHANGE SALES STORE (BXTRA), 20 Hickam Ct	Building 2030H,ENGINE MAINT SHOP, HGR 15&17C, 300 Hangar Ave	Building 2050H,BASE OPERATIONS, 800 Hangar Ave
Field Sample ID:		220116-D2-HT03	220116-D2-JT02	220116-D2-JT01	220116-D2-JT04	220117-D2-JT01	220116-D2-KT01	220116-D2-KT02
Sample Date:		2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-17	2022-01-16	2022-01-16
Sample Type:		N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	
			Groundwater	Regulatory			C22A028 rev1	C22A028 rev1
Total Organic Carbon	2	None	None	None	None	None	0.200 U	0.200 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	
			Groundwater	Regulatory			C22A028 rev1	C22A034
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	86.0 U	86.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	100 UJ	100 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	170 U	170 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	
			Groundwater	Regulatory			DA40953-D40953R	DA40986
Mercury	0.025	0.025	0.025 U	0.025 U	0.025 U	0.025 U	0.0250 U	0.0250 UJ

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	
			Groundwater	Regulatory			DA40953-D40953R	DA40986
Antimony	6	6	0.100 U	0.100 U	0.100 U	0.0570 U	0.100 U	0.100 U
Arsenic	10	10	0.500 U	0.500 U	0.500 U	0.890 U	0.500 U	0.500 U
Barium	220	220	2.00	2.10	2.70	2.00	2.40	2.50
Beryllium	0.66	0.66	0.150 U	0.150 U	0.150 U	0.0830 U	0.150 U	0.150 U
Cadmium	3	3	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.0500 UJ	0.0500 UJ
Chromium	11	11	1.80 J	1.80 J	2.40	1.90 J	1.70 J	1.50 J
Copper	2.9	2.9	45.0	25.0	19.0	170	94.0	76.0
Lead	15	5.6	0.170 J	0.150 J	0.320 J	0.130 U	0.500	0.160 J
Selenium	5	5	0.300 U	0.300 U	0.300 U	1.60 U	0.300 U	0.300 U
Thallium	2	2	0.0500 U	0.0500 U	0.0500 U	0.160 U	0.0500 U	0.0500 U

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Location ID:		D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2073H	D2-BLDG2093H	D2-BLDG425H
Location Type:		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:		Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2073H,EXCHANGE SERVICE OUTLET, 2073 Hangar Ave	Building 2093H,STORE, COMMISSARY, 20 Hickam Ct	Building 425H,SWIMMERS BATH HOUSE
Field Sample ID:		220116-D2-HT06	220116-D2-HT07	220117-D2-JT04	220118-D2-IT06	220117-D2-JT06	220117-D2-JT02	220116-D2-HT04
Sample Date:		2022-01-16	2022-01-16	2022-01-17	2022-01-18	2022-01-17	2022-01-17	2022-01-16
Sample Type:		N	FD	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1
			Environmental Action Levels	Groundwater Action Levels	Regulatory Constituents	None	None	None			
Total Organic Carbon			None	None	None	None	None	None	0.200 U	0.200 U	0.200 U
									2.21		
									0.250 U	0.250 U	0.200 U
									SDG: 810126911	SDG: C22A034	SDG: C22A034
									SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:	5801093551	SDG:	5801093552	SDG:	5801094311	SDG:	5801094851	SDG:	5801094311	SDG:	5801093552
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	Agency Maximum Contaminant Levels														
Petroleum Hydrocarbons (as Diesel)	200		400		None		None		86.0 U		86.0 UJ		92.0 U		93.0 U		91.0 U		86.0 UJ
Petroleum Hydrocarbons (as Gasoline)	200		300				None		31.0 U		31.0 UJ		31.0 UJ		31.0 UJ		31.0 U		31.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200		500				None		170 U		170 UJ		180 U		190 U		180 U		170 UJ
Total Petroleum Hydrocarbons	211								--		--		--		--		--		--

HG (µg/L)	Incident Specific Parameters	0.025	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40986	SDG: 810124441	SDG: 810126911	SDG: 810124441	SDG: 810126911	SDG: 810124441	SDG: DA40986	0.0250 UJ	0.0560 U	0.0560 U	0.0250 UJ	
			Environmental Action Levels	Table D-1A	Regulatory Constituents	2	2	2												2
			0.025	0.025	0.025	0.025	0.025	0.025												0.025
Mercury																				

METAL (µg/L)	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG:		SDG:		SDG:		SDG:		SDG:	
	Incident Specific Parameters	Environmental Action Levels Table D-1A Groundwater Action Levels	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	Maximum Contaminant Levels	Regulatory Constituents	SDG: DA40986	SDG: 810124441	SDG: 810126911	SDG: 810124441	SDG: 810126911	SDG: 810124441	SDG: 810126911	SDG: 810124441	SDG: DA40986	
Antimony	6	6	6	6	6	6	6	6	0.100 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.100 U	
Arsenic	10	10	10	10	10	10	10	10	0.500 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.500 U	
Barium	220	220	2000	2000	2000	2000	2000	2000	2.40	2.00	2.40	2.00	2.40	2.00	2.40	2.00	1.90 J	
Beryllium	0.66	0.66	4	4	4	4	4	4	0.150 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.150 U	
Cadmium	3	3	5	5	5	5	5	5	0.0500 UJ	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.0500 UJ	
Chromium	11	11	100	100	100	100	100	100	1.10 J	1.80	1.70	1.80	1.70	1.80	1.70	1.80	1.30 J	
Copper	2.9	2.9	1300	1300	1300	1300	1300	1300	100	140	170	140	160	140	46.0	18.0	18.0	
Lead	15	5.6	15	15	15	15	15	15	0.130 U	1.10	0.120 J	0.140 J	0.0970 J	0.140 J	0.140 J	0.140 J	0.480 J	
Selenium	5	5	50	50	50	50	50	50	0.300 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	0.300 U	
Thallium	2	2	2	2	2	2	2	2	0.0500 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.0500 U	

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Location ID:										
Location Type:	D2-BLDG425H	D2-BLDG500H	D2-BLDG554H	D2-BLDG559H	D2-BLDG595H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	
Residence:	Non-Residence	Non-Residence	Medical Building	Medical Building	Non-Residence	School	School	School	School	
	Building 425H,SWIMMERS BATH HOUSE	Building 500H,RELIGIOUS WORSHIP FACILITY, 925 Scott Cir	Building 554H,OCCUPATIONA L HEALTH CLINIC - Signer Blvd	Building 559H,MEDICAL/DENT AL CLINIC - AIR FORCE, 755 Scott Circle	Building 595H,BASE LIBRARY, 990 Mills Blvd	Building 613H,HICKAM ELEM BLDG A	Building 613H,HICKAM ELEM BLDG A	Building 613H,HICKAM ELEM BLDG A	Building 613H,HICKAM ELEM BLDG A	
Field Sample ID:	220118-D2-MT10	220117-D2-JT03	220116-D2-JT06	220116-D2-JT05	220116-D2-HT01	22020114-D2-CT01	22020114-D2-CT04	22020114-D2-CT04	22020114-D2-FT04	
Sample Date:	2022-01-18	2022-01-17	2022-01-16	2022-01-16	2022-01-16	2022-01-14	2022-01-14	2022-01-14	2022-01-14	
Sample Type:	N	N	N	N	N	N	N	N	N	

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels				
			Environmental Action Levels	Environmental Action Levels			SDG: C22A038Rev2	SDG: C22A034	SDG: C22A028 rev1	SDG: C22A028 rev1
Total Organic Carbon	2	None	None	None	None	None	1.65	0.200 U	2.18	3.22

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels				
			Environmental Action Levels	Environmental Action Levels			SDG: DA41079	SDG: 5801094311	SDG: 5801093551	SDG: C22A020 rev1-Res
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	190 UJ	91.0 U	86.0 U	--
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	40.0 UJ	31.0 U	31.0 U	--
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	190 U	180 U	170 U	--
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels				
			Environmental Action Levels	Environmental Action Levels			SDG: DA41079	SDG: 810124441	SDG: DA40986	SDG: C22A020 rev1-Res
Mercury	0.025	0.025	6	0.025	2	2	0.0250 U	0.0560 U	0.0250 UJ	--

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels				
			Environmental Action Levels	Environmental Action Levels			SDG: DA41079	SDG: 810124441	SDG: DA40986	SDG: C22A020 rev1-Res
Antimony	6	6	6	0.100 U	6	6	0.100 U	0.0570 U	0.100 U	--
Arsenic	10	10	10	0.500 U	10	10	0.500 U	0.890 U	0.500 U	--
Barium	220	220	2000	2.30	2000	2000	2.30	2.00	0.500 U	--
Beryllium	0.66	0.66	4	0.150 U	4	4	0.150 U	0.0830 U	0.150 U	--
Cadmium	3	3	5	0.0500 U	5	5	0.0500 U	0.140 U	0.0500 UJ	--
Chromium	11	11	100	1.80 J	100	100	1.80 J	1.80	1.90 J	--
Copper	2.9	2.9	1300	46.0	1300	1300	46.0	100	210	--
Lead	15	5.6	15	0.520	15	15	0.520	1.30	0.130 U	--
Selenium	5	5	50	0.300 U	50	50	0.300 U	1.60 U	0.410 J	--
Thallium	2	2	2	0.0500 U	2	2	0.0500 U	0.160 U	0.0740 J	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:		D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG623H	D2-BLDG623H	D2-BLDG650H
Location Type:		School	School	School	School	School	School	Child Development Center	Child Development Center	School
Residence:		Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 650H,HICKAM ELEM P10
Field Sample ID:		20220114-D2-FT05	220114-D2-CT01	220114-D2-CT04	220114-D2-FT04	220114-D2-FT05	220112-D2-ET02	220112-D2-ET03	20220114-D2-BT01	
Sample Date:		2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-14	
Sample Type:		N	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: DA40923 D2 RES	SDG: DA40923 D2 RES	SDG: 810122551	SDG: 810122551	SDG: C22A020 rev1-Res
			Environmental Action Levels	Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	None							
			None	None	None	None							
			None	None	None	None							
Total Organic Carbon							1.84 J	--	--	--	0.338 J	0.440 J	2.70 J

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Res	SDG: 5801093321_DW	SDG: 5801093321_DW	SDG: 5801093321_DW	SDG: 5801092941	SDG: 5801092941	SDG: C22A020 rev1-Res
		Environmental Action Levels Table D-1A	Groundwater Action Levels									
Petroleum Hydrocarbons (as Diesel)	200		400	None	None	--	88.0 U	87.0 U	88.0 U	91.0 U	88.0 U	--
Petroleum Hydrocarbons (as Gasoline)	200		300	None	None	--	31.0 U	31.0 U	100 U	49.0 J	52.0 J	--
Petroleum Hydrocarbons (as Motor Oil)	200		500	None	None	--	180 U	170 U	180 U	180 U	180 U	--
Total Petroleum Hydrocarbons	211					--	--	--	--	49	52	--

HG (µg/L)	DOH		Environmental Protection Agency Maximum Contaminant Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Res		SDG: DA40929		SDG: 810122551		SDG: C22A020 rev1-Res	
	Incident Specific Parameters	Groundwater Action Levels	Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	2	2	SDG: C22A020 rev1-Res	SDG: DA40929	SDG: C22A020 rev1-Res	SDG: DA40929	SDG: 810122551	SDG: C22A020 rev1-Res	SDG: DA40929	SDG: 810122551	SDG: C22A020 rev1-Res
0.025		0.025														
Mercury																

METAL (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A020 rev1-Res	SDG: DA40929	SDG: DA40929	SDG: DA40929	SDG: 810122551	SDG: 810122551	SDG: C22A020 rev1-Res
		Environmental Action Levels	Table D-1A Groundwater Action Levels									
Antimony	6	6	6	6	6	--	0.100 U	0.100 U	0.100 U	0.0570 U	0.0570 U	--
Arsenic	10	10	10	10	10	--	0.500 U	0.500 U	0.500 U	0.890 U	0.890 U	--
Barium	220	220	2000	2000	2000	--	2.10	2.00	2.20	1.80 J	2.30	--
Beryllium	0.66	0.66	4	4	4	--	0.150 U	0.150 U	0.150 U	0.0830 U	0.0830 U	--
Cadmium	3	3	5	5	5	--	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.140 U	--
Chromium	11	11	100	100	100	--	1.80 J	1.90 J	0.910 J	1.60	1.70	--
Copper	2.9	2.9	1300	1300	1300	--	56.0	190	570	26.0	22.0	--
Lead	15	5.6	15	15	15	--	0.190 J	0.260 J	0.150 J	0.120 J	0.160 J	--
Selenium	5	5	50	50	50	--	0.440 J	0.300 U	1.00	1.60 U	1.60 U	--
Thallium	2	2	2	2	2	--	0.0500 U	0.0500 U	0.0550 J	0.160 U	0.160 U	--

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Location ID:		D2-BLDG650H		D2-BLDG900H		D2-BLDG901H		D2-BLDG920H		D2-BLDG926H		D2-BLDG926H	
Location Type:		School		Non-Residence		Non-Residence		Non-Residence		Non-Residence		Non-Residence	
Residence:		Building 650H,HICKAM ELEM P10		Building 900H,OFFICER OPEN MESS, 10 Julian Ave		Building 901H,OFFICER OPEN MESS		Building 920H,NGIS - NAVY TDY		Building 926H,NGIS - NAVY TDY		Building 926H,NGIS - NAVY TDY	
Field Sample ID:		220114-D2-BT01		220116-D2-HT02		220116-D2-HT05		220118-D2-LT01		220116-D2-KT03		220118-D2-MT08	
Sample Date:		2022-01-14		2022-01-16		2022-01-16		2022-01-18		2022-01-16		2022-01-18	
Sample Type:		N		N		N		N		N		N	

GENCHEM (mg/L)	Incident Specific Parameters	2	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40923 D2 RES	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: C22A038Rev2	SDG: C22A028 rev1	SDG: DA41046	SDG: C22A028 rev1	SDG: DA41079
			Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	None	None	None								
Total Organic Carbon			None	None	None	None	None	None	--	2.99	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U

HC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: 5801093321_DW		SDG: 5801093551		SDG: 5801093551		SDG: DA41079		SDG: 5801093552		SDG: DA41046		SDG: 5801093552		SDG: DA41079	
		Environmental Action Levels Table D-1A	Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093321_DW	SDG: 5801093551	SDG: 5801093551	SDG: DA41079	SDG: 5801093552	SDG: DA41046	SDG: 5801093552	SDG: DA41079	SDG: 5801093552	SDG: DA41046	SDG: 5801093552	SDG: DA41079						
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	87.0 U	86.0 U	86.0 U	86.0 U	190 U	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ	86.0 UJ	190 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	100 U	31.0 U	31.0 U	31.0 U	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ	31.0 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	170 U	170 U	170 U	170 U	190 U	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ	170 UJ	190 UJ
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Environmental Protection Agency Maximum Contaminant Levels													
	DOH Environmental Action Levels Table D-1A Groundwater Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents											
	0.025	0.025	2	2	SDG: DA40929	SDG: DA40953-DA40953R	SDG: DA40986	SDG: DA41079	SDG: DA40986	SDG: DA41046	SDG: DA40986	SDG: DA41079	0.0250 U	0.0250 U
Mercury	0.025				0.0250 UJ	0.0250 U	0.0250 UJ	0.0250 U	0.0250 UJ	0.0250 U	0.0250 UJ	0.0250 UJ	0.0250 U	0.0250 U

METAL (µg/L)	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG					
	Incident Specific Parameters	Environmental Action Levels Table D-1A Groundwater Action Levels	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40929	SDG: DA40953-DA40953R	SDG: DA40986	SDG: DA41079	SDG: DA40986	SDG: DA41046	SDG: DA40986	SDG: DA41079	
Antimony	6	6	6	6	6	0.100 U	0.100 U	0.300 J	0.250 J	0.100 U	0.100 U	0.100 U	0.100 U	
Arsenic	10	10	10	10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.520 J	0.500 U	
Barium	220	220	2000	2000	2000	2.30	2.00	2.60	2.40	2.00	1.90 J	2.00	2.00	
Beryllium	0.66	0.66	4	4	4	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.100 U	0.150 U	0.150 U	
Cadmium	3	3	5	5	5	0.0500 U	0.0500 U	0.0500 UJ	0.0500 U	0.0500 UJ	0.100 U	0.0500 UJ	0.0500 U	
Chromium	11	11	100	100	100	1.90 J	1.80 J	0.990 J	1.40 J	1.20 J	1.30 J	1.10 J	1.60 J	
Copper	2.9	2.9	1300	1300	1300	220	16.0	120	120	34.0	30.0	100	66.0	
Lead	15	5.6	15	15	15	0.350 J	0.160 J	0.960	0.540	0.130 U	0.100 U	0.130 U	0.130 U	
Selenium	5	5	50	50	50	0.370 J	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	
Thallium	2	2	2	2	2	0.0500 U	0.0500 U	0.0500 U	0.100 J	0.0500 U	0.100 U	0.0500 U	0.0500 U	

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Location ID:		D2-CHAL2405B		D2-CHAL2407A		D2-CHAL2412A		D2-CHAL2415A		D2-CHAL2421A		D2-CHAL2430A		D2-CHAL2437A	
Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence	
Residence:		2405 Challenger Loop		2407 Challenger Loop		2412 Challenger Loop		2415 Challenger Loop		2421 Challenger Loop		2430 Challenger Loop		2437 Challenger Loop	
Field Sample ID:		220112-D2-GT06		220113-D2-CT04		220112-D2-HT09		220112-D2-GT08		220111-D2-ET05		220111-D2-HT07		220111-D2-BT14	
Sample Date:		2022-01-12		2022-01-13		2022-01-12		2022-01-12		2022-01-11		2022-01-11		2022-01-11	
Sample Type:		N		N		N		N		N		N		N	

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	2A14035	SDG: DA40902	0.200 U	SDG: DA40902	0.200 U	SDG: DA40865	810119061	SDG: 810119061	SDG: DA40865
			Environmental Action Levels	Environmental Protection Agency												
Total Organic Carbon	2	None	None	None	None	None	None	0.190 U	0.200 U	0.200 U	0.431 J	0.200 U	0.431 J	810119061	0.431 J	0.200 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	5801093281_Rev	SDG: DA40902	190 U	SDG: DA40902	190 U	SDG: DA40865	5801092041	SDG: 5801092041	SDG: DA40865
			Environmental Action Levels	Environmental Protection Agency												
Petroleum Hydrocarbons (as Diesel)	200	400	400	None	None	None	90.0 U	31.0 U	40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ	31.0 U	92.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	300	None	None	None	31.0 U	180 U	100 U	100 U	180 U	100 U	100 U	180 U	100 U	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	500	None	None	None	100 U	100 U	100 U	100 U	100 U	100 U	100 U	180 U	100 U	100 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	810122601	SDG: DA40902	0.0500 U	SDG: DA40902	0.0500 U	SDG: DA40865	810119061	SDG: 810119061	SDG: DA40865
			Environmental Action Levels	Environmental Protection Agency												
Mercury	0.025	0.025	0.025	2	2	2	0.0500 U	0.0570 J	0.0500 U	0.0500 U	0.0500 U	0.0560 U	0.0560 U	810119061	0.0560 U	0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	810122601	SDG: DA40902	0.100 U	SDG: DA40902	0.100 U	SDG: DA40865	810119061	SDG: 810119061	SDG: DA40865
			Environmental Action Levels	Environmental Protection Agency												
Antimony	6	6	6	6	6	6	0.0570 U	0.0570 U	0.100 U	0.0570 U	0.100 U	0.0570 U	0.100 U	0.0570 U	0.100 U	0.100 U
Arsenic	10	10	10	10	10	10	0.890 U	0.890 U	0.930 J	0.890 U	0.930 J	0.890 U	0.890 U	0.890 U	1.00 J	1.00 J
Barium	220	220	220	2000	2000	2000	1.90 J	1.90 J	2.20	1.90 J	2.00	2.00	2.00	2.10	2.00	2.00
Beryllium	0.66	0.66	0.66	4	4	4	0.0830 U	0.0830 U	0.150 U	0.150 U	0.150 U	0.0830 U	0.0830 U	0.0830 U	0.150 U	0.150 U
Cadmium	3	3	3	5	5	5	0.140 U	0.140 U	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.140 U	0.140 U	0.0500 U	0.0500 U
Chromium	11	11	11	100	100	100	1.70	1.70	1.90 J	1.70	2.00	1.80 J	1.70	1.70	1.80 J	1.80 J
Copper	2.9	2.9	2.9	1300	1300	1300	58.0	32.0	31.0	58.0	110	52.0	58.0	83.0	39.0	39.0
Lead	15	15	5.6	15	15	15	1.00	0.160 J	0.200 J	0.160 J	0.300 J	0.270 J	0.370 J	0.230 J	0.130 U	0.130 U
Selenium	5	5	5	50	50	50	1.60 U	0.300 U	0.380 J	0.300 U	0.300 U	0.300 U	0.300 U	1.60 J	0.300 U	0.300 U
Thallium	2	2	2	2	2	2	0.160 U	0.0500 U	0.0500 U	0.160 U	0.0500 U	0.0500 U	0.160 U	0.160 U	0.0500 U	0.0500 U

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Location ID:	D2-CORN1101		D2-CORN1201	D2-FOXB1203	D2-FOXB1304	D2-FOXB1405	D2-FOXB1406	D2-FOXB1505	D2-FOXB1605
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1101 Cornet Avenue		1201 Cornet Avenue	1203 Fox Boulevard	1304 Fox Boulevard	1405 Fox Boulevard	Building	1505 Fox Boulevard	1605 Fox Boulevard
Field Sample ID:	220111-D2-ET04		220111-D2-HT03	220111-D2-FT03	220111-D2-HT05	220111-D2-FT07	220111-D2-FT08	220111-D2-GT01	220111-D2-GT06
Sample Date:	2022-01-11		2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-11
Sample Type:	N		N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40865	SDG: 810119061	SDG: 810121181	SDG: 810119061	SDG: 810121181	SDG: 810119061	SDG: 810121181	SDG: 810121181		
			None	None												
															None	None
Total Organic Carbon	2	None	None	None	None	0.200 U	0.412 J	0.356 J	0.452 J	0.417 J	0.548 J	0.352 J	0.285 J			

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels									
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	190 U	89.0 U	92.0 U	88.0 U	91.0 U	93.0 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	40.0 UJ	31.0 U	31.0 U	31.0 U	31.0 U	31.0 UJ	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	100 U	180 U	180 U	180 U	180 U	190 U	180 U
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels									
Mercury	0.025	0.025	0.025	2	2	2	0.0500 U	0.0560 U	0.0560 U	0.0560 U	0.0560 U	0.0560 U	0.0560 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels									
Antimony	6	6	6	6	6	6	0.100 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Arsenic	10	10	10	10	10	10	0.590 J	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U	0.890 U
Barium	220	220	220	2000	2000	2000	1.90 J	1.90 J	1.80 J	2.10	1.90 J	2.00	1.90 J
Beryllium	0.66	0.66	0.66	4	4	4	0.150 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U	0.0830 U
Cadmium	3	3	3	5	5	5	0.0500 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U
Chromium	11	11	11	100	100	100	1.70 J	1.70	1.70	1.70	1.80	1.70	1.50
Copper	2.9	2.9	2.9	1300	1300	1300	12.0	55.0	48.0	23.0	25.0	20.0	19.0
Lead	15	5.6	5.6	15	15	15	0.210 J	0.280 J	0.120 J	0.350 J	0.230 J	0.150 J	0.200 J
Selenium	5	5	5	50	50	50	0.300 U	1.60 U	1.60 U	1.60 U	1.60 U	1.70 J	1.60 J
Thallium	2	2	2	2	2	2	0.0870 J	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U

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Location ID:	D2-FOXB1713		D2-FOXB1713	D2-FOXB1809	D2-FOXB1809	D2-FOXB1809	D2-FOXB1904	D2-FOXB1913	D2-FOXB1922
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1713 Fox Boulevard		1713 Fox Boulevard	1809 Fox Boulevard	1809 Fox Boulevard	1809 Fox Boulevard	1904 Fox Boulevard	1913 Fox Boulevard	1922 Fox Boulevard
Field Sample ID:	220116-D2-IT01		220117-D2-HT05	220112-D2-IT04	220117-D2-AT07	220117-D2-AT08	220117-D2-IT04	220112-D2-JT07	220112-D2-GT01
Sample Date:	2022-01-16		2022-01-17	2022-01-12	2022-01-17	2022-01-17	2022-01-17	2022-01-12	2022-01-12
Sample Type:	N		N	N	N	FD	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: 2A18014	SDG: DA40902	SDG: C22A034	SDG: C22A034	SDG: 2A18014	SDG: DA40902	SDG: DA40865		
			Environmental Action Levels	Environmental Protection Agency												
															None	None
2	None	None	None	None	None	0.190 U	0.200 U	0.200 U	1.75	0.190 U	0.200 U	0.200 U				
Total Organic Carbon							3.26									

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	None	SDG: DA40986	SDG: DA41046						
Petroleum Hydrocarbons (as Diesel)	200	400		None		None		190 UJ	94.0 U	92.0 U	190 UJ	190 UJ	190 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300		None		None		40.0 UJ	31.0 U	31.0 U	40.0 UJ	40.0 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500		None		None		190 U	190 U	180 U	190 U	100 UJ	100 UJ
Total Petroleum Hydrocarbons	211							--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters		DOH Environmental Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
	0.025	0.025	Groundwater Action Levels	Table D-1A	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	2	2	SDG: DA40986	SDG: DA41046	SDG: DA40902	SDG: 810124441	SDG: 810124441	SDG: DA41046
Mercury									0.0250 UJ	0.0250 U	0.0500 U	0.0560 U	0.0250 U	0.0500 U

METAL (µg/L)	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:							
	Incident Specific Parameters	Environmental Action Levels	Table D-1A	Groundwater Action Levels	Drinking Water	Branch (SDWB)	Regulatory Constituents	Agency	Maximum Contaminant Levels	SDG: DA40986	SDG: DA41046	SDG: DA40902	SDG: 810124441	SDG: DA41046	SDG: DA40902	SDG: DA40865
Antimony	6	6					6	6		0.100 U	0.100 U	0.100 U	0.0570 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10					10	10		0.500 U	0.500 U	1.20 J	0.890 U	0.500 U	0.980 J	1.20 J
Barium	220	220					2000	2000		1.80 J	1.90 J	1.80 J	1.80 J	1.80 J	1.90 J	1.90 J
Beryllium	0.66	0.66					4	4		0.150 U	0.100 U	0.150 U	0.0830 U	0.100 U	0.150 U	0.150 U
Cadmium	3	3					5	5		0.0500 UJ	0.100 U	0.0500 U	0.140 U	0.100 U	0.0500 U	0.0500 U
Chromium	11	11					100	100		1.10 J	2.00 U	1.80 J	1.80	1.40 J	1.90 J	1.90 J
Copper	2.9	2.9					1300	1300		34.0	28.0	86.0	99.0	63.0	16.0	100
Lead	15	5.6					15	15		0.240 J	0.200 J	0.130 U	0.190 J	0.200 J	0.190 J	0.200 J
Selenium	5	5					50	50		0.300 U	0.300 U	0.300 U	1.60 U	0.300 U	0.300 U	0.300 U
Thallium	2	2					2	2		0.0500 U	0.100 U	0.0500 U	0.160 U	0.100 U	0.0500 U	0.0500 U

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Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-FOXB1930		D2-FOXB2002	D2-FOXB2003	D2-FOXB2031	D2-GEMI0312	D2-GEMI0717	D2-HOAA0902
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1930 Fox Boulevard		2002 Fox Boulevard	2003 Fox Boulevard	2031 Fox Boulevard	312 Gemini Avenue	717 Gemini Avenue	902 Hoano Alley
Field Sample ID:	220112-D2-JT05		220111-D2-GT02	220111-D2-BT12	220111-D2-BT04	220116-D2-IT03	220118-D2-MT01	220112-D2-ET04
Sample Date:	2022-01-12		2022-01-11	2022-01-11	2022-01-11	2022-01-16	2022-01-18	2022-01-12
Sample Type:	N		N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Groundwater Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40902	SDG: 810119061	SDG: DA40816A_r1	SDG: DA40816A_r1	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: DA41046	SDG: 810122551
			None											
Total Organic Carbon	2	None	None	None	None	None	0.200 U	0.385 J	0.200 U	0.200 U	2.28	2.58	0.200 U	0.484 J

HC (µg/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency		SDG		SDG		SDG			
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Drinking Water Regulatory Constituents	Maximum Contaminant Levels	Maximum Contaminant Levels	Regulatory Constituents	Regulatory Constituents	Maximum Contaminant Levels	Maximum Contaminant Levels	SDG: DA40902	SDG: 5801092541	SDG: DA40816A_r1	SDG: DA40816A_r1	SDG: DA40986	SDG: DA41046	SDG: 5801092941
Petroleum Hydrocarbons (as Diesel)	200		400			None	None	None	None	190 UJ	93.0 U	190 U	190 UJ	190 UJ	190 UJ	190 UJ	88.0 U
Petroleum Hydrocarbons (as Gasoline)	200		300			None	None	None	None	40.0 UJ	31.0 U	40.0 U	40.0 U	40.0 U	40.0 UJ	40.0 UJ	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200		500			None	None	None	None	100 UJ	190 U	100 U	190 UJ	190 UJ	190 U	190 U	180 U
Total Petroleum Hydrocarbons	211					--	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	DOH Environmental Protection Agency Maximum Contaminant Levels																			
	Incident Specific Parameters		Groundwater Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40902		SDG: 810119061		SDG: DA40816A_r1		SDG: DA40986		SDG: DA41046		SDG: 810122551	
	0.025	0.025	0.025	2	2	0.0500 U	0.0560 U	0.100 U	0.100 U	0.0250 U	0.0250 UJ	0.0250 UJ	0.100 U	0.0250 U	0.0250 U	0.100 U	0.100 U			
Mercury																				

DOH			Environmental Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG					
METAL (µg/L)	Incident Specific Parameters	Groundwater Action Levels	Table D-1A	Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40902	SDG: 810119061	SDG: DA40816A_r1	SDG: DA40816A_r1	SDG: DA40986	SDG: DA41046	SDG: 810122551	
Antimony	6	6		6	6	6	0.100 U	0.0570 U	0.100 U	0.100 U	0.100 U	0.100 U	0.0570 U	
Arsenic	10	10		10	10	10	0.940 J	0.890 U	0.500 U	0.800 J	0.500 U	0.500 U	0.890 U	
Barium	220	220		220	2000	2000	1.90 J	1.90 J	1.90 J	1.90 J	1.90 J	2.00	1.80 J	
Beryllium	0.66	0.66		0.66	4	4	0.150 U	0.0830 U	0.100 U	0.100 U	0.150 U	0.100 U	0.0830 U	
Cadmium	3	3		3	5	5	0.0500 U	0.140 U	0.100 U	0.100 U	0.0500 UJ	0.100 U	0.140 U	
Chromium	11	11		11	100	100	2.00	1.70	2.30 J	2.40 J	1.50 J	1.70 J	1.70	
Copper	2.9	2.9		2.9	1300	1300	48.0	22.0	110	40.0	38.0	10.0	15.0	
Lead	15	5.6		5.6	15	15	0.310 J	0.510	0.200 J	0.100 U	0.350 J	0.200 J	0.290 J	
Selenium	5	5		5	50	50	0.300 U	1.60 U	0.300 U	0.300 U	0.300 U	0.300 U	1.60 U	
Thallium	2	2		2	2	2	0.0500 U	0.160 U	0.100 U	0.100 U	0.0500 U	0.100 J	0.160 U	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HOAA0905	D2-HONU0118	D2-HOOP0911	D2-HOOP0918	D2-HUIL0343	D2-JULI0004	D2-JULI0104	D2-JULI0107
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	905 Hoano Alley	118 Honu Alley	911 Hoopinana Alley	918 Hoopinana Alley	343 Huilanui Alley	4 Julian Avenue	104 Julian Avenue	107 Julian Avenue
Field Sample ID:	220112-D2-GT03	220111-D2-AT06	220112-D2-HT03	220117-D2-HT03	220111-D2-ET01	220115-D2-BT04	220114-D2-IT05	220115-D2-BT08
Sample Date:	2022-01-12	2022-01-11	2022-01-12	2022-01-17	2022-01-11	2022-01-15	2022-01-14	2022-01-15
Sample Type:	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Total Organic Carbon	2	None	None	None	None	None	0.200 U	0.200 U	--	1.60

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	190 U	190 U	91.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	40.0 U	40.0 U	100 U	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	100 U	100 U	180 U	190 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Mercury	0.025	0.025	0.0500 U	2	0.0500 U	2	0.0500 U	0.100 U	0.0250 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Antimony	6	6	0.110 J	6	0.100 U	6	0.0570 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10	0.690 J	10	0.500 U	10	0.890 U	0.500 J	0.500 U	0.500 U
Barium	220	220	2.10	2000	2.00	2000	1.90 J	1.90 J	2.10	2.00
Beryllium	0.66	0.66	0.150 U	4	0.150 U	4	0.0830 U	0.100 U	0.150 U	0.150 U
Cadmium	3	3	0.0500 U	5	0.100 U	5	0.140 U	0.100 U	0.0500 U	0.0500 U
Chromium	11	11	1.60 J	100	2.20 J	100	1.90	2.20 J	1.10 J	1.90 J
Copper	2.9	2.9	12.0	1300	22.0	1300	12.0	4.90	29.0	110
Lead	15	5.6	0.210 J	15	0.180 J	15	0.240 J	0.200 J	0.280 J	0.460 J
Selenium	5	5	0.300 U	50	0.300 U	50	1.60 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	0.0500 U	2	0.0500 U	2	0.160 U	0.100 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-JULI0305	D2-JULI0403	D2-JULI0507	D2-JULI0507	D2-JULI0613	D2-JULI0704	D2-KAMIA0422
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	305 Julian Avenue	403 Julian Avenue	507 Julian Avenue	507 Julian Avenue	613 Julian Way	704 Julian Avenue	422 Kamakakoa Alley
Field Sample ID:	220117-D2-IT02	220117-D2-HT02	22020114-D2-IT02	220114-D2-IT02	220112-D2-HT07	220112-D2-FT03	220112-D2-BT04
Sample Date:	2022-01-17	2022-01-17	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-12
Sample Type:	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	DA40923 D2 RES	SDG:	C22A028 rev1	SDG:	DA40865	SDG:	DA40865	SDG:	810120771
			Environmental Action Levels	Environmental Protection Agency Maximum Contaminant Levels														
Total Organic Carbon	2	None	None	None	None	None	SDG:	0.200 U	SDG:	--	SDG:	0.200 U	SDG:	0.200 U	SDG:	0.200 U	SDG:	0.446 J

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	5801093801	SDG:	5801093281_Rev	SDG:	DA40865	SDG:	DA40865	SDG:	5801092931
			Environmental Action Levels	Environmental Protection Agency Maximum Contaminant Levels														
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	SDG:	--	SDG:	92.0 U	SDG:	87.0 U	SDG:	190 UJ	SDG:	190 UJ	SDG:	91.0 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	SDG:	--	SDG:	31.0 U	SDG:	31.0 U	SDG:	40.0 UJ	SDG:	40.0 UJ	SDG:	31.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	SDG:	--	SDG:	180 U	SDG:	170 U	SDG:	100 UJ	SDG:	100 UJ	SDG:	180 U
Total Petroleum Hydrocarbons	211	--	--	--	--	--	SDG:	--	SDG:	--	SDG:	--	SDG:	--	SDG:	--	SDG:	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	810124441	SDG:	DA40914	SDG:	DA40953-DA40953R	SDG:	DA40865	SDG:	810120771
			Environmental Action Levels	Environmental Protection Agency Maximum Contaminant Levels														
Mercury	0.025	0.025	0.025 U	0.0560 U	2	2	SDG:	--	SDG:	0.0560 U	SDG:	0.0500 U	SDG:	0.0250 U	SDG:	0.0500 U	SDG:	0.0560 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A020 rev1-Res	SDG:	810124441	SDG:	DA40914	SDG:	DA40953-DA40953R	SDG:	DA40865	SDG:	810120771
			Environmental Action Levels	Environmental Protection Agency Maximum Contaminant Levels														
Antimony	6	6	0.100 U	0.0570 U	6	6	SDG:	--	SDG:	0.0570 U	SDG:	0.100 U	SDG:	0.100 U	SDG:	0.100 U	SDG:	0.0570 U
Arsenic	10	10	0.500 U	0.890 U	10	10	SDG:	--	SDG:	0.890 U	SDG:	0.500 U	SDG:	0.500 U	SDG:	1.30 J	SDG:	0.890 U
Barium	220	220	1.90 J	1.90 J	2000	2000	SDG:	--	SDG:	1.90 J	SDG:	1.90 J	SDG:	2.00	SDG:	1.90 J	SDG:	1.80 J
Beryllium	0.66	0.66	0.100 U	0.0830 U	4	4	SDG:	--	SDG:	0.0830 U	SDG:	0.150 U	SDG:	0.150 U	SDG:	0.150 U	SDG:	0.0830 U
Cadmium	3	3	0.100 U	0.140 U	5	5	SDG:	--	SDG:	0.140 U	SDG:	0.0500 U	SDG:	0.0500 U	SDG:	0.0500 U	SDG:	0.140 U
Chromium	11	11	1.30 J	1.60	100	100	SDG:	--	SDG:	1.60	SDG:	1.80 J	SDG:	1.90 J	SDG:	1.90 J	SDG:	1.60
Copper	2.9	2.9	46.0	110	1300	1300	SDG:	--	SDG:	58.0	SDG:	110	SDG:	94.0	SDG:	25.0	SDG:	9.40
Lead	15	15	0.100 U	0.970	15	15	SDG:	--	SDG:	0.970	SDG:	0.300 J	SDG:	0.740	SDG:	0.170 J	SDG:	0.0880 U
Selenium	5	5	0.300 U	1.60 U	50	50	SDG:	--	SDG:	1.60 U	SDG:	0.300 U	SDG:	0.300 U	SDG:	0.300 U	SDG:	1.60 U
Thallium	2	2	0.100 U	0.160 U	2	2	SDG:	--	SDG:	0.160 U	SDG:	0.0500 U	SDG:	0.0500 U	SDG:	0.0500 U	SDG:	0.160 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-KAMAA0422		D2-KAUW0631	D2-KAUW0631	D2-KAWE0521	D2-KAWE0525	D2-KAWE0671	D2-KOAA0501	D2-KOAA0501
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	422 Kamakoa Alley		631 Kauwenaole Alley	631 Kauwenaole Alley	521 Kawehiwehi Street	525 Kawehiwehi Street	671 Kawehiwehi Street	501 Koaina Alley	501 Koaina Alley
Field Sample ID:	220112-D2-BT06	220112-D2-BT10	220112-D2-BT12	220111-D2-IT01	220111-D2-AT01	220116-D2-IT05	220114-D2-JT04	220114-D2-JT04	
Sample Date:	2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-11	2022-01-16	2022-01-14	2022-01-14	
Sample Type:	FD	N	FD	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:
			Groundwater	Table D-1A	Regulatory	Branch (SDWB)	Agency	Maximum				
	2	None	None	None	None	None	None	None	810120771	810122551	810122551	810121181
Total Organic Carbon									0.359 J	0.355 J	0.445 J	0.403 J
										0.200 U	2.60	0.200 UJ
												--

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:
			Groundwater	Table D-1A	Regulatory	Branch (SDWB)	Agency	Maximum				
	200	400	None	None	None	None	None	None	5801092931	5801092941	5801092941	5801092541
Petroleum Hydrocarbons (as Diesel)									93.0 U	94.0 U	93.0 U	92.0 U
Petroleum Hydrocarbons (as Gasoline)									31.0 U	40.0 J	31.0 U	31.0 U
Petroleum Hydrocarbons (as Motor Oil)									190 U	190 U	190 U	180 U
Total Petroleum Hydrocarbons	211								--	40	--	--
												--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:
			Groundwater	Table D-1A	Regulatory	Branch (SDWB)	Agency	Maximum				
	0.025	0.025	6	2	2	2	2	2	810120771	810122551	810122551	810121181
Mercury									0.0560 U	0.0560 U	0.0560 U	0.0560 U
										0.0560 U	0.0250 UJ	--
												0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:
			Groundwater	Table D-1A	Regulatory	Branch (SDWB)	Agency	Maximum				
	6	6	6	6	6	6	6	6	810120771	810122551	810121181	810121181
Antimony									0.0570 U	0.0570 U	0.100 U	0.100 U
Arsenic	10	10	10	10	10	10	10	10	0.890 U	0.890 U	0.600 J	0.500 U
Barium	220	220	220	2000	2000	2000	2000	2000	1.90 J	1.80 J	2.00	1.90 J
Beryllium	0.66	0.66	4	4	4	4	4	4	0.0830 U	0.0830 U	0.150 U	0.150 U
Cadmium	3	3	5	5	5	5	5	5	0.140 U	0.140 U	0.0500 UJ	0.0500 U
Chromium	11	11	100	100	100	100	100	100	1.70	1.60	1.30 J	1.80 J
Copper	2.9	2.9	1300	1300	1300	1300	1300	1300	11.0	12.0	5.30	8.60
Lead	15	15	15	15	15	15	15	15	0.140 J	0.160 J	0.170 J	0.270 J
Selenium	5	5	50	50	50	50	50	50	1.60 U	1.60 U	0.300 U	0.130 U
Thallium	2	2	2	2	2	2	2	2	0.160 U	0.160 U	0.0500 U	0.300 U
												0.0710 J

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-KULE0606		D2-KUMA0281	D2-KUMA0295	D2-LELE0621	D2-LEWA0278	D2-LEWA0321	D2-LEWA0336	D2-LEWA0382
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	606 Kulekia Alley		281 Kumama Alley	295 Kumama Alley	621 Lelemanu Alley	278 Lewa Hia Loop	321 Lewa Mawaho Loop	336 Lewa Mawaho Loop	382 Lewahana Loop
Field Sample ID:	220113-D2-GT03	220112-D2-ET05	220116-D2-AT05	220117-D2-IT01	220117-D2-HT01	220113-D2-GT04	220112-D2-HT05	220112-D2-HT11	
Sample Date:	2022-01-13	2022-01-12	2022-01-16	2022-01-17	2022-01-17	2022-01-13	2022-01-12	2022-01-12	
Sample Type:	N	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Total Organic Carbon	2	None	None	None	None	None	0.190 U	0.200 U	0.190 U	0.200 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	94.0 U	86.0 U	93.0 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	31.0 U	31.0 U	31.0 U	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	190 U	170 U	190 U	100 U
Total Petroleum Hydrocarbons	211		--	42	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Mercury	0.025	0.025	0.0500 U	0.0560 U	2	2	0.0500 U	0.0560 U	0.0500 U	0.0500 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:
			Environmental Action Levels Table D-1A	Environmental Protection Agency						
Antimony	6	6	0.100 U	0.0570 U	6	6	0.100 U	0.0570 U	0.100 U	0.100 U
Arsenic	10	10	0.840 J	0.890 U	10	10	0.500 U	0.890 U	1.20 J	0.900 J
Barium	220	220	1.90 J	1.80 J	2000	2000	1.90 J	1.90 J	2.10	2.00
Beryllium	0.66	0.66	0.150 U	0.0830 U	4	4	0.150 U	0.0830 U	0.150 U	0.150 U
Cadmium	3	3	0.0500 U	0.140 U	5	5	0.100 U	0.140 U	0.0500 U	0.0500 U
Chromium	11	11	1.70 J	1.60	100	100	1.40 J	1.80	1.80 J	1.90 J
Copper	2.9	2.9	13.0	7.60	1300	1300	8.40	8.30	25.0	37.0
Lead	15	5.6	0.320 J	0.160 J	15	15	0.200 J	0.230 J	0.410 J	0.290 J
Selenium	5	5	0.300 U	1.60 U	50	50	0.300 U	1.60 U	0.340 J	0.300 U
Thallium	2	2	0.0500 U	0.160 U	2	2	0.100 U	0.160 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-LEWA0409		D2-MERC0212	D2-MERC0222	D2-MERC0232	D2-MONT0300	D2-MONT0303	D2-OPUL0431	D2-PONAO402
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	409 Lewa Mawaho Loop		212 Mercury Street	222 Mercury Street	232 Mercury Street	300 Monthan Street	303 Monthan Street	431 Opulepule Alley	402 Ponanonana Alley
Field Sample ID:	220111-D2-JT04		220111-D2-HT11	220111-D2-HT09	220111-D2-BT08	220115-D2-BT07	220115-D2-ET05	220112-D2-BT08	220117-D2-LT06
Sample Date:	2022-01-11		2022-01-11	2022-01-11	2022-01-11	2022-01-15	2022-01-15	2022-01-12	2022-01-17
Sample Type:	N		N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810119061	SDG:	810119061	SDG:	DA40816A_r1	SDG:	C22A026_Rev2a	SDG:	810-12257-1_Rev	SDG:	C22A034
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels														
Total Organic Carbon	2	None	None	None	None	None	SDG:	810119061	0.476 J	0.429 J	0.200 U	0.200 U	0.200 U	0.368 J	0.200 U	0.368 J	2.58	

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	5801092541	SDG:	5801092541	SDG:	DA40816A_r1	SDG:	DA40953-DA40953R	SDG:	5801092931	SDG:	5801094311
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels														
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	SDG:	5801092541	92.0 U	93.0 U	190 U	190 U	190 U	190 U	91.0 U	91.0 U	91.0 U	
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	SDG:	31.0 U	31.0 U	31.0 U	40.0 U	40.0 U	40.0 U	40.0 U	31.0 U	31.0 U	31.0 U	
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	SDG:	180 U	190 U	190 U	190 U	100 U	190 U	190 U	180 U	180 U	180 U	
Total Petroleum Hydrocarbons	211	--	--	--	--	--	SDG:	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810119061	SDG:	810119061	SDG:	DA40816A_r1	SDG:	DA40953-DA40953R	SDG:	810-12257-1_Rev	SDG:	2A18014
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels														
Mercury	0.025	0.025	6	2	2	2	SDG:	810119061	0.0560 U	0.0560 U	0.0250 U	0.100 U	0.0250 U	0.0250 U	0.0560 U	0.0170 U	0.0170 U	

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	810119061	SDG:	810119061	SDG:	DA40816A_r1	SDG:	DA40953-DA40953R	SDG:	810-12257-1_Rev	SDG:	2A18014
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels														
Antimony	6	6	6	6	6	6	SDG:	0.0570 U	0.0570 U	0.0570 U	0.100 U	0.100 U	0.100 U	0.100 U	0.0570 U	0.0889 U	0.0889 U	
Arsenic	10	10	10	10	10	10	SDG:	0.890 U	0.890 U	0.890 U	0.700 J	0.890 J	0.500 U	0.500 U	0.890 U	0.296 J	0.296 J	
Barium	220	220	220	2000	2000	2000	SDG:	1.90 J	1.90 J	1.90 J	2.00	2.00	2.00	2.10	1.80 J	1.82	1.82	
Beryllium	0.66	0.66	4	4	4	4	SDG:	0.0830 U	0.0830 U	0.0830 U	0.100 U	0.100 U	0.150 U	0.150 U	0.0830 U	0.0624 U	0.0624 U	
Cadmium	3	3	5	5	5	5	SDG:	0.140 U	0.140 U	0.140 U	0.100 U	0.100 U	0.0500 U	0.0500 U	0.140 U	0.0416 U	0.0416 U	
Chromium	11	11	100	100	100	100	SDG:	1.70	1.70	1.70	2.40 J	1.10 J	1.90 J	1.90 J	1.50	1.41	1.41	
Copper	2.9	2.9	1300	1300	1300	1300	SDG:	8.40	14.0	14.0	6.10	12.0	6.20	14.0	14.0	9.34	9.34	
Lead	15	15	15	15	15	15	SDG:	0.200 J	0.200 J	0.230 J	0.100 U	0.130 U	0.130 U	0.130 U	0.140 J	0.275	0.275	
Selenium	5	5	50	50	50	50	SDG:	1.60 U	1.60 U	1.60 J	0.300 U	0.300 U	0.480 J	1.60 U	1.60 U	1.34	1.34	
Thallium	2	2	2	2	2	2	SDG:	0.160 U	0.160 U	0.160 U	0.100 U	0.100 U	0.0500 U	0.0500 U	0.160 U	0.0210 U	0.0210 U	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-PORT0904	D2-PORT0904	D2-PORT1302	D2-PORT1308	D2-PORT1726	D2-PORT1810	D2-PORT1824	D2-PORT1902		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	904 Porter Avenue	904 Porter Avenue	1302 Porter Avenue	1308 Porter Avenue	1726 Porter Avenue	1810 Porter Avenue	1824 Porter Avenue	1902 Porter Avenue		
Field Sample ID:	220115-D2-HT02	220115-D2-HT03	220111-D2-FT09	220111-D2-FT06	220112-D2-IT06	220112-D2-FT07	220113-D2-ET04	220117-D2-HT06		
Sample Date:	2022-01-15	2022-01-15	2022-01-11	2022-01-11	2022-01-12	2022-01-12	2022-01-13	2022-01-17		
Sample Type:	N	FD	N	N	N	N	N	N		

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	C22A025 rev1	SDG:	810121181	SDG:	DA40902	SDG:	2A14037	SDG:	2A18014
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels												
Total Organic Carbon	2	None	None	None	None	None	1.66	1.81	0.581 J	0.392 J	0.200 U	0.200 U	0.190 U	0.190 U	0.190 U	0.190 U

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	DA40929	SDG:	5801092541	SDG:	DA40902	SDG:	5801093321_DW	SDG:	DA41046
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels												
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	None	None	190 UJ	190 UJ	89.0 U	95.0 U	190 U	190 U	91.0 U	190 U	190 U	40.0 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	None	40.0 UJ	40.0 UJ	31.0 U	31.0 U	40.0 UJ	40.0 UJ	31.0 U	40.0 UJ	40.0 UJ	190 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	None	190 U	190 UJ	180 U	190 U	100 U	100 U	180 U	190 U	190 U	40.0 UJ
Total Petroleum Hydrocarbons	211	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	DA40929	SDG:	810121181	SDG:	DA40902	SDG:	DA40914	SDG:	DA41046
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels												
Mercury	0.025	0.025	2	2	0.0250 UJ	0.0250 UJ	0.0250 UJ	0.0250 UJ	0.0560 U	0.0560 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0250 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels	SDG:	DA40929	SDG:	810121181	SDG:	DA40902	SDG:	DA40914	SDG:	DA41046
			Environmental Action Levels Table D-1A	Environmental Protection Agency Maximum Contaminant Levels												
Antimony	6	6	6	6	0.100 U	0.100 U	0.100 U	0.100 U	0.0570 U	0.0570 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10	10	10	0.500 U	0.500 U	0.500 U	0.500 U	0.890 U	0.890 U	0.610 J	0.980 J	0.500 U	0.500 U	0.500 U	0.500 U
Barium	220	220	220	2000	2.00	2.00	1.90 J	1.90 J	2.00	1.90 J	1.90 J	1.90 J	1.90 J	1.90 J	1.90 J	1.90 J
Beryllium	0.66	0.66	4	4	0.150 U	0.150 U	0.150 U	0.150 U	0.0830 U	0.0830 U	0.150 U	0.150 U	0.150 U	0.150 U	0.100 U	0.100 U
Cadmium	3	3	5	5	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.140 U	0.140 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.100 U	0.100 U
Chromium	11	11	100	100	1.10 J	1.10 J	1.10 J	1.10 J	1.80	1.70	1.90 J	2.20	2.00	2.00	1.40 J	1.40 J
Copper	2.9	2.9	1300	1300	24.0	21.0	21.0	21.0	37.0	37.0	58.0	58.0	67.0	67.0	81.0	81.0
Lead	15	5.6	15	15	0.370 J	0.370 J	0.370 J	0.370 J	0.0920 J	0.170 J	0.170 J	0.130 J	0.210 J	0.210 J	0.100 J	0.100 J
Selenium	5	5	50	50	0.300 U	0.300 U	0.300 U	0.300 U	1.60 U	1.60 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	2	2	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.160 U	0.160 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.100 J	0.100 J

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-PORT1917		D2-SIGN0202		D2-SIGN0406		D2-SIGN0504A		D2-SIGN1001		D2-SIGN203C		D2-SIGN302B	
Location Type:		Residence		Residence		Residence		Residence		Residence		Residence		Residence	
Residence:		1917 Porter Avenue		202 Signer Boulevard		406 Signer Boulevard		504 Signer Boulevard		1001 Signer Boulevard		203 Signer Boulevard		302 Signer Boulevard	
Field Sample ID:		220112-D2-FT09		220115-D2-HT04		220118-D2-MT05		220115-D2-IT04		20220114-D2-IT01		220114-D2-IT01		220115-D2-HT05	
Sample Date:		2022-01-12		2022-01-15		2022-01-18		2022-01-15		2022-01-14		2022-01-14		2022-01-15	
Sample Type:		N		N		N		N		N		N		N	

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40902	SDG: C22A025 rev1	SDG: DA41046	SDG: C22A025 rev1	SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: C22A025 rev1	SDG: C22A025 rev1
			None	None	None	None	None	None								
Total Organic Carbon	2								0.200 U	4.02	0.200 U	0.200 U	1.95 J	--	0.200 U	2.53

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40902	SDG: DA40953-DA40953R	SDG: DA41046	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res	SDG: 5801093281_Rev	SDG: DA40953-DA40953R	SDG: DA40929
			400	300	None	None	None	None								
Petroleum Hydrocarbons (as Diesel)	200								190 UJ	190 U	190 U	190 U	--	90.0 U	190 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200								40.0 UJ	40.0 UJ	40.0 UJ	40.0 UJ	--	31.0 U	40.0 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200								100 UJ	190 U	190 U	190 U	--	180 U	190 U	190 U
Total Petroleum Hydrocarbons	211								--	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40902	SDG: DA40953-DA40953R	SDG: DA41046	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res	SDG: DA40914	SDG: DA40953-DA40953R	SDG: DA40929
			0.025	0.025	2	2	2	2								
Mercury	0.025								0.0500 U	0.0250 U	0.0250 U	0.0250 U	--	0.0500 U	0.0250 U	0.0250 UJ

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40902	SDG: DA40953-DA40953R	SDG: DA41046	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res	SDG: DA40914	SDG: DA40953-DA40953R	SDG: DA40929
			6	10	6	10	6	6								
Antimony	6								0.100 U	0.100 U	0.100 U	0.100 U	--	0.100 U	0.100 U	0.100 U
Arsenic	10								1.10 J	0.500 U	0.500 U	0.500 U	--	0.500 U	0.500 U	0.500 U
Barium	220								1.90 J	2.10	1.90 J	2.00	--	2.10	2.10	2.10
Beryllium	0.66								0.150 U	0.150 U	0.100 U	8.40	--	0.150 U	0.150 U	0.150 U
Cadmium	3								0.0500 U	0.0590 J	0.100 U	0.0500 U	--	0.0500 U	0.0500 U	0.0500 U
Chromium	11								1.80 J	2.10	1.40 J	1.80 J	--	1.90 J	1.90 J	1.80 J
Copper	2.9								61.0	66.0	54.0	70.0	--	26.0	31.0	67.0
Lead	15								0.140 J	0.210 J	0.200 J	0.150 J	--	0.140 J	0.130 J	0.160 J
Selenium	5								0.300 U	0.300 U	0.300 U	0.300 U	--	0.300 U	0.300 U	0.300 U
Thallium	2								0.0500 U	0.0500 U	0.100 U	0.0500 U	--	0.0500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-SIGN401A	D2-SIGN403A	D2-TINK0102	D2-TINK0108	D2-TINK0114	D2-TINK1616	D2-TINK1705	D2-TINK1814
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		401 Signer Boulevard	403 Signer Boulevard	102 Tinker Drive	108 Tinker Drive	114 Tinker Drive	1616 Tinker Avenue	1705 Tinker Avenue	1814 Tinker Avenue
Field Sample ID:		220117-D2-LT05	220116-D2-FT01	220113-D2-ET02	220113-D2-ET03	220117-D2-LT02	220117-D2-IT05	220115-D2-JT05	220111-D2-IT05
Sample Date:		2022-01-17	2022-01-16	2022-01-13	2022-01-13	2022-01-17	2022-01-17	2022-01-15	2022-01-11
Sample Type:		N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels			
			Groundwater	Table D-1A			SDG:	SDG:	SDG:
	2	None	None	None	None	None	C22A034	C22A028 rev1	
Total Organic Carbon							2.54	0.200 U	0.334 J

HC (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels			
			Groundwater	Table D-1A			SDG:	SDG:	SDG:
	200	400	None	None	None	None	5801094311	5801093551	
Petroleum Hydrocarbons (as Diesel)							93.0 U	86.0 U	
Petroleum Hydrocarbons (as Gasoline)							31.0 U	100 UJ	
Petroleum Hydrocarbons (as Motor Oil)							190 U	170 U	
Total Petroleum Hydrocarbons		211	--	--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels			
			Groundwater	Table D-1A			SDG:	SDG:	SDG:
	0.025	0.025	0.025	2	2	2	2A18014	DA40953-DA40953R	
Mercury							0.0170 U	0.0250 U	0.0560 U

METAL (µg/L)	Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Regulatory Constituents	DOH Protection Agency Maximum Contaminant Levels			
			Groundwater	Table D-1A			SDG:	SDG:	SDG:
	6	6	6	6	6	6	2A18014	DA40953-DA40953R	
Antimony							0.0889 U	0.100 U	0.0800 U
Arsenic		10	10	10	10	10	0.264 J	0.500 U	0.890 U
Barium		220	220	2000	2000	2000	1.89	2.20	1.90 J
Beryllium		0.66	0.66	4	4	4	0.0624 U	0.150 U	0.0830 U
Cadmium		3	3	5	5	5	0.0416 U	0.0500 U	0.140 U
Chromium		11	11	100	100	100	1.35	1.90 J	1.70
Copper		2.9	2.9	1300	1300	1300	67.2	79.0	84.0
Lead		15	5.6	15	15	15	0.141 J	0.240 J	0.200 J
Selenium		5	5	50	50	50	1.07	1.60 U	1.60 U
Thallium		2	2	2	2	2	0.0210 U	0.0500 U	0.160 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-TINK1901	D2-TINK1926	D2-TINK2004	D2-WILS0201	D2-WORT0101	D2-WORT0201	D2-WORT0401
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1901 Tinker Avenue	1926 Tinker Avenue	2004 Tinker Avenue	201 Wilson Street	101 Worthington Avenue	201 Worthington Avenue	401 Worthington Avenue
Field Sample ID:	220111-D2-JT05	220111-D2-BT01	220111-D2-GT05	220111-D2-ET02	220115-D2-BT05	220115-D2-JT06	220115-D2-JT04
Sample Date:	2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-15	2022-01-15	2022-01-15
Sample Type:	N	N	N	N	N	N	N

GENCHEM (mg/L)	2	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG: 810119061		SDG: DA40816A_r1		SDG: 810121181		SDG: DA40816A_r1		SDG: C22A025 rev1		SDG: DA40929		SDG: C22A025 rev1	
		Environmental Action Levels		Table D-1A		Groundwater Action Levels		Regulatory Constituents		None		None		None		None		None		None		None	
		None		None		None		None		0.399 J		0.200 U		0.379 J		0.200 U		1.83		--		2.63	
		None		None		None		None		0.399 J		0.200 U		0.379 J		0.200 U		1.83		--		2.63	
		None		None		None		None		0.399 J		0.200 U		0.379 J		0.200 U		1.83		--		2.63	
Total Organic Carbon		2		None		None		None		0.399 J		0.200 U		0.379 J		0.200 U		1.83		--		2.63	
																						7.72	

HC (µg/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
		Environmental Action Levels Table D-1A	Groundwater Action Levels	Regulatory Constituents	Levels	SDG:	SDG:						
200	200	400	None	None	None	5801092541	DA40816A_r1	5801092541	DA40816A_r1	C22A025 rev1	DA40929	DA40953-DA40953R	DA40953-DA40953R
Petroleum Hydrocarbons (as Diesel)		400	None	None	None	90.0 U	190 U	91.0 U	190 U	--	190 U	190 U	190 U
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	None	31.0 U	40.0 U	31.0 U	40.0 U	--	40.0 UJ	40.0 UJ	40.0 UJ
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	None	180 U	100 U	180 U	100 U	--	190 U	190 U	190 UJ
Total Petroleum Hydrocarbons	211		--	--	--	--	--	--	--	--	--	--	--

HG (µg/L)	DOH		Environmental Protection Agency Maximum Contaminant Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents					
	Incident Specific Parameters	Groundwater Action Levels	Table D-1A	Action Levels	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 810119061	SDG: DA40816A_r1	SDG: 810121181	SDG: DA40816A_r1				
											SDG: C22A025 rev1	SDG: DA40929	SDG: DA40953-DA40953R	SDG: DA40953R
0.025	0.025	2	2	0.0560 U	0.100 U	0.0560 U	0.100 U	--	0.0250 UJ	0.0250 U				
Mercury											0.0250 U			

METAL (µg/L)	DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG					
	Incident Specific Parameters	Environmental Action Levels	Table D-1A Groundwater	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810119061	SDG: DA40816A_r1	SDG: 810121181	SDG: DA40816A_r1	SDG: C22A025 rev1	SDG: DA40929	SDG: DA40953-DA40953R	SDG: DA40953-DA40953R
Antimony	6	6			6	6	0.0570 U	0.100 U	0.0570 U	0.100 U	--	0.100 U	0.100 U	0.100 U
Arsenic	10	10			10	10	0.890 U	0.500 U	0.890 U	0.500 U	--	0.500 U	0.500 U	0.500 U
Barium	220	220			2000	2000	1.90 J	1.80 J	1.90 J	1.90 J	--	2.00	2.10	2.10
Beryllium	0.66	0.66			4	4	0.0830 U	0.100 U	0.0830 U	0.100 U	--	0.150 U	0.150 U	0.150 U
Cadmium	3	3			5	5	0.140 U	0.100 U	0.140 U	0.100 U	--	0.0500 U	0.0500 U	0.0500 U
Chromium	11	11			100	100	1.70	2.40 J	1.70	2.30 J	--	1.10 J	1.90 J	1.90 J
Copper	2.9	2.9			1300	1300	28.0	31.0	120	29.0	--	94.0	42.0	33.0
Lead	15	5.6			15	15	0.0880 U	0.200 J	0.0940 J	0.200 J	--	0.950	0.240 J	0.320 J
Selenium	5	5			50	50	1.60 J	0.300 U	1.60 U	0.300 U	--	0.300 U	0.310 J	0.310 J
Thallium	2	2			2	2	0.160 U	0.100 U	0.160 U	0.100 U	--	0.0500 U	0.0500 U	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-WORT0505
Location Type:	Residence
Residence:	505 Worthington Avenue
Field Sample ID:	220116-D2-IT02
Sample Date:	2022-01-16
Sample Type:	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1
Total Organic Carbon	2	None	None	None	3.24

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	190 UJ
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	190 UJ
Total Petroleum Hydrocarbons	211				--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
Mercury	0.025	0.025	2	2	0.0250 UJ

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
Antimony	6	6	6	6	0.100 U
Arsenic	10	10	10	10	0.500 U
Barium	220	220	2000	2000	1.90 J
Beryllium	0.66	0.66	4	4	0.150 U
Cadmium	3	3	5	5	0.0500 UJ
Chromium	11	11	100	100	1.20 J
Copper	2.9	2.9	1300	1300	120
Lead	15	5.6	15	15	0.560
Selenium	5	5	50	50	0.300 U
Thallium	2	2	2	2	0.0500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-10TH0206	D2-10TH0206	D2-10TH0207	D2-11TH0201	D2-11TH0205	D2-11TH0210	D2-12TH212A	D2-13TH0206		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	206 10th Street	206 10th Street	207 10th Street	201 11th Street	205 11th Street	210 11th Street	212 12th Street	206 13th Street		
Field Sample ID:	220115-D2-JT01	220115-D2-JT02	220114-D2-FT02	220115-D2-IT06	220115-D2-HT06	220115-D2-IT01	220111-D2-ET03	220112-D2-ET01		
Sample Date:	2022-01-15	2022-01-15	2022-01-14	2022-01-15	2022-01-15	2022-01-15	2022-01-11	2022-01-12		
Sample Type:	N	FD	N	N	N	N	N	N		

			DOH		Environmental		Environmental			
			Environmental	DOH Safe	DOH Safe	Environmental	Protection	Agency		
			Action Levels	Drinking Water	Drinking Water	Agency	Maximum	Contaminant		
			Table D-1A	Branch (SDWB)	Branch (SDWB)	Maximum	Levels	Levels		
			Groundwater	Regulatory	Regulatory	Regulatory	Contaminant	Contaminant		
			Action Levels	Constituents	Constituents	Constituents	Levels	Levels		
SVOC (µg/L)	Incident Specific Parameters	Action Levels	10	None	None	None	None	None	SDG: 810123691	SDG: 810123581
1-Methylnaphthalene	2.1	10							0.0200 U	0.0200 U
2-Ethylhexyl adipate	None	None							--	--
2-Methylnaphthalene	4.7	10							0.0200 U	0.0200 U
Alachlor	None	None							--	--
Atrazine	None	None							--	--
Benzo(a)pyrene	0.06	0.06		0.2	0.2	0.2	0.2	0.00990 U	0.00980 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3		6	6	6	6	0.590 U	0.590 U	0.390 U
Endrin	None	None		None	None	None	None	None	--	--
gamma-BHC (Lindane)	None	None		None	None	None	None	None	--	--
Heptachlor	None	None		None	None	None	None	None	--	--
Heptachlor epoxide	None	None		None	None	None	None	None	--	--
Hexachlorobenzene	0.0003	0.0003		1	1	1	1	0.00990 U	0.00980 U	0.0200 U
Hexachlorocyclopentadiene	50	None		50	50	50	50	0.00990 U	0.00980 U	0.0400 U
Methoxychlor	None	None		None	None	None	None	None	--	--
Naphthalene	12	17		None	None	None	None	0.0200 U	0.0200 U	0.240 U
Pentachlorophenol	None	None		None	None	None	None	None	--	--
Simazine	None	None		None	None	None	None	None	--	--

			DOH		Environmental		Environmental			
			Environmental	DOH Safe	DOH Safe	Environmental	Protection	Agency		
			Action Levels	Drinking Water	Drinking Water	Agency	Maximum	Contaminant		
			Table D-1A	Branch (SDWB)	Branch (SDWB)	Maximum	Levels	Levels		
			Groundwater	Regulatory	Regulatory	Regulatory	Contaminant	Contaminant		
			Action Levels	Constituents	Constituents	Constituents	Levels	Levels		
VOC (µg/L)	Incident Specific Parameters	Action Levels	11	200	200	200	200	200	SDG: DA40929	SDG: DA40923 D2 RES
1,1,1-Trichloroethane	11	11							0.500 U	0.500 U
1,1,2-Trichloroethane	5	5		3	3	3	3	0.500 U	0.500 U	0.288 U
1,1-Dichloroethene	7	7		7	7	7	7	0.500 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70		70	70	70	70	0.500 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10		600	600	600	600	0.500 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5		5	5	5	5	0.500 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5		5	5	5	5	0.500 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5		75	75	75	None	0.500 U	0.500 U	0.245 U
Benzene	5	5		5	5	5	5	0.500 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5		5	5	5	5	0.500 U	0.500 U	0.165 U
Chlorobenzene	25	25		100	100	100	100	0.500 U	0.500 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID:		D2-13TH0206	D2-13TH0210	D2-14TH0210	D2-15TH212A	D2-16TH0205	D2-17TH0211	D2-18TH0108	D2-18TH0116
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		206 13th Street	210 13th Street	210 14th Street	212A 15th Street	205 16th Street	211 17th Street	108 18th Street	116 18th Street
Field Sample ID:		220114-D2-FT01	220115-D2-IT02	220117-D2-HT04	220111-D2-BT06	220111-D2-BT10	220111-D2-FT04	220113-D2-CT03	220113-D2-GT05
Sample Date:		2022-01-14	2022-01-15	2022-01-17	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13
Sample Type:		N	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 810123581	SDG: DA40953-DA40953R	SDG: 810124441	SDG: DA40816A_r1	SDG: 810123631_Rev	SDG: 810119061	SDG: 810122601	SDG: 810122601	SDG: 810122601	SDG: 810122601
SVOC (µg/L)	2.1	10	None	0.0200 U	0.240 U	0.0190 U	0.240 UJ	0.0200 UJ	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
1-Methylnaphthalene			None	--	--	--	--	--	--	--	--	--	--
2-Ethylhexyl adipate	None	None	None										
2-Methylnaphthalene	4.7	10	None	0.0200 U	0.240 U	0.0190 U	0.240 UJ	0.0200 UJ	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Alachlor	None	None	None	--	--	--	--	--	--	--	--	--	--
Atrazine	None	None	None	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.00980 U	0.00950 U	0.00970 U	0.00960 U	0.0100 UJ	0.00990 U	0.00980 U	0.00990 U	0.00990 U	0.00990 U
Bis(2-ethylhexyl)phthalate	3	3	6	0.590 U	0.380 U	0.580 U	0.380 U	0.610 UJ	0.590 U	0.590 U	0.590 U	0.600 U	0.600 U
Endrin	None	None	None	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None	None	--	--	--	--	--	--	--	--	--	--
Heptachlor	None	None	None	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	None	None	None	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	0.00980 U	0.0200 U	0.00970 U	0.0200 U	0.0100 UJ	0.00990 U	0.00980 U	0.00990 U	0.00990 U	0.00990 U
Hexachlorocyclopentadiene	50	None	50	0.00980 U	0.0400 U	0.00970 U	0.0400 U	0.0100 UJ	0.00990 U	0.00980 U	0.00990 U	0.00990 U	0.00990 U
Methoxychlor	None	None	None	--	--	--	--	--	--	--	--	--	--
Naphthalene	12	17	None	0.0200 U	0.240 U	0.0190 U	0.240 UJ	0.0200 UJ	0.0200 U	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Pentachlorophenol	None	None	None	--	--	--	--	--	--	--	--	--	--
Simazine	None	None	None	--	--	--	--	--	--	--	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40923 D2 RES	SDG: DA40953-DA40953R	SDG: 810124441	SDG: C22A008	SDG: C22A008	SDG: C22A008 Rev3	SDG: C22A014rev2 D2 only	SDG: C22A014rev2 D2 only	SDG: C22A014rev2 D2 only	SDG: C22A014rev2 D2 only
VOC (µg/L)	11	11	200	0.500 U	0.500 U	0.200 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,1-Trichloroethane			200	0.500 U	0.500 U	0.200 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	5	0.500 U	0.500 U	0.200 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	0.500 U	0.500 U	0.200 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	0.500 U	0.500 U	0.200 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	0.500 U	0.500 U	0.200 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	0.500 U	0.500 U	0.200 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	0.500 U	0.500 U	0.200 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	0.500 U	0.500 U	0.200 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	0.500 U	0.500 U	0.200 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	0.500 U	0.500 U	0.100 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	0.500 U	0.500 U	0.200 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:		D2-18TH0116	D2-18TH0121	D2-18TH0129	D2-18TH0129	D2-18TH0139	D2-19TH0018	D2-19TH0101	D2-19TH0109
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		116 18th Street	121 18th Street	129 18th Street	129 18th Street	139 18th Street	18 19th Street	101 19th Street	109 19th Street
Field Sample ID:		220113-D2-GT06	220113-D2-CT01	220112-D2-JT08	220112-D2-JT09	220117-D2-AT05	220111-D2-GT07	220113-D2-ET01	220112-D2-JT04
Sample Date:		2022-01-13	2022-01-13	2022-01-12	2022-01-12	2022-01-17	2022-01-11	2022-01-13	2022-01-12
Sample Type:		FD	N	FD	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Specific Parameters	Action Levels				SDG: 810122601	SDG: 810123671	SDG: 810123671	SDG: 810122601
1-Methylnaphthalene	2.1	10	None	None	None	0.0200 U	0.0200 U	0.0200 U	0.0200 U
2-Ethylhexyl adipate	None	None	None	None	None	--	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Alachlor	None	None	None	None	None	--	--	--	--
Atrazine	None	None	None	None	None	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00990 U	0.00980 U	0.00980 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.590 U	0.590 U	0.570 U	0.600 U
Endrin	None	None	None	None	None	--	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	--	--	--	--
Heptachlor	None	None	None	None	None	--	--	--	--
Heptachlor epoxide	None	None	None	None	None	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	0.00990 U	0.00980 U	0.00950 U	0.0100 U
Hexachlorocyclopentadiene	50	None	50	50	50	0.00990 U	0.00980 U	0.00950 U	0.0100 U
Methoxychlor	None	None	None	None	None	--	--	--	--
Naphthalene	12	17	None	None	None	0.0200 U	0.0200 U	0.0200 U	0.0200 U
Pentachlorophenol	None	None	None	None	None	--	--	--	--
Simazine	None	None	None	None	None	--	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Specific Parameters	Action Levels				SDG: C22A014rev2 D2 only	SDG: C22A010	SDG: C22A010	SDG: C22A014rev2 D2 only
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-19TH0111	D2-19TH0111	D2-19TH0140	D2-19TH0140	D2-19TH0192	D2-19TH0203	D2-19TH0204	D2-19TH0205		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	111 19th Street	111 19th Street	140 19th Street	140 19th Street	192 19th Street	203 19th Street	204 19th Street	205 19th Street		
Field Sample ID:	20220114-D2-IT05	220114-D2-IT04	220112-D2-AT04	220112-D2-AT06	220112-D2-JT01	220112-D2-GT04	220112-D2-IT01	220117-D2-AT06		
Sample Date:	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-12	2022-01-12	2022-01-12	2022-01-17		
Sample Type:	N	N	N	FD	N	N	N	N		

			DOH		Environmental		Environmental			
			Environmental	DOH Safe	DOH Safe	Environmental	Protection	Protection		
			Action Levels	Drinking Water	Drinking Water	Agency	Agency	Agency		
			Table D-1A	Branch (SDWB)	Branch (SDWB)	Maximum	Maximum	Maximum		
			Groundwater	Regulatory	Regulatory	Contaminant	Contaminant	Contaminant		
			Action Levels	Constituents	Constituents	Levels	Levels	Levels		
SVOC (µg/L)	Incident Specific Parameters	Action Levels	DOH	DOH Safe	DOH Safe	Environmental	Protection	Protection		
1-Methylnaphthalene	2.1	10	None	None	None	None	None	None	0.0200 U	0.0190 U
2-Ethylhexyl adipate	None	None	None	None	None	None	None	None	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	None	None	0.0190 U	0.0190 U
Alachlor	None	None	None	None	None	None	None	None	--	--
Atrazine	None	None	None	None	None	None	None	None	--	--
Benzo(a)pyrene	0.06	0.06	0.06	0.2	0.2	0.2	0.2	0.00960 U	0.00980 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	6	0.580 U	0.590 U	0.580 U
Endrin	None	None	None	None	None	None	None	None	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	None	None	--	--
Heptachlor	None	None	None	None	None	None	None	None	--	--
Heptachlor epoxide	None	None	None	None	None	None	None	None	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	1	1	0.00960 U	0.00980 U	0.00970 U
Hexachlorocyclopentadiene	50	None	50	50	50	50	50	0.00960 U	0.00980 U	0.00970 U
Methoxychlor	None	None	None	None	None	None	None	None	--	--
Naphthalene	12	17	None	None	None	None	None	0.0190 U	0.0200 U	0.0190 U
Pentachlorophenol	None	None	None	None	None	None	None	None	--	--
Simazine	None	None	None	None	None	None	None	None	--	--

			DOH		Environmental		Environmental			
			Environmental	DOH Safe	DOH Safe	Environmental	Protection	Protection		
			Action Levels	Drinking Water	Drinking Water	Agency	Agency	Agency		
			Table D-1A	Branch (SDWB)	Branch (SDWB)	Maximum	Maximum	Maximum		
			Groundwater	Regulatory	Regulatory	Contaminant	Contaminant	Contaminant		
			Action Levels	Constituents	Constituents	Levels	Levels	Levels		
VOC (µg/L)	Incident Specific Parameters	Action Levels	DOH	DOH Safe	DOH Safe	Environmental	Protection	Protection		
1,1,1-Trichloroethane	11	11	200	200	200	200	200	200	0.119 U	0.200 U
1,1,2-Trichloroethane	5	5	3	3	3	3	3	0.288 U	0.288 U	0.200 U
1,1-Dichloroethene	7	7	7	7	7	7	7	0.128 U	0.128 U	0.200 U
1,2,4-Trichlorobenzene	70	70	70	70	70	70	70	0.318 U	0.318 U	0.200 U
1,2-Dichlorobenzene	10	10	600	600	600	600	600	0.272 U	0.272 U	0.200 U
1,2-Dichloroethane	5	5	5	5	5	5	5	0.0884 U	0.0884 U	0.200 U
1,2-Dichloropropane	5	5	5	5	5	5	5	0.129 U	0.129 U	0.200 U
1,4-Dichlorobenzene	5	5	75	75	75	None	None	0.245 U	0.245 U	0.200 U
Benzene	5	5	5	5	5	5	5	0.0846 U	0.0846 U	0.200 U
Carbon Tetrachloride	5	5	5	5	5	5	5	0.165 U	0.165 U	0.100 U
Chlorobenzene	25	25	100	100	100	100	100	0.146 U	0.146 U	0.200 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID:	D2-19TH1803		D2-19TH1809	D2-1ST0122	D2-1ST0122	D2-1ST0202	D2-20TH0117	D2-20TH0117
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1803 19th Way		1809 19th Way	122 1st Street	122 1st Street	202 1st Street	117 20th Street	117 20th Street
Field Sample ID:	220111-D2-JT06		220111-D2-JT01	22220114-D2-JT01	220114-D2-JT01	220117-D2-LT03	220113-D2-ET05	220113-D2-ET08
Sample Date:	2022-01-11		2022-01-11	2022-01-14	2022-01-14	2022-01-17	2022-01-13	2022-01-13
Sample Type:	N		N	N	N	N	N	FD

		DOH		DOH Safe		Environmental		Environmental	
		Incident Specific Parameters	Environmental Action Levels Table D-1A Groundwater Action Levels	Drinking Water Branch (SDWB) Regulatory Constituents	Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	SDG:	SDG:
SVOC (µg/L)	2.1	10	None	None	None	None	None	810119061	810122601
1-Methylnaphthalene								0.0200 U	0.0200 U
2-Ethylhexyl adipate	None	None	None	None	None	None	None	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	None	0.0200 U	0.0200 U
Alachlor	None	None	None	None	None	None	None	--	--
Atrazine	None	None	None	None	None	None	None	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.2	0.00980 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	6	0.590 U	0.590 U
Endrin	None	None	None	None	None	None	None	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	None	--	--
Heptachlor	None	None	None	None	None	None	None	--	--
Heptachlor epoxide	None	None	None	None	None	None	None	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	1	1	0.00980 U	0.00980 U
Hexachlorocyclopentadiene	50	None	50	50	50	50	50	0.00980 U	0.00980 U
Methoxychlor	None	None	None	None	None	None	None	--	--
Naphthalene	12	17	None	None	None	None	None	0.0190 U	0.0200 U
Pentachlorophenol	None	None	None	None	None	None	None	--	--
Simazine	None	None	None	None	None	None	None	--	--

		DOH		DOH Safe		Environmental		Environmental	
		Incident Specific Parameters	Environmental Action Levels Table D-1A Groundwater Action Levels	Drinking Water Branch (SDWB) Regulatory Constituents	Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	SDG:	SDG:
VOC (µg/L)	11	11	200	200	200	200	200	810123581	810122601
1,1,1-Trichloroethane								0.0190 U	0.0200 U
1,1,2-Trichloroethane	5	5	3	3	3	3	3	5.00 U	--
1,1-Dichloroethene	7	7	7	7	7	7	7	0.0110 U	--
1,2,4-Trichlorobenzene	70	70	70	70	70	70	70	0.00960 U	0.00980 U
1,2-Dichlorobenzene	10	10	600	600	600	600	600	0.437 UJ	0.590 U
1,2-Dichloroethane	5	5	5	5	5	5	5	0.00965 U	--
1,2-Dichloropropane	5	5	5	5	5	5	5	0.00633 U	--
1,4-Dichlorobenzene	5	5	75	75	75	75	75	0.00991 U	--
Benzene	5	5	5	5	5	5	5	0.0117 UJ	0.00980 U
Carbon Tetrachloride	5	5	5	5	5	5	5	0.437 UJ	0.590 U
Chlorobenzene	25	25	100	100	100	100	100	0.00991 U	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-20TH0124	D2-20TH0145	D2-20TH0155	D2-21ST0101	D2-21ST0123	D2-21ST0132	D2-2ND0112	D2-2ND0208
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	124 20th Street	145 20th Street	155 20th Street	101 21st Street	123 21st Street	132 21st Street	112 2nd Street	208 2nd Street
Field Sample ID:	220112-D2-FT11	220112-D2-AT08	220112-D2-FT05	220111-D2-GT03	220117-D2-IT03	220111-D2-AT14	220115-D2-BT06	220116-D2-AT08
Sample Date:	2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-17	2022-01-11	2022-01-15	2022-01-16
Sample Type:	N	N	N	N	N	N	N	N

		DOH		Environmental		Environmental		Protection	
		Environmental		Action Levels		DOH Safe		Agency	
		Table D-1A		Groundwater		Drinking Water		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
SVOC (µg/L)	2.1	10	None	None	None	None	None	None	None
1-Methylnaphthalene	None	None	None	None	None	None	None	None	None
2-Ethylhexyl adipate	4.7	10	None	None	None	None	None	None	None
2-Methylnaphthalene	None	None	None	None	None	None	None	None	None
Alachlor	None	None	None	None	None	None	None	None	None
Atrazine	0.06	0.06	0.2	0.00980 U	0.00970 U	0.00980 U	0.00950 U	0.00980 U	0.00950 U
Benzo(a)pyrene	3	3	6	0.590 U	0.580 U	0.590 U	0.380 U	0.590 U	0.380 U
Bis(2-ethylhexyl)phthalate	None	None	None	None	None	None	None	None	None
Endrin	None	None	None	None	None	None	None	None	None
gamma-BHC (Lindane)	None	None	None	None	None	None	None	None	None
Heptachlor	None	None	None	None	None	None	None	None	None
Heptachlor epoxide	None	None	None	None	None	None	None	None	None
Hexachlorobenzene	0.0003	0.0003	1	0.00980 U	0.00970 U	0.00980 U	0.0200 U	0.00980 U	0.0200 U
Hexachlorocyclopentadiene	50	None	50	0.00980 U	0.00970 U	0.00980 U	0.0400 U	0.00980 U	0.0400 U
Methoxychlor	None	None	None	None	None	None	None	None	None
Naphthalene	12	17	None	0.0200 U	0.0190 U	0.0200 U	0.240 U	0.0200 U	0.240 U
Pentachlorophenol	None	None	None	None	None	None	None	None	None
Simazine	None	None	None	None	None	None	None	None	None

		DOH		Environmental		DOH Safe		Agency	
		Action Levels		Groundwater		Drinking Water		Maximum	
		Table D-1A		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
VOC (µg/L)	11	11	200	0.119 U	0.119 U	0.119 U	0.119 U	0.500 U	0.500 U
1,1,1-Trichloroethane	5	5	3	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U	0.500 U
1,1,2-Trichloroethane	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	10	10	600	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	0.500 U
1,2-Dichlorobenzene	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U	0.500 U
1,2-Dichloropropane	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U	0.500 U
1,4-Dichlorobenzene	5	5	75	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U	0.500 U
Benzene	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U	0.500 U
Carbon Tetrachloride	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U	0.500 U
Chlorobenzene	25	25	100	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U	0.500 U

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D2 Zone Residential DW Sampling
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Location ID:	D2-3RD0111	D2-3RD0111	D2-3RD0212	D2-4TH0118	D2-4TH0127	D2-5TH0101
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	111 3rd Street	111 3rd Street	212 3rd Street	118 4th Street	127 4th Street	101 5th Street
Field Sample ID:	220113-D2-FT05	220115-D2-ET01	220115-D2-IT03	220114-D2-JT05	220113-D2-FT04	220116-D2-FT03
Sample Date:	2022-01-13	2022-01-15	2022-01-15	2022-01-14	2022-01-13	2022-01-16
Sample Type:	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1-Methylnaphthalene	2.1	10	None	None	None	None	0.0200 U	0.240 U	0.0200 U
2-Ethylhexyl adipate	None	None	None	None	None	None	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	0.0200 U	0.240 U	0.240 U
Alachlor	None	None	None	None	None	None	--	--	--
Atrazine	None	None	None	None	None	None	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.00980 U	0.00950 U	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	0.590 U	0.380 U	0.590 U
Endrin	None	None	None	None	None	None	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	--	--	--
Heptachlor	None	None	None	None	None	None	--	--	--
Heptachlor epoxide	None	None	None	None	None	None	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	1	0.00980 U	0.0200 U	0.00980 U
Hexachlorocyclopentadiene	50	None	50	50	50	50	0.00980 U	0.0400 U	0.00980 U
Methoxychlor	None	None	None	None	None	None	--	--	--
Naphthalene	12	17	None	None	None	None	0.0200 U	0.240 U	0.0200 U
Pentachlorophenol	None	None	None	None	None	None	--	--	--
Simazine	None	None	None	None	None	None	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1,1,1-Trichloroethane	11	11	200	200	200	200	0.119 U	0.500 U	0.119 U
1,1,2-Trichloroethane	5	5	3	3	5	5	0.288 U	0.500 U	0.288 U
1,1-Dichloroethene	7	7	7	7	7	7	0.128 U	0.500 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	70	70	0.318 U	0.500 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	600	600	0.272 U	0.500 U	0.272 U
1,2-Dichloroethane	5	5	5	5	5	5	0.0884 U	0.500 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	5	5	0.129 U	0.500 U	0.129 U
1,4-Dichlorobenzene	5	5	75	75	None	None	0.245 U	0.500 U	0.245 U
Benzene	5	5	5	5	5	5	0.0846 U	0.500 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	5	5	0.165 U	0.500 U	0.165 U
Chlorobenzene	25	25	100	100	100	100	0.146 U	0.500 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-5TH0113		D2-5TH0113	D2-5TH0123	D2-5TH0206	D2-6TH0201	D2-6TH0203	D2-6TH0301	D2-AIMO0138
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	113 5th Street		113 5th Street	123 5th Street	206 5th Street	201 6th Street	203 6th Street	301 6th Street	138 Aimokulani Alley
Field Sample ID:	20220114-D2-IT03		220114-D2-IT03	220115-D2-HT01	220117-D2-LT01	220116-D2-AT03	220116-D2-AT04	220116-D2-AT09	220111-D2-AT08
Sample Date:	2022-01-14		2022-01-14	2022-01-15	2022-01-17	2022-01-16	2022-01-16	2022-01-16	2022-01-11
Sample Type:	N		N	N	N	N	N	N	N

DOH			Environmental			Environmental			Environmental		
Incident Specific Parameters			Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels
SVOC (µg/L)	2.1	10	10	None	None	None	None	None	None	None	None
1-Methylnaphthalene											
2-Ethylhexyl adipate	None	None	None	None	None	None	None	None	None	None	None
2-Methylnaphthalene	4.7	10	10	None	None	None	None	None	None	None	None
Alachlor	None	None	None	None	None	None	None	None	None	None	None
Atrazine	None	None	None	None	None	None	None	None	None	None	None
Benzo(a)pyrene	0.06	0.06	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bis(2-ethylhexyl)phthalate	3	3	3	6	6	6	6	6	6	6	6
Endrin	None	None	None	None	None	None	None	None	None	None	None
gamma-BHC (Lindane)	None	None	None	None	None	None	None	None	None	None	None
Heptachlor	None	None	None	None	None	None	None	None	None	None	None
Heptachlor epoxide	None	None	None	None	None	None	None	None	None	None	None
Hexachlorobenzene	0.0003	0.0003	0.0003	1	1	1	1	1	1	1	1
Hexachlorocyclopentadiene	50	None	None	50	50	50	50	50	50	50	50
Methoxychlor	None	None	None	None	None	None	None	None	None	None	None
Naphthalene	12	17	17	None	None	None	None	None	None	None	None
Pentachlorophenol	None	None	None	None	None	None	None	None	None	None	None
Simazine	None	None	None	None	None	None	None	None	None	None	None

DOH			Environmental			Environmental			Environmental		
Incident Specific Parameters			Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels	Agency Maximum Contaminant Levels
VOC (µg/L)	11	11	11	200	200	200	200	200	200	200	200
1,1,1-Trichloroethane	5	5	5	3	3	3	3	3	3	3	3
1,1,2-Trichloroethane	7	7	7	7	7	7	7	7	7	7	7
1,2-Dichlorobenzene	10	10	10	600	600	600	600	600	600	600	600
1,2-Dichloroethane	5	5	5	5	5	5	5	5	5	5	5
1,2-Dichloropropane	5	5	5	5	5	5	5	5	5	5	5
1,4-Dichlorobenzene	5	5	5	75	75	75	75	75	75	75	75
Benzene	5	5	5	5	5	5	5	5	5	5	5
Carbon Tetrachloride	5	5	5	5	5	5	5	5	5	5	5
Chlorobenzene	25	25	25	100	100	100	100	100	100	100	100

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-AIMO0138	D2-AIMO0138	D2-APOL0124	D2-APOL0352	D2-APOL0358	D2-APOL0641	D2-BEAR0101	D2-BEAR0101
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	138 Aimokulani Alley	138 Aimokulani Alley	124 Apollo Avenue	352 Apollo Avenue	358 Apollo Avenue	641 Apollo Avenue	101 Beard Avenue	101 Beard Avenue
Field Sample ID:	220111-D2-AT10	220111-D2-AT12	220111-D2-AT04	220111-D2-IT03	220113-D2-ET09	220113-D2-GT01	220115-D2-BT01	220115-D2-BT02
Sample Date:	2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13	2022-01-15	2022-01-15
Sample Type:	FD	N	N	N	N	N	N	FD

		DOH		Environmental		Environmental		Protection	
		Environmental		Action Levels		DOH Safe		Agency	
		Table D-1A		Groundwater		Drinking Water		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
SVOC (µg/L)	2.1	10	None	None	None	None	None	None	None
1-Methylnaphthalene									
2-Ethylhexyl adipate	None	None	None	None	None	None	None	None	None
2-Methylnaphthalene	4.7	10	None	None	None	None	None	None	None
Alachlor	None	None	None	None	None	None	None	None	None
Atrazine	None	None	None	None	None	None	None	None	None
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	6	6	6
Endrin	None	None	None	None	None	None	None	None	None
gamma-BHC (Lindane)	None	None	None	None	None	None	None	None	None
Heptachlor	None	None	None	None	None	None	None	None	None
Heptachlor epoxide	None	None	None	None	None	None	None	None	None
Hexachlorobenzene	0.0003	0.0003	1	1	1	1	1	1	1
Hexachlorocyclopentadiene	50	None	50	50	50	50	50	50	50
Methoxychlor	None	None	None	None	None	None	None	None	None
Naphthalene	12	17	None	None	None	None	None	None	None
Pentachlorophenol	None	None	None	None	None	None	None	None	None
Simazine	None	None	None	None	None	None	None	None	None

		DOH		Environmental		DOH Safe		Environmental	
		Action Levels		Table D-1A		Drinking Water		Agency	
		Groundwater		Action Levels		Regulatory		Maximum	
		Incident Specific		Parameters		Constituents		Contaminant	
		Parameters		Action Levels		Constituents		Levels	
VOC (µg/L)	11	11	200	200	200	200	200	200	200
1,1,1-Trichloroethane	5	5	3	3	3	3	3	3	3
1,1,2-Trichloroethane	7	7	7	7	7	7	7	7	7
1,2-Dichlorobenzene	10	10	600	600	600	600	600	600	600
1,2-Dichlorobenzene	5	5	5	5	5	5	5	5	5
1,2-Dichloropropane	5	5	5	5	5	5	5	5	5
1,4-Dichlorobenzene	5	5	75	75	75	75	75	75	75
Benzene	5	5	5	5	5	5	5	5	5
Carbon Tetrachloride	5	5	5	5	5	5	5	5	5
Chlorobenzene	25	25	100	100	100	100	100	100	100

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:		D2-BEAR0211	D2-BEAR0702	D2-BEAR0702	D2-BEAR503A	D2-BLDG0017	D2-BLDG1102H
Location Type:		Residence	Residence	Residence	Residence	Non-Residence	Non-Residence
Residence:		211 Beard Avenue	702 Beard Avenue	702 Beard Avenue	503 Beard Avenue	Building 17.MOBDIVSALVU ONE OPS/HDQTRS, 1092 Fort Kam Rd	Building 1102H.HEADQUARTE RS MAJOR COMMAND, 25E St
Field Sample ID:		220115-D2-IT05	220117-D2-AT04	220118-D2-MT09	220114-D2-FT03	220116-D2-KT05	220117-D2-JT05
Sample Date:		2022-01-15	2022-01-17	2022-01-18	2022-01-14	2022-01-16	2022-01-17
Sample Type:		N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels	
Incident Specific Parameters	Action Levels	Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA40953-DA40953R	SDG: 810124441	SDG: DA41079
SVOC (µg/L)	10	2.1	10	None	0.240 U	0.0200 U	0.240 U
1-Methylnaphthalene				None	--	--	0.0190 U
2-Ethylhexyl adipate	None		None	None	--	--	--
2-Methylnaphthalene	10	4.7	10	None	0.240 U	0.0200 U	0.0190 U
Alachlor	None		None	None	--	--	--
Atrazine	None		None	None	--	--	--
Benzo(a)pyrene	0.06		0.06	0.2	0.00970 U	0.00990 U	0.00970 UJ
Bis(2-ethylhexyl)phthalate	3		3	6	0.390 U	0.590 U	0.380 U
Endrin	None		None	None	--	--	--
gamma-BHC (Lindane)	None		None	None	--	--	--
Heptachlor	None		None	None	--	--	--
Heptachlor epoxide	None		None	None	--	--	--
Hexachlorobenzene	0.0003		0.0003	1	0.0200 U	0.00990 U	0.0200 U
Hexachlorocyclopentadiene	50		None	50	0.0400 U	0.00990 U	0.0400 U
Methoxychlor	None		None	None	--	--	--
Naphthalene	12		17	None	0.240 U	0.0200 U	0.240 U
Pentachlorophenol	None		None	None	--	--	--
Simazine	None		None	None	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels	
Incident Specific Parameters	Action Levels	Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: DA40953-DA40953R	SDG: 810124441	SDG: C22A038Rev2
VOC (µg/L)	11	11	11	200	0.500 U	0.200 U	0.500 U
1,1,1-Trichloroethane				200	--	0.500 U	0.500 U
1,1,2-Trichloroethane	5		5	3	0.500 U	0.200 U	0.500 U
1,1-Dichloroethene	7		7	7	0.500 U	0.200 U	0.500 U
1,2,4-Trichlorobenzene	70		70	70	0.500 U	0.200 U	0.500 U
1,2-Dichlorobenzene	10		10	600	0.500 U	0.200 U	0.500 U
1,2-Dichloroethane	5		5	5	0.500 U	0.200 U	0.500 U
1,2-Dichloropropane	5		5	5	0.500 U	0.200 U	0.500 U
1,4-Dichlorobenzene	5		5	75	0.500 U	0.200 U	0.500 U
Benzene	5		5	5	0.500 U	0.200 U	0.500 U
Carbon Tetrachloride	5		5	5	0.500 U	0.100 U	0.500 U
Chlorobenzene	25		25	100	0.500 U	0.200 U	0.500 U

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Location ID:	D2-BLDG1120H	D2-BLDG1166H	D2-BLDG1200H	D2-BLDG1222H	D2-BLDG1235H	D2-BLDG2030H	D2-BLDG2050H
Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:	Building 1120H,HICKAM MEMORIAL FITNESS CENTER, 1120 Vickers Ave	Building 1166H,NGIS - NAVY TDY	Building 1200H,BASE ENGINEER ADMINISTRATION, 75 H Street	Building 1204H,BASE ENGINEER ADMINISTRATION Ave	Building 1235H,EXHANGE SALES STORE (BXTRA), 20 Hickam Ct	Building 2030H,ENGINE MAINT SHOP, HGR 15&17C, 300 Hangar Ave	Building 2050H,BASE OPERATIONS, 800 Hangar Ave
Field Sample ID:	220116-D2-HT03	220116-D2-JT02	220116-D2-JT01	220116-D2-JT04	220117-D2-JT01	220116-D2-KT01	220116-D2-KT02
Sample Date:	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-17	2022-01-16	2022-01-16
Sample Type:	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1-Methylnaphthalene	2.1	10	None	None	DA40953-DA40953R	0.240 U	None	DA40953-DA40953R	0.240 U
2-Ethylhexyl adipate	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
2-Methylnaphthalene	4.7	10	None	None	DA40953-DA40953R	0.240 U	None	DA40953-DA40953R	0.240 U
Alachlor	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Atrazine	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	DA40953-DA40953R	0.00960 U	0.2	DA40953-DA40953R	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	DA40953-DA40953R	0.380 U	6	DA40953-DA40953R	0.380 U
Endrin	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
gamma-BHC (Lindane)	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Heptachlor	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Heptachlor epoxide	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Hexachlorobenzene	0.0003	0.0003	1	1	DA40953-DA40953R	0.0200 U	1	DA40953-DA40953R	0.0200 U
Hexachlorocyclopentadiene	50	None	50	50	DA40953-DA40953R	0.0400 U	50	DA40953-DA40953R	0.0400 U
Methoxychlor	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Naphthalene	12	17	None	None	DA40953-DA40953R	0.240 U	None	DA40953-DA40953R	0.240 U
Pentachlorophenol	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--
Simazine	None	None	None	None	DA40953-DA40953R	--	None	DA40953-DA40953R	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1,1,1-Trichloroethane	11	11	200	200	DA40953-DA40953R	0.500 U	200	DA40953-DA40953R	0.500 U
1,1,2-Trichloroethane	5	5	3	3	DA40953-DA40953R	0.500 U	5	DA40953-DA40953R	0.500 U
1,1-Dichloroethene	7	7	7	7	DA40953-DA40953R	0.500 U	7	DA40953-DA40953R	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	DA40953-DA40953R	0.500 U	70	DA40953-DA40953R	0.500 U
1,2-Dichlorobenzene	10	10	600	600	DA40953-DA40953R	0.500 U	600	DA40953-DA40953R	0.500 U
1,2-Dichloroethane	5	5	5	5	DA40953-DA40953R	0.500 U	5	DA40953-DA40953R	0.500 U
1,2-Dichloropropane	5	5	5	5	DA40953-DA40953R	0.500 U	5	DA40953-DA40953R	0.500 U
1,4-Dichlorobenzene	5	5	75	75	DA40953-DA40953R	0.500 U	None	DA40953-DA40953R	0.500 U
Benzene	5	5	5	5	DA40953-DA40953R	0.500 U	5	DA40953-DA40953R	0.500 U
Carbon Tetrachloride	5	5	5	5	DA40953-DA40953R	0.500 U	5	DA40953-DA40953R	0.500 U
Chlorobenzene	25	25	100	100	DA40953-DA40953R	0.500 U	100	DA40953-DA40953R	0.500 U

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Location ID:		D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2073H	D2-BLDG2093H	D2-BLDG425H
Location Type:		Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:		Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2073H,EXCHANGE SERVICE OUTLET, 2073 Hangar Ave	Building 2093H,STORE, COMMISSARY, 20 Hickam Ct	Building 425H,SWIMMERS BATH HOUSE
Field Sample ID:		220116-D2-HT06	220116-D2-HT07	220117-D2-JT04	220118-D2-IT06	220117-D2-JT06	220117-D2-JT02	220116-D2-HT04
Sample Date:		2022-01-16	2022-01-16	2022-01-17	2022-01-18	2022-01-17	2022-01-17	2022-01-16
Sample Type:		N	FD	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1-Methylnaphthalene	2.1	10	None	None	None	None	0.240 U	0.0190 U	0.0200 U
2-Ethylhexyl adipate	None	None	None	None	None	None	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	0.240 U	0.0190 U	0.0200 U
Alachlor	None	None	None	None	None	None	--	--	--
Atrazine	None	None	None	None	None	None	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00950 U	0.00960 U	0.00970 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.380 U	0.380 U	0.580 U	0.590 U
Endrin	None	None	None	None	None	None	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	--	--	--
Heptachlor	None	None	None	None	None	None	--	--	--
Heptachlor epoxide	None	None	None	None	None	None	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	0.0200 U	0.0200 U	0.00970 U	0.00980 U
Hexachlorocyclopentadiene	50	None	50	50	50	0.0400 U	0.0400 U	0.00970 U	0.00980 U
Methoxychlor	None	None	None	None	None	None	--	--	--
Naphthalene	12	17	None	None	None	0.240 U	0.240 U	0.0190 U	0.0200 U
Pentachlorophenol	None	None	None	None	None	None	--	--	--
Simazine	None	None	None	None	None	None	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Specific Parameters	Action Levels						SDG:	SDG:
1,1,1-Trichloroethane	11	11	200	200	200	0.500 U	0.500 U	0.200 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	5	0.500 U	0.500 U	0.200 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	0.500 U	0.500 U	0.200 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.500 U	0.500 U	0.200 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	0.500 U	0.500 U	0.200 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.500 U	0.500 U	0.200 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.500 U	0.500 U	0.200 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.500 U	0.500 U	0.200 U	0.500 U
Benzene	5	5	5	5	5	0.500 U	0.500 U	0.200 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.500 U	0.500 U	0.100 U	0.500 U
Chlorobenzene	25	25	100	100	100	0.500 U	0.500 U	0.200 U	0.750

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Location ID:	D2-BLDG425H		D2-BLDG500H	D2-BLDG554H	D2-BLDG559H	D2-BLDG595H	D2-BLDG613H	D2-BLDG613H
Location Type:	Non-Residence		Non-Residence	Medical Building	Medical Building	Non-Residence	School	School
Residence:	Building 425H,SWIMMERS BATH HOUSE		Building 500H,RELIGIOUS WORSHIP FACILITY, 925 Scott Cir	Building 554H,OCCUPATIONA L HEALTH CLINIC - AIR FORCE, 750 West Signer Blvd	Building 559H,MEDICAL/DENT AL CLINIC - AIR Circle	Building 595H,BASE LIBRARY, 990 Mills Blvd	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A
Field Sample ID:	220118-D2-MT10	220117-D2-JT03	220116-D2-JT06	220116-D2-JT05	220116-D2-HT01	220114-D2-CT01	220114-D2-CT04	20220114-D2-FT04
Sample Date:	2022-01-18	2022-01-17	2022-01-16	2022-01-16	2022-01-16	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N	N	N	N	N	N

		DOH		Environmental		Environmental		Protection	
		Environmental	DOH Safe	DOH Safe	DOH Safe	Agency	Agency	Agency	Agency
		Action Levels	Drinking Water	Drinking Water	Drinking Water	Maximum	Maximum	Maximum	Maximum
		Table D-1A	Branch (SDWB)	Branch (SDWB)	Branch (SDWB)	Contaminant	Contaminant	Contaminant	Contaminant
		Action Levels	Regulatory	Regulatory	Regulatory	Levels	Levels	Levels	Levels
SVOC (µg/L)	Incident Specific Parameters	Action Levels	Constituents	Constituents	Constituents	SDG: DA41079	SDG: 810124441	SDG: DA40986	SDG: DA40953-DA40953R
1-Methylnaphthalene	2.1	10	None	None	None	0.250 U	0.0200 U	0.240 U	--
2-Ethylhexyl adipate	None	None	None	None	None	--	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	0.250 U	0.0200 U	0.240 U	--
Alachlor	None	None	None	None	None	--	--	--	--
Atrazine	None	None	None	None	None	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00990 U	0.00980 U	0.00960 U	--
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.390 U	0.590 U	0.380 U	--
Endrin	None	None	None	None	None	--	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	--	--	--	--
Heptachlor	None	None	None	None	None	--	--	--	--
Heptachlor epoxide	None	None	None	None	None	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	0.0200 U	0.00980 U	0.0200 U	--
Hexachlorocyclopentadiene	50	None	50	50	50	0.0400 U	0.00980 U	0.0400 U	--
Methoxychlor	None	None	None	None	None	--	--	--	--
Naphthalene	12	17	None	None	None	0.250 U	0.0200 U	0.240 U	--
Pentachlorophenol	None	None	None	None	None	--	--	--	--
Simazine	None	None	None	None	None	--	--	--	--

		DOH		Environmental		Environmental		Protection	
		Environmental	DOH Safe	DOH Safe	DOH Safe	Agency	Agency	Agency	Agency
		Action Levels	Drinking Water	Drinking Water	Drinking Water	Maximum	Maximum	Maximum	Maximum
		Table D-1A	Branch (SDWB)	Branch (SDWB)	Branch (SDWB)	Contaminant	Contaminant	Contaminant	Contaminant
		Action Levels	Regulatory	Regulatory	Regulatory	Levels	Levels	Levels	Levels
VOC (µg/L)	Incident Specific Parameters	Action Levels	Constituents	Constituents	Constituents	SDG: C22A038Rev2	SDG: 810124441	SDG: DA40986	SDG: DA40953-DA40953R
1,1,1-Trichloroethane	11	11	200	200	200	0.119 U	0.200 U	0.500 U	--
1,1,2-Trichloroethane	5	5	3	3	5	0.288 U	0.200 U	0.500 U	--
1,1-Dichloroethene	7	7	7	7	7	0.128 U	0.200 U	0.500 U	--
1,2,4-Trichlorobenzene	70	70	70	70	70	0.318 U	0.200 U	0.500 U	--
1,2-Dichlorobenzene	10	10	600	600	600	0.272 U	0.200 U	0.500 U	--
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.200 U	0.500 U	--
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.200 U	0.500 U	--
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.200 U	0.500 U	--
Benzene	5	5	5	5	5	0.0846 U	0.200 U	0.500 U	--
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.100 U	0.500 U	--
Chlorobenzene	25	25	100	100	100	0.146 U	0.200 U	0.500 U	--

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Location ID:		D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG623H	D2-BLDG623H	D2-BLDG650H
Location Type:		School	School	School	School	School	School	Child Development Center	Child Development Center	School
Residence:		Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 650H,HICKAM ELEM P10
Field Sample ID:		20220114-D2-FT05	220114-D2-CT01	220114-D2-CT04	220114-D2-FT04	220114-D2-FT05	220114-D2-FT04	220112-D2-ET02	220112-D2-ET03	20220114-D2-BT01
Sample Date:		2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-14
Sample Type:		N	N	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Res		SDG: 810123581		SDG: 810123581		SDG: 810122551		SDG: 810122551		SDG: C22A020 rev1-Res	
SVOC (µg/L)	Incident Specific Parameters	Action Levels																	
1-Methylnaphthalene	2.1	10		None		None		0.0190 U		0.0190 U		0.0200 U		0.0190 U		0.0190 U		--	--
2-Ethylhexyl adipate	None	None		None		None		--		--		--		--		--		--	--
2-Methylnaphthalene	4.7	10		None		None		0.0190 U		0.0190 U		0.0200 U		0.0190 U		0.0190 U		--	--
Alachlor	None	None		None		None		--		--		--		--		--		--	--
Atrazine	None	None		None		None		--		--		--		--		--		--	--
Benzo(a)pyrene	0.06	0.06		0.2		0.2		0.00970 U		0.00970 U		0.0100 U		0.00970 U		0.00970 U		--	--
Bis(2-ethylhexyl)phthalate	3	3		6		6		0.580 U		0.580 U		0.610 U		0.580 U		0.580 U		--	--
Endrin	None	None		None		None		--		--		--		--		--		--	--
gamma-BHC (Lindane)	None	None		None		None		--		--		--		--		--		--	--
Heptachlor	None	None		None		None		--		--		--		--		--		--	--
Heptachlor epoxide	None	None		None		None		--		--		--		--		--		--	--
Hexachlorobenzene	0.0003	0.0003		1		1		0.00970 U		0.00970 U		0.0100 U		0.00970 U		0.00970 U		--	--
Hexachlorocyclopentadiene	50	None		50		50		0.00970 U		0.00970 U		0.0100 U		0.00970 U		0.00970 U		--	--
Methoxychlor	None	None		None		None		--		--		--		--		--		--	--
Naphthalene	12	17		None		None		0.0190 U		0.0190 U		0.0200 U		0.0190 U		0.0190 U		--	--
Pentachlorophenol	None	None		None		None		--		--		--		--		--		--	--
Simazine	None	None		None		None		--		--		--		--		--		--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: C22A020 rev1-Res		SDG: DA40923 D2 RES		SDG: DA40923 D2 RES		SDG: DA40923 D2 RES		SDG: C22A010		SDG: C22A020 rev1-Res	
VOC (µg/L)	Incident Specific Parameters	Action Levels																	
1,1,1-Trichloroethane	11	11		200		200		0.500 U		0.500 U		0.500 U		0.500 U		0.119 U		--	--
1,1,2-Trichloroethane	5	5		3		5		0.500 U		0.500 U		0.500 U		0.500 U		0.288 U		--	--
1,1-Dichloroethene	7	7		7		7		0.500 U		0.500 U		0.500 U		0.500 U		0.128 U		--	--
1,2,4-Trichlorobenzene	70	70		70		70		0.500 U		0.500 U		0.500 U		0.500 U		0.318 U		--	--
1,2-Dichlorobenzene	10	10		600		600		0.500 U		0.500 U		0.500 U		0.500 U		0.272 U		--	--
1,2-Dichloroethane	5	5		5		5		0.500 U		0.500 U		0.500 U		0.500 U		0.0884 U		--	--
1,2-Dichloropropane	5	5		5		5		0.500 U		0.500 U		0.500 U		0.500 U		0.129 U		--	--
1,4-Dichlorobenzene	5	5		75		None		0.500 U		0.500 U		0.500 U		0.500 U		0.245 U		--	--
Benzene	5	5		5		5		0.500 U		0.500 U		0.500 U		0.500 U		0.0846 U		--	--
Carbon Tetrachloride	5	5		5		5		0.500 U		0.500 U		0.500 U		0.500 U		0.165 U		--	--
Chlorobenzene	25	25		100		100		0.500 U		0.500 U		0.500 U		0.500 U		0.146 U		--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:		D2-BLDG650H	D2-BLDG900H	D2-BLDG901H	D2-BLDG901H	D2-BLDG920H	D2-BLDG926H	D2-BLDG926H
Location Type:		School	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:		Building 650H,HICKAM ELEM P10	Building 900H,OFFICER OPEN MESS, 10 Julian Ave	Building 901H,OFFICER OPEN MESS	Building 920H,NGIS - NAVY TDY	Building 920H,NGIS - NAVY TDY	Building 926H,NGIS - NAVY TDY	Building 926H,NGIS - NAVY TDY
Field Sample ID:		220114-D2-BT01	220116-D2-HT02	220116-D2-HT05	220118-D2-LT01	220116-D2-KT04	220116-D2-KT03	220118-D2-MT08
Sample Date:		2022-01-14	2022-01-16	2022-01-16	2022-01-18	2022-01-16	2022-01-16	2022-01-18
Sample Type:		N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Specific Parameters	Action Levels						SDG: DA41079	SDG: DA40986
1-Methylnaphthalene	2.1	10	None	None	None	None	0.0190 U	0.240 U	0.250 U
2-Ethylhexyl adipate	None	None	None	None	None	None	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	None	0.0190 U	0.240 U	0.250 U
Alachlor	None	None	None	None	None	None	--	--	--
Atrazine	None	None	None	None	None	None	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.2	0.00960 U	0.00970 U	0.00950 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	6	0.580 U	0.380 U	0.380 U
Endrin	None	None	None	None	None	None	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	--	--	--
Heptachlor	None	None	None	None	None	None	--	--	--
Heptachlor epoxide	None	None	None	None	None	None	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	1	0.00960 U	0.0200 U	0.0200 U
Hexachlorocyclopentadiene	50	None	50	50	50	50	0.00960 U	0.0400 U	0.0400 U
Methoxychlor	None	None	None	None	None	None	--	--	--
Naphthalene	12	17	None	None	None	None	0.0190 U	0.240 U	0.250 U
Pentachlorophenol	None	None	None	None	None	None	--	--	--
Simazine	None	None	None	None	None	None	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Specific Parameters	Action Levels					SDG: DA40923 D2 RES	SDG: DA40953-DA40953R	SDG: DA41046
1,1,1-Trichloroethane	11	11	200	200	200	200	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	5	5	3	3	5	5	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	7	0.500 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	70	0.500 U	0.500 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	600	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	None	0.500 U	0.500 U	0.500 U
Benzene	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	5	0.500 U	0.500 U	0.500 U
Chlorobenzene	25	25	100	100	100	100	0.500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID: D2-CHAL2405B D2-CHAL2407A D2-CHAL2412A D2-CHAL2415A D2-CHAL2421A D2-CHAL2430A D2-CHAL2437A
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 2405 Challenger Loop 2407 Challenger Loop 2412 Challenger Loop 2415 Challenger Loop 2421 Challenger Loop 2430 Challenger Loop 2437 Challenger Loop

Field Sample ID: 220112-D2-GT06 220113-D2-CT04 220112-D2-HT09 220112-D2-GT08 220111-D2-ET05 220111-D2-JT03 220111-D2-HT07 220111-D2-BT14
Sample Date: 2022-01-12 2022-01-13 2022-01-12 2022-01-12 2022-01-11 2022-01-11 2022-01-11 2022-01-11
Sample Type: N N N N N N N

		DOH		Environmental		Environmental		Protection	
		Environmental		Action Levels		DOH Safe		Agency	
		Table D-1A		Groundwater		Drinking Water		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
SVOC (µg/L)		2.1		10		None		None	
1-Methylnaphthalene		None		None		None		None	
2-Ethylhexyl adipate		None		None		None		None	
2-Methylnaphthalene		4.7		10		None		None	
Alachlor		None		None		None		None	
Atrazine		None		None		None		None	
Benzo(a)pyrene		0.06		0.06		0.2		0.2	
Bis(2-ethylhexyl)phthalate		3		3		6		6	
Endrin		None		None		None		None	
gamma-BHC (Lindane)		None		None		None		None	
Heptachlor		None		None		None		None	
Heptachlor epoxide		None		None		None		None	
Hexachlorobenzene		0.0003		0.0003		1		1	
Hexachlorocyclopentadiene		50		None		50		50	
Methoxychlor		None		None		None		None	
Naphthalene		12		17		None		None	
Pentachlorophenol		None		None		None		None	
Simazine		None		None		None		None	
		DOH		Environmental		DOH Safe		Environmental	
		Action Levels		Table D-1A		Drinking Water		Protection	
		Groundwater		Action Levels		Regulatory		Agency	
		Incident Specific		Parameters		Constituents		Maximum	
VOC (µg/L)		11		11		200		Levels	
1,1,1-Trichloroethane		5		5		3		5	
1,1,2-Trichloroethane		7		7		7		7	
1,2-Dichloroethane		70		70		70		70	
1,2,4-Trichlorobenzene		10		10		600		600	
1,2-Dichlorobenzene		5		5		5		5	
1,2-Dichloroethane		5		5		5		5	
1,2-Dichloropropane		5		5		75		None	
1,4-Dichlorobenzene		5		5		5		5	
Benzene		5		5		5		5	
Carbon Tetrachloride		25		25		100		100	
Chlorobenzene									

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID: D2-CORN1101 D2-CORN1201 D2-FOXB1203 D2-FOXB1304 D2-FOXB1405 D2-FOXB1505 D2-FOXB1605
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1101 Cornet Avenue 1201 Cornet Avenue 1203 Fox Boulevard 1304 Fox Boulevard 1405 Fox Boulevard Building 1505 Fox Boulevard 1605 Fox Boulevard

Field Sample ID: 220111-D2-ET04 220111-D2-HT03 220111-D2-FT03 220111-D2-HT05 220111-D2-FT07 220111-D2-FT08 220111-D2-GT01 220111-D2-GT06
Sample Date: 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11
Sample Type: N N N N N N N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:	
SVOC (µg/L)	Incident Specific Parameters	Action Levels		Action Levels				810123631_Rev	810119061	810121181	810119061	810121181	810119061	810121181	810121181
1-Methylnaphthalene	2.1	10		None	None	None	None	0.0200 UJ	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U
2-Ethylhexyl adipate	None	None		None	None	None	None	--	--	--	--	--	--	--	--
2-Methylnaphthalene	4.7	10		None	None	None	None	0.0200 UJ	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U
Alachlor	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Atrazine	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06		0.2	0.2	0.2	0.2	0.00980 UJ	0.0100 U	0.00960 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3		6	6	6	6	0.590 UJ	0.600 U	0.580 U	0.580 U	0.580 U	0.580 U	0.580 U	0.580 U
Endrin	None	None		None	None	None	None	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Heptachlor	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Heptachlor epoxide	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0003	0.0003		1	1	1	1	0.00980 UJ	0.0100 U	0.00960 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U
Hexachlorocyclopentadiene	50	None		50	50	50	50	0.00980 UJ	0.0100 U	0.00960 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U	0.00970 U
Methoxychlor	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Naphthalene	12	17		None	None	None	None	0.0200 UJ	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U
Pentachlorophenol	None	None		None	None	None	None	--	--	--	--	--	--	--	--
Simazine	None	None		None	None	None	None	--	--	--	--	--	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:	
VOC (µg/L)	Incident Specific Parameters	Action Levels		Action Levels				C22A008	C22A008	C22A008_Rev3	C22A008_Rev3	C22A008_Rev3	C22A008_Rev3	C22A008_Rev3	C22A008
1,1,1-Trichloroethane	11	11		200	200	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U
1,1,2-Trichloroethane	5	5		3	3	5	5	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7		7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70		70	70	70	70	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10		600	600	600	600	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5		5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5		5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5		75	75	None	None	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U
Benzene	5	5		5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5		5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25		100	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-FOXB1713		D2-FOXB1713	D2-FOXB1809	D2-FOXB1809	D2-FOXB1809	D2-FOXB1904	D2-FOXB1913	D2-FOXB1922
Location Type:	Residence		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	1713 Fox Boulevard		1713 Fox Boulevard	1809 Fox Boulevard	1809 Fox Boulevard	1809 Fox Boulevard	1904 Fox Boulevard	1913 Fox Boulevard	1922 Fox Boulevard
Field Sample ID:	220116-D2-IT01	220117-D2-HT05	220112-D2-IT04	220117-D2-AT07	220117-D2-AT08	220117-D2-IT04	220112-D2-JT07	220112-D2-GT01	
Sample Date:	2022-01-16	2022-01-17	2022-01-12	2022-01-17	2022-01-17	2022-01-17	2022-01-12	2022-01-12	
Sample Type:	N	N	N	N	FD	N	N	N	N

		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986	SDG: 810124441	SDG: 810123671	SDG: 810124441	SDG: 810124441	SDG: 810124441	SDG: 810123671	SDG: 810123671	SDG: 810123671
SVOC (µg/L)	2.1	10	None	None	0.240 U	0.0200 U	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0200 U
1-Methylnaphthalene				None			--	--	--	--	--	--	--
2-Ethylhexyl adipate	None	None	None	None	0.240 U	0.0200 U	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0200 U
2-Methylnaphthalene	4.7	10	None	None	None	None	--	--	--	--	--	--	--
Alachlor	None	None	None	None	None	None	--	--	--	--	--	--	--
Atrazine	None	None	None	None	None	None	--	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00950 U	0.00980 U	0.00990 U	0.00970 U	0.00970 U	0.00970 U	0.00960 U	0.00980 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.380 U	0.590 U	0.590 U	0.580 U	0.580 U	0.580 U	0.580 U	0.580 U	0.590 U
Endrin	None	None	None	None	None	None	--	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	None	--	--	--	--	--	--	--
Heptachlor	None	None	None	None	None	None	--	--	--	--	--	--	--
Heptachlor epoxide	None	None	None	None	None	None	--	--	--	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	0.0200 U	0.00980 U	0.00990 U	0.00970 U	0.00970 U	0.00970 U	0.00960 U	0.00980 U	0.00980 U
Hexachlorocyclopentadiene	50	None	50	50	0.0400 U	0.00980 U	0.00990 U	0.00970 U	0.00970 U	0.00970 U	0.00960 U	0.00980 U	0.00980 U
Methoxychlor	None	None	None	None	--	--	--	--	--	--	--	--	--
Naphthalene	12	17	None	None	0.240 U	0.0200 U	0.0200 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0200 U
Pentachlorophenol	None	None	None	None	--	--	--	--	--	--	--	--	--
Simazine	None	None	None	None	--	--	--	--	--	--	--	--	--

		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986	SDG: DA41046	SDG: C22A010	SDG: 810124441	SDG: 810124441	SDG: DA41046	SDG: C22A010	SDG: C22A010	SDG: C22A010
VOC (µg/L)	11	11	200	200	0.500 U	0.500 U	0.119 U	0.200 U	0.200 U	0.500 U	0.119 U	0.119 U	0.119 U
1,1,1-Trichloroethane				200									
1,1,2-Trichloroethane	5	5	3	5	0.500 U	0.500 U	0.288 U	0.200 U	0.200 U	0.500 U	0.288 U	0.288 U	0.288 U
1,1-Dichloroethene	7	7	7	7	0.500 U	0.500 U	0.128 U	0.200 U	0.200 U	0.500 U	0.128 U	0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70	70	0.500 U	0.500 U	0.318 U	0.200 U	0.200 U	0.500 U	0.318 U	0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600	600	0.500 U	0.500 U	0.272 U	0.200 U	0.200 U	0.500 U	0.272 U	0.272 U	0.272 U
1,2-Dichloroethane	5	5	5	5	0.500 U	0.500 U	0.0884 U	0.200 U	0.200 U	0.500 U	0.0884 U	0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5	5	0.500 U	0.500 U	0.129 U	0.200 U	0.200 U	0.500 U	0.129 U	0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75	None	0.500 U	0.500 U	0.245 U	0.200 U	0.200 U	0.500 U	0.245 U	0.245 U	0.245 U
Benzene	5	5	5	5	0.500 U	0.500 U	0.0846 U	0.200 U	0.200 U	0.500 U	0.0846 U	0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5	5	0.500 U	0.500 U	0.165 U	0.100 U	0.100 U	0.500 U	0.165 U	0.165 U	0.165 U
Chlorobenzene	25	25	100	100	0.500 U	0.500 U	0.146 U	0.200 U	0.200 U	0.500 U	0.146 U	0.146 U	0.146 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-FOXB1930									
Location Type:	Residence									
Residence:	1930 Fox Boulevard									
	2002 Fox Boulevard		2003 Fox Boulevard		2031 Fox Boulevard		312 Gemini Avenue		717 Gemini Avenue	
	D2-FOXB2002		D2-FOXB2003		D2-FOXB2031		D2-GEMI0312		D2-GEMI0717	
	Residence		Residence		Residence		Residence		Residence	
	2022-01-11		2022-01-11		2022-01-11		2022-01-16		2022-01-18	
	N		N		N		N		N	
Field Sample ID:	220112-D2-JT05		220111-D2-GT02		220111-D2-BT04		220116-D2-IT03		220118-D2-MT01	
Sample Date:	2022-01-12		2022-01-11		2022-01-11		2022-01-16		2022-01-12	
Sample Type:	N		N		N		N		N	

			DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
SVOC (µg/L)	Incident Parameters	Specific Groundwater Action Levels							SDG:	SDG:
1-Methylnaphthalene	2.1	10	None		None		None		810123671	810122551
2-Ethylhexyl adipate	None	None	None		None		None		--	--
2-Methylnaphthalene	4.7	10	None		None		None		0.0190 U	0.0190 U
Alachlor	None	None	None		None		None		--	--
Atrazine	None	None	None		None		None		--	--
Benzo(a)pyrene	0.06	0.06	0.2		0.2		0.00950 U		0.00980 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3	3	6		6		0.380 U		0.590 U	0.380 U
Endrin	None	None	None		None		None		--	--
gamma-BHC (Lindane)	None	None	None		None		None		--	--
Heptachlor	None	None	None		None		None		--	--
Heptachlor epoxide	None	None	None		None		None		--	--
Hexachlorobenzene	0.0003	0.0003	1		1		0.00950 U		0.00980 U	0.00970 U
Hexachlorocyclopentadiene	50	None	50		50		0.00950 U		0.00980 U	0.00970 U
Methoxychlor	None	None	None		None		None		--	--
Naphthalene	12	17	None		None		0.0190 U		0.0200 U	0.0190 U
Pentachlorophenol	None	None	None		None		None		--	--
Simazine	None	None	None		None		None		--	--

			DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
VOC (µg/L)	Incident Parameters	Specific Groundwater Action Levels							SDG:	SDG:
1,1,1-Trichloroethane	11	11	200		200		200		0.119 U	0.119 U
1,1,2-Trichloroethane	5	5	3		3		5		0.288 U	0.288 U
1,1-Dichloroethene	7	7	7		7		7		0.128 U	0.128 U
1,2,4-Trichlorobenzene	70	70	70		70		70		0.318 U	0.318 U
1,2-Dichlorobenzene	10	10	600		600		600		0.272 U	0.272 U
1,2-Dichloroethane	5	5	5		5		5		0.0884 U	0.0884 U
1,2-Dichloropropane	5	5	5		5		5		0.129 U	0.129 U
1,4-Dichlorobenzene	5	5	75		75		None		0.245 U	0.245 U
Benzene	5	5	5		5		5		0.0846 U	0.0846 U
Carbon Tetrachloride	5	5	5		5		5		0.165 U	0.165 U
Chlorobenzene	25	25	100		100		100		0.146 U	0.146 U

Residential Sampling Report for Flushing Zone
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Location ID:		D2-HOAA0905	D2-HONU0118	D2-HOOP0911	D2-HOOP0918	D2-HUIL0343	D2-JULI0004	D2-JULI0104	D2-JULI0107
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		905 Hoaano Alley	118 Honu Alley	911 Hoopinana Alley	918 Hoopinana Alley	343 Huilanui Alley	4 Julian Avenue	104 Julian Avenue	107 Julian Avenue
Field Sample ID:		220112-D2-GT03	220111-D2-AT06	220112-D2-HT03	220117-D2-HT03	220111-D2-ET01	220115-D2-BT04	220114-D2-IT05	220115-D2-BT08
Sample Date:		2022-01-12	2022-01-11	2022-01-12	2022-01-17	2022-01-11	2022-01-15	2022-01-14	2022-01-15
Sample Type:		N	N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
Incident Specific Parameters	Action Levels	Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: 810123671	SDG: DA40816A_r1	SDG: 810123671	SDG: 810123691
SVOC (µg/L)	2.1	10	10	None	None	0.0200 U	0.240 UJ	0.0190 U	0.0200 U
1-Methylnaphthalene						None	None	--	0.0200 U
2-Ethylhexyl adipate	None	None	None	None	None	--	--	--	--
2-Methylnaphthalene	4.7	10	10	None	None	0.0200 U	0.240 UJ	0.0190 U	0.0200 U
Alachlor	None	None	None	None	None	--	--	--	--
Atrazine	None	None	None	None	None	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00990 U	0.00950 U	0.00970 U	0.00980 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.590 U	0.380 U	0.580 U	0.590 U
Endrin	None	None	None	None	None	--	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	--	--	--	--
Heptachlor	None	None	None	None	None	--	--	--	--
Heptachlor epoxide	None	None	None	None	None	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	0.00990 U	0.00970 U	0.0200 U	0.00970 U	0.00980 U
Hexachlorocyclopentadiene	50	None	50	50	0.00990 U	0.00970 U	0.0400 U	0.00970 U	0.00980 U
Methoxychlor	None	None	None	None	None	--	--	--	--
Naphthalene	12	17	None	None	None	0.0200 U	0.240 UJ	0.0190 U	0.0200 U
Pentachlorophenol	None	None	None	None	None	--	--	--	--
Simazine	None	None	None	None	None	--	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		SDG: C22A010		SDG: C22A008_Rev3		SDG: C22A010		SDG: 810124441		SDG: C22A008		SDG: DA40923 D2 RES		SDG: DA40929	
Incident Specific Parameters	Action Levels	Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	SDG: C22A010	SDG: C22A010	SDG: C22A008_Rev3	SDG: C22A010	SDG: C22A010	SDG: C22A010	SDG: 810124441	SDG: 810124441	SDG: C22A008	SDG: C22A008	SDG: DA40923 D2 RES	SDG: DA40923 D2 RES	SDG: DA40929	SDG: DA40929
VOC (µg/L)	11	11	11	200	200	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.119 U	0.200 U	0.200 U	0.119 U	0.119 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,1-Trichloroethane						0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.200 U	0.200 U	0.288 U	0.288 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	5	5	3	5	3	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.200 U	0.200 U	0.128 U	0.128 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	7	7	7	7	7	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.200 U	0.200 U	0.318 U	0.318 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	70	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.200 U	0.200 U	0.272 U	0.272 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichlorobenzene	10	10	600	600	600	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.200 U	0.200 U	0.0884 U	0.0884 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.200 U	0.200 U	0.129 U	0.129 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.200 U	0.200 U	0.245 U	0.245 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.200 U	0.200 U	0.0846 U	0.0846 U	0.500 U	0.500 U	0.500 U	0.500 U
Benzene	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.100 U	0.100 U	0.165 U	0.165 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.200 U	0.200 U	0.146 U	0.146 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	25	25	100	100	100														

Residential Sampling Report for Flushing Zone
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Location ID:		D2-KAMAA0422	D2-KAUW0631	D2-KAUW0631	D2-KAUW0631	D2-KAWE0521	D2-KAWE0525	D2-KAWE0671	D2-KOAA0501	D2-KOAA0501
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		422 Kamakoa Alley	631 Kauwenaole Alley	631 Kauwenaole Alley	631 Kauwenaole Alley	521 Kawehiwehi Street	525 Kawehiwehi Street	671 Kawehiwehi Street	501 Koaina Alley	501 Koaina Alley
Field Sample ID:		220112-D2-BT06	220112-D2-BT10	220112-D2-BT12	220111-D2-IT01	220111-D2-AT01	220116-D2-IT05	220114-D2-JT04	220114-D2-JT04	
Sample Date:		2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-11	2022-01-16	2022-01-14	2022-01-14	
Sample Type:		FD	N	FD	N	N	N	N	N	N

DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:	
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
SVOC (µg/L)	10	None	None	0.0190 U	0.0190 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
1-Methylnaphthalene	2.1	None	None	0.0190 U	0.0190 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
2-Ethylhexyl adipate	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
2-Methylnaphthalene	4.7	None	None	0.0190 U	0.0190 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Alachlor	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Atrazine	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Benzo(a)pyrene	0.06	0.06	0.2	0.00960 U	0.00960 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Bis(2-ethylhexyl)phthalate	3	3	6	0.580 U	0.580 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Endrin	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
gamma-BHC (Lindane)	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Heptachlor	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Heptachlor epoxide	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Hexachlorobenzene	0.0003	0.0003	1	0.00960 U	0.00960 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Hexachlorocyclopentadiene	50	None	50	0.00960 U	0.00960 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Methoxychlor	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Naphthalene	12	17	None	0.0190 U	0.0190 U	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Pentachlorophenol	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		
Simazine	None	None	None	--	--	810120771	810122551	810122551	810121181	DA40816A_r1	DA40986	C22A020 rev1-Res	810123581		

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:		SDG:	
Incident Specific Parameters	Action Levels	Incident Specific Parameters	Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
VOC (µg/L)	11	11	11	200	200	200	200	C22A010	C22A010	C22A010	C22A010	C22A008_Rev3	C22A008	DA40986	C22A020 rev1-Res	DA40923 D2 RES	
1,1,1-Trichloroethane	5	5	5	3	3	3	3	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.288 U	0.500 U	--	0.500 U	
1,1,2-Trichloroethane	7	7	7	7	7	7	7	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.128 U	0.500 U	--	0.500 U	
1,2,4-Trichlorobenzene	70	70	70	600	600	600	600	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.318 U	0.500 U	--	0.500 U	
1,2-Dichlorobenzene	10	10	10	5	5	5	5	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.272 U	0.500 U	--	0.500 U	
1,2-Dichloroethane	5	5	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.0884 U	0.500 U	--	0.500 U	
1,2-Dichloropropane	5	5	5	5	5	5	5	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.129 U	0.500 U	--	0.500 U	
1,4-Dichlorobenzene	5	5	5	75	75	None	None	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.245 U	0.500 U	--	0.500 U	
Benzene	5	5	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.0846 U	0.500 U	--	0.500 U	
Carbon Tetrachloride	5	5	5	5	5	5	5	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.165 U	0.500 U	--	0.500 U	
Chlorobenzene	25	25	25	100	100	100	100	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.146 U	0.500 U	--	0.500 U	

Residential Sampling Report for Flushing Zone
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Location ID: D2-LEWA0409 D2-MERC0212 D2-MERC0222 D2-MERC0232 D2-MONT0300 D2-MONT0303 D2-OPUL0431 D2-PONIA0402
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 409 Lewa Mawaho 212 Mercury Street 222 Mercury Street 232 Mercury Street 300 Monthan Street 303 Monthan Street 431 Opulepule Alley 402 Ponanonana Alley
Loop

Field Sample ID: 220111-D2-JT04 220111-D2-HT11 220111-D2-HT09 220111-D2-BT08 220115-D2-BT07 220115-D2-ET05 220112-D2-BT08 220117-D2-LT06
Sample Date: 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-15 2022-01-15 2022-01-12 2022-01-17
Sample Type: N N N N N N N N

			DOH		Environmental		Environmental		Protection	
			Incident Specific Parameters	Action Levels	Groundwater	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels		
SVOC (µg/L)	2.1	10								
1-Methylnaphthalene										
2-Ethylhexyl adipate	None	None								
2-Methylnaphthalene	4.7	10								
Alachlor	None	None								
Atrazine	None	None								
Benzo(a)pyrene	0.06	0.06								
Bis(2-ethylhexyl)phthalate	3	3								
Endrin	None	None								
gamma-BHC (Lindane)	None	None								
Heptachlor	None	None								
Heptachlor epoxide	None	None								
Hexachlorobenzene	0.0003	0.0003								
Hexachlorocyclopentadiene	50	None								
Methoxychlor	None	None								
Naphthalene	12	17								
Pentachlorophenol	None	None								
Simazine	None	None								

			DOH		Environmental		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Agency Maximum Contaminant Levels	
			Incident Specific Parameters	Action Levels	Groundwater	Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels		
VOC (µg/L)	11	11								
1,1,1-Trichloroethane										
1,1,2-Trichloroethane	5	5								
1,1-Dichloroethene	7	7								
1,2,4-Trichlorobenzene	70	70								
1,2-Dichlorobenzene	10	10								
1,2-Dichloroethane	5	5								
1,2-Dichloropropane	5	5								
1,4-Dichlorobenzene	5	5								
Benzene	5	5								
Carbon Tetrachloride	5	5								
Chlorobenzene	25	25								

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:										
Location Type:	D2-PORT0904	D2-PORT0904	D2-PORT1302	D2-PORT1308	D2-PORT1726	D2-PORT1810	D2-PORT1824	D2-PORT1902		
	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence		
Residence:	904 Porter Avenue	904 Porter Avenue	1302 Porter Avenue	1308 Porter Avenue	1726 Porter Avenue	1810 Porter Avenue	1824 Porter Avenue	1902 Porter Avenue		
Field Sample ID:	220115-D2-HT02	220115-D2-HT03	220111-D2-FT09	220111-D2-FT06	220112-D2-IT06	220112-D2-FT07	220113-D2-ET04	220117-D2-HT06		
Sample Date:	2022-01-15	2022-01-15	2022-01-11	2022-01-11	2022-01-12	2022-01-12	2022-01-13	2022-01-17		
Sample Type:	N	FD	N	N	N	N	N	N		

			DOH		Environmental		Environmental			
			Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels				
SVOC (µg/L)	Incident Specific Parameters	Action Levels	10	None	None	None	SDG: 810123691	SDG: 810121181	SDG: 810123671	SDG: 810124441
1-Methylnaphthalene	2.1					None	0.0190 U	0.0190 U	0.0200 U	0.0190 U
2-Ethylhexyl adipate	None					None	--	--	--	--
2-Methylnaphthalene	4.7					None	0.0190 U	0.0190 U	0.0200 U	0.0190 U
Alachlor	None					None	--	--	--	--
Atrazine	None					None	--	--	--	--
Benzo(a)pyrene	0.06					0.2	0.00970 U	0.00960 U	0.00980 U	0.00970 U
Bis(2-ethylhexyl)phthalate	3					6	0.580 U	0.580 U	0.610 U	0.580 U
Endrin	None					None	--	--	--	--
gamma-BHC (Lindane)	None					None	--	--	--	--
Heptachlor	None					None	--	--	--	--
Heptachlor epoxide	None					None	--	--	--	--
Hexachlorobenzene	0.0003					1	0.00970 U	0.00960 U	0.00980 U	0.00970 U
Hexachlorocyclopentadiene	50					50	0.00970 U	0.00960 U	0.00980 U	0.00970 U
Methoxychlor	None					None	--	--	--	--
Naphthalene	12					None	0.0190 U	0.0190 U	0.0200 U	0.0190 U
Pentachlorophenol	None					None	--	--	--	--
Simazine	None					None	--	--	--	--

			DOH		Environmental		Environmental			
			Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels	SDG: DA40929	SDG: C22A008_Rev3	SDG: C22A008_Rev3	SDG: C22A010
VOC (µg/L)	Incident Specific Parameters	Action Levels	11	200	200	200	DA40929	C22A008_Rev3	C22A008_Rev3	C22A010
1,1,1-Trichloroethane	11					200	0.500 U	0.119 U	0.119 U	0.500 U
1,1,2-Trichloroethane	5					5	0.500 U	0.288 U	0.288 U	0.500 U
1,1-Dichloroethene	7					7	0.500 U	0.128 U	0.128 U	0.500 U
1,2,4-Trichlorobenzene	70					70	0.500 U	0.318 U	0.318 U	0.500 U
1,2-Dichlorobenzene	10					600	0.500 U	0.272 U	0.272 U	0.500 U
1,2-Dichloroethane	5					5	0.500 U	0.0884 U	0.0884 U	0.500 U
1,2-Dichloropropane	5					5	0.500 U	0.129 U	0.129 U	0.500 U
1,4-Dichlorobenzene	5					None	0.500 U	0.245 U	0.245 U	0.500 U
Benzene	5					5	0.500 U	0.0846 U	0.0846 U	0.500 U
Carbon Tetrachloride	5					5	0.500 U	0.165 U	0.165 U	0.500 U
Chlorobenzene	25					100	0.500 U	0.146 U	0.146 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-PORT1917 D2-SIGN0202 D2-SIGN0406 D2-SIGN0504A D2-SIGN1001 D2-SIGN1001 D2-SIGN203C D2-SIGN302B
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1917 Porter Avenue 202 Signer Boulevard 406 Signer Boulevard 504 Signer Boulevard 1001 Signer Boulevard 1001 Signer Boulevard 203 Signer Boulevard 302 Signer Boulevard

Field Sample ID: 220112-D2-FT09 220115-D2-HT04 220118-D2-MT05 220115-D2-IT04 20220114-D2-IT01 220114-D2-IT01 220115-D2-HT05 220115-D2-JT03
Sample Date: 2022-01-12 2022-01-15 2022-01-18 2022-01-15 2022-01-14 2022-01-14 2022-01-15 2022-01-15
Sample Type: N N N N N N N N

		DOH		Environmental		Environmental		Protection	
		Environmental		Action Levels		DOH Safe		Agency	
		Table D-1A		Groundwater		Drinking Water		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
SVOC (µg/L)	2.1	10				None		None	
1-Methylnaphthalene									
2-Ethylhexyl adipate	None	None				None		None	
2-Methylnaphthalene	4.7	10				None		None	
Alachlor	None	None				None		None	
Atrazine	None	None				None		None	
Benzo(a)pyrene	0.06	0.06				0.2		0.2	
Bis(2-ethylhexyl)phthalate	3	3				6		6	
Endrin	None	None				None		None	
gamma-BHC (Lindane)	None	None				None		None	
Heptachlor	None	None				None		None	
Heptachlor epoxide	None	None				None		None	
Hexachlorobenzene	0.0003	0.0003				1		1	
Hexachlorocyclopentadiene	50	None				50		50	
Methoxychlor	None	None				None		None	
Naphthalene	12	17				None		None	
Pentachlorophenol	None	None				None		None	
Simazine	None	None				None		None	

		DOH		Environmental		DOH Safe		Protection	
		Environmental		Action Levels		Drinking Water		Agency	
		Table D-1A		Groundwater		Branch (SDWB)		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
VOC (µg/L)	11	11				200		200	
1,1,1-Trichloroethane									
1,1,2-Trichloroethane	5	5				3		5	
1,1-Dichloroethene	7	7				7		7	
1,2,4-Trichlorobenzene	70	70				70		70	
1,2-Dichlorobenzene	10	10				600		600	
1,2-Dichloroethane	5	5				5		5	
1,2-Dichloropropane	5	5				5		5	
1,4-Dichlorobenzene	5	5				75		None	
Benzene	5	5				5		5	
Carbon Tetrachloride	5	5				5		5	
Chlorobenzene	25	25				100		100	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-SIGN401A	D2-SIGN403A	D2-TINK0102	D2-TINK0108	D2-TINK0114	D2-TINK1616	D2-TINK1705	D2-TINK1814
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	401 Signer Boulevard	403 Signer Boulevard	102 Tinker Drive	108 Tinker Drive	114 Tinker Drive	1616 Tinker Avenue	1705 Tinker Avenue	1814 Tinker Avenue
Field Sample ID:	220117-D2-LT05	220116-D2-FT01	220113-D2-ET02	220113-D2-ET03	220117-D2-LT02	220117-D2-IT05	220115-D2-JT05	220111-D2-IT05
Sample Date:	2022-01-17	2022-01-16	2022-01-13	2022-01-13	2022-01-17	2022-01-17	2022-01-15	2022-01-11
Sample Type:	N	N	N	N	N	N	N	N

Section 2b.2 Residential Sampling Report for Flushing Zone

		DOH		Environmental		Environmental		Protection	
		Environmental		Action Levels		DOH Safe		Agency	
		Table D-1A		Groundwater		Drinking Water		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
SVOC (µg/L)		2.1		10		None		None	
1-Methylnaphthalene		None		None		None		None	
2-Ethylhexyl adipate		None		None		None		None	
2-Methylnaphthalene		4.7		10		None		None	
Alachlor		None		None		None		None	
Atrazine		None		None		None		None	
Benzo(a)pyrene		0.06		0.06		0.2		0.2	
Bis(2-ethylhexyl)phthalate		3		3		6		6	
Endrin		None		None		None		None	
gamma-BHC (Lindane)		None		None		None		None	
Heptachlor		None		None		None		None	
Heptachlor epoxide		None		None		None		None	
Hexachlorobenzene		0.0003		0.0003		1		1	
Hexachlorocyclopentadiene		50		None		50		50	
Methoxychlor		None		None		None		None	
Naphthalene		12		17		None		None	
Pentachlorophenol		None		None		None		None	
Simazine		None		None		None		None	

		DOH		Environmental		DOH Safe		Protection	
		Environmental		Action Levels		Drinking Water		Agency	
		Table D-1A		Groundwater		Branch (SDWB)		Maximum	
		Action Levels		Action Levels		Regulatory		Contaminant	
		Incident Specific		Parameters		Constituents		Levels	
VOC (µg/L)		11		11		200		200	
1,1,1-Trichloroethane		5		5		3		5	
1,1,2-Trichloroethane		7		7		7		7	
1,1-Dichloroethene		70		70		70		70	
1,2,4-Trichlorobenzene		10		10		600		600	
1,2-Dichlorobenzene		5		5		5		5	
1,2-Dichloroethane		5		5		5		5	
1,2-Dichloropropane		5		5		5		5	
1,4-Dichlorobenzene		5		5		75		None	
Benzene		5		5		5		5	
Carbon Tetrachloride		25		25		100		100	
Chlorobenzene									

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:		D2-TINK1901	D2-TINK1926	D2-TINK2004	D2-WILS0201	D2-WORT0101	D2-WORT0201	D2-WORT0401
Location Type:		Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:		1901 Tinker Avenue	1926 Tinker Avenue	2004 Tinker Avenue	201 Wilson Street	101 Worthington Avenue	201 Worthington Avenue	401 Worthington Avenue
Field Sample ID:		220111-D2-JT05	220111-D2-BT01	220111-D2-GT05	220111-D2-ET02	220115-D2-BT05	220115-D2-JT06	220115-D2-JT04
Sample Date:		2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-15	2022-01-15	2022-01-15
Sample Type:		N	N	N	N	N	N	N

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
SVOC (µg/L)	2.1	10	None	None	None	810119061	DA40816A_r1	810121181	C22A025 rev1	810123691	DA40953-DA40953R	DA40953-DA40953R	DA40953-DA40953R
1-Methylnaphthalene					None	0.0200 U	0.240 U	0.0190 U	--	0.0200 U	0.240 U	0.240 U	0.240 U
2-Ethylhexyl adipate	None	None	None	None	None	--	--	--	--	--	--	--	--
2-Methylnaphthalene	4.7	10	None	None	None	0.0200 U	0.240 U	0.0190 U	--	0.0200 U	0.240 U	0.240 U	0.240 U
Alachlor	None	None	None	None	None	--	--	--	--	--	--	--	--
Atrazine	None	None	None	None	None	--	--	--	--	--	--	--	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.2	0.00980 U	0.00960 U	0.00960 U	--	0.00980 U	0.00960 U	0.00960 U	0.00960 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	6	0.590 U	0.380 U	0.570 U	--	0.590 U	0.380 U	0.380 U	0.380 U
Endrin	None	None	None	None	None	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	None	None	None	None	None	--	--	--	--	--	--	--	--
Heptachlor	None	None	None	None	None	--	--	--	--	--	--	--	--
Heptachlor epoxide	None	None	None	None	None	--	--	--	--	--	--	--	--
Hexachlorobenzene	0.0003	0.0003	1	1	1	0.00980 U	0.0200 U	0.00960 U	--	0.00980 U	0.0200 U	0.0200 U	0.0200 U
Hexachlorocyclopentadiene	50	None	50	50	50	0.00980 U	0.0400 U	0.00960 U	--	0.00980 U	0.0400 U	0.0400 U	0.0400 U
Methoxychlor	None	None	None	None	None	--	--	--	--	--	--	--	--
Naphthalene	12	17	None	None	None	0.0200 U	0.240 U	0.0190 U	--	0.0200 U	0.240 U	0.240 U	0.240 U
Pentachlorophenol	None	None	None	None	None	--	--	--	--	--	--	--	--
Simazine	None	None	None	None	None	--	--	--	--	--	--	--	--

		DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
Incident Specific Parameters	Action Levels	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
VOC (µg/L)	11	11	200	200	200	C22A008	C22A008_Rev3	C22A008	C22A025 rev1	DA40929	DA40953-DA40953R	DA40953-DA40953R	DA40953-DA40953R
1,1,1-Trichloroethane	5	5	3	3	5	0.288 U	0.288 U	0.288 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	7	7	7	7	7	0.128 U	0.128 U	0.128 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichlorobenzene	70	70	70	70	70	0.318 U	0.318 U	0.318 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	10	10	600	600	600	0.272 U	0.272 U	0.272 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	5	5	5	5	5	0.0884 U	0.0884 U	0.0884 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	5	5	5	5	5	0.129 U	0.129 U	0.129 U	--	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	5	5	75	75	None	0.245 U	0.245 U	0.245 U	--	0.500 U	0.500 U	0.500 U	0.500 U
Benzene	5	5	5	5	5	0.0846 U	0.0846 U	0.0846 U	--	0.500 U	0.500 U	0.500 U	0.500 U
Carbon Tetrachloride	5	5	5	5	5	0.165 U	0.165 U	0.165 U	--	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	25	25	100	100	100	0.146 U	0.146 U	0.146 U	--	0.500 U	0.500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID:
Location Type:

Residence:

D2-WORT0505
Residence

505 Worthington Avenue

Field Sample ID:
Sample Date:
Sample Type:

220116-D2-IT02
2022-01-16
N

SVOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
1-Methylnaphthalene	2.1	10	None	None	0.240 U
2-Ethylhexyl adipate	None	None	None	None	--
2-Methylnaphthalene	4.7	10	None	None	0.240 U
Atachlor	None	None	None	None	--
Atrazine	None	None	None	None	--
Benzo(a)pyrene	0.06	0.06	0.2	0.2	0.00950 U
Bis(2-ethylhexyl)phthalate	3	3	6	6	0.380 U
Endrin	None	None	None	None	--
gamma-BHC (Lindane)	None	None	None	None	--
Heptachlor	None	None	None	None	--
Heptachlor epoxide	None	None	None	None	--
Hexachlorobenzene	0.0003	0.0003	1	1	0.0200 U
Hexachlorocyclopentadiene	50	None	50	50	0.0400 U
Methoxychlor	None	None	None	None	--
Naphthalene	12	17	None	None	0.240 U
Pentachlorophenol	None	None	None	None	--
Simazine	None	None	None	None	--

VOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
1,1,1-Trichloroethane	11	11	200	200	0.500 U
1,1,2-Trichloroethane	5	5	3	5	0.500 U
1,1-Dichloroethene	7	7	7	7	0.500 U
1,2,4-Trichlorobenzene	70	70	70	70	0.500 U
1,2-Dichlorobenzene	10	10	600	600	0.500 U
1,2-Dichloroethane	5	5	5	5	0.500 U
1,2-Dichloropropane	5	5	5	5	0.500 U
1,4-Dichlorobenzene	5	5	75	None	0.500 U
Benzene	5	5	5	5	0.500 U
Carbon Tetrachloride	5	5	5	5	0.500 U
Chlorobenzene	25	25	100	100	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID:										
Location Type:	D2-10TH0206 Residence	D2-10TH0206 Residence	D2-10TH0207 Residence	D2-11TH0201 Residence	D2-11TH0205 Residence	D2-11TH0210 Residence	D2-12TH212A Residence	D2-13TH0206 Residence		
Residence:	206 10th Street	206 10th Street	207 10th Street	201 11th Street	205 11th Street	210 11th Street	212 12th Street	206 13th Street		
Field Sample ID:	220115-D2-JT01	220115-D2-JT02	220114-D2-FT02	220115-D2-IT06	220115-D2-HT06	220115-D2-IT01	220111-D2-ET03	220112-D2-ET01		
Sample Date:	2022-01-15	2022-01-15	2022-01-14	2022-01-15	2022-01-15	2022-01-15	2022-01-11	2022-01-12		
Sample Type:	N	FD	N	N	N	N	N	N		N

			DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels			
Incident Specific Parameters	Groundwater Action Levels									
VOC (µg/L)	70	70							SDG: DA40929	SDG: DA40929
cis-1,2-Dichloroethene							70		0.500 U	0.500 U
Ethylbenzene	700	7.3					700		0.500 U	0.500 U
m,p-Xylene	10000	13					None		0.500 U	0.500 U
Methylene chloride	5	5				5	5		0.500 U	0.500 U
o-Xylene	10000	13				None	None		0.500 U	0.500 U
Styrene	10	10				100	100		0.500 U	0.500 U
Tetrachloroethene (PCE)	5	5				5	5		0.500 U	0.500 U
Toluene	1000	9.8				1000	1000		0.500 U	0.500 U
trans-1,2-Dichloroethene	100	100				100	100		0.500 U	0.500 U
Trichloroethene (TCE)	5	5				5	5		0.500 U	0.500 U
Vinyl chloride	2	2				2	2		0.500 U	0.500 U
Xylenes, Total	10000	13				10000	10000		--	--

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH MCL
Results in blue font also exceed the EPA MCL
Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

µg/L = Micrograms per Liter

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:										
Location Type:	D2-13TH0206 Residence	D2-13TH0210 Residence	D2-14TH0210 Residence	D2-15TH212A Residence	D2-16TH0205 Residence	D2-17TH0211 Residence	D2-18TH0108 Residence	D2-18TH0116 Residence		
Residence:	206 13th Street	210 13th Street	210 14th Street	212A 15th Street	205 16th Street	211 17th Street	108 18th Street	116 18th Street		
Field Sample ID:	220114-D2-FT01	220115-D2-IT02	220117-D2-HT04	220111-D2-BT06	220111-D2-BT10	220111-D2-FT04	220113-D2-CT03	220113-D2-GT05		
Sample Date:	2022-01-14	2022-01-15	2022-01-17	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13		
Sample Type:	N	N	N	N	N	N	N	N		

			DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels					
VOC (µg/L)	Incident Parameters	Specific Groundwater Action Levels				SDG:	SDG:	SDG:	SDG:	SDG:
cis-1,2-Dichloroethene	70	70		70	70	DA40923 D2 RES	DA40953-DA40953R	810124441	C22A008	C22A014rev2 D2 only
Ethylbenzene	700	7.3		700	700	0.500 U	0.500 U	0.200 U	0.0570 U	0.0570 U
m,p-Xylene	10000	13		None	None	0.500 U	0.500 U	0.500 U	0.317 U	0.141 U
Methylene chloride	5	5		5	5	0.500 U	0.500 U	0.400 U	2.15 U	0.317 U
o-Xylene	10000	13		None	None	0.500 U	0.500 U	0.200 U	0.157 U	2.15 U
Styrene	10	10		100	100	0.500 U	0.500 U	0.200 U	0.157 U	0.157 U
Tetrachloroethene (PCE)	5	5		5	5	0.500 U	0.500 U	0.200 U	0.224 U	0.224 U
Toluene	1000	9.8		1000	1000	0.500 U	0.500 U	0.200 U	0.125 U	0.125 U
trans-1,2-Dichloroethene	100	100		100	100	0.500 U	0.500 U	0.200 U	0.120 U	0.120 U
Trichloroethene (TCE)	5	5		5	5	0.500 U	0.500 U	0.200 U	0.0958 U	0.0958 U
Vinyl chloride	2	2		2	2	0.500 U	0.500 U	0.200 U	0.0574 U	0.0574 U
Xylenes, Total	10000	13		10000	10000	--	--	0.500 U	0.611 U	0.611 U
								--	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-18TH0116 D2-18TH0121 D2-18TH0129 D2-18TH0129 D2-18TH0139 D2-19TH0018 D2-19TH0101 D2-19TH0109
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 116 18th Street 121 18th Street 129 18th Street 129 18th Street 139 18th Street 18 19th Street 101 19th Street 109 19th Street

Field Sample ID: 220113-D2-GT06 220113-D2-CT01 220112-D2-JT08 220112-D2-JT09 220117-D2-AT05 220111-D2-GT07 220113-D2-ET01 220112-D2-JT04
Sample Date: 2022-01-13 2022-01-13 2022-01-12 2022-01-12 2022-01-17 2022-01-11 2022-01-13 2022-01-12
Sample Type: FD N N FD N N N N

Incident Specific Parameters			DOH Environmental Action Levels Table D-1A		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:							
VOC (µg/L)	70	70	70	70	70	70	70	70	C22A014rev2 D2 only	SDG: C22A014rev2 D2 only	SDG: C22A010	SDG: C22A008	SDG: 810124441	SDG: C22A010	SDG: C22A014rev2 D2 only	SDG: C22A010
cis-1,2-Dichloroethene	700	7.3	700	700	700	700	700	70	0.0570 U	0.0570 U	0.0570 U	0.141 U	0.200 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene	10000	13	None	None	None	None	None	None	0.317 U	0.317 U	0.317 U	0.141 U	0.200 U	0.141 U	0.141 U	0.141 U
Methylene chloride	5	5	5	5	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	0.400 U	2.15 U	2.15 U	2.15 U
o-Xylene	10000	13	None	None	None	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.200 U	0.157 U	0.157 U	0.157 U
Styrene	10	10	100	100	100	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.200 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.200 U	0.125 U	0.125 U	0.125 U
Toluene	1000	9.8	1000	1000	1000	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.200 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.200 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.200 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.200 U	0.611 U	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	10000	10000	10000	10000	10000	--	--	--	0.472 U	0.500 U	--	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID: D2-19TH0111 D2-19TH0111 D2-19TH0140 D2-19TH0140 D2-19TH0192 D2-19TH0203 D2-19TH0204 D2-19TH0205
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 111 19th Street 111 19th Street 140 19th Street 140 19th Street 192 19th Street 203 19th Street 204 19th Street 205 19th Street

Field Sample ID: 20220114-D2-IT05 220114-D2-IT04 220112-D2-AT04 220112-D2-AT06 220112-D2-JT01 220112-D2-GT04 220112-D2-IT01 220117-D2-AT06
Sample Date: 2022-01-14 2022-01-14 2022-01-12 2022-01-12 2022-01-12 2022-01-12 2022-01-12 2022-01-17
Sample Type: N N N N FD N N N

		DOH		Environmental		DOH Safe		Environmental		Protection			
		Incident Specific Parameters	Groundwater Action Levels	Table D-1A Action Levels	Drinking Water Regulatory Constituents	Branch (SDWB) Constituents	Agency Maximum Levels						
VOC (µg/L)		70	70	70	70	70	70	SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: C22A010	SDG: C22A010	SDG: C22A010	SDG: 810124441
cis-1,2-Dichloroethene			--	--	70	70	70	0.500 U	0.500 U	0.0570 U	0.0570 U	0.0570 U	0.200 U
Ethylbenzene		700	7.3	700	700	700	700	0.500 U	0.500 U	0.141 U	0.141 U	0.141 U	0.200 U
m,p-Xylene		10000	13	None	None	None	None	0.500 U	0.500 U	0.317 U	0.317 U	0.317 U	0.500 U
Methylene chloride		5	5	5	5	5	5	0.500 U	0.500 U	2.15 U	2.15 U	2.15 U	0.400 U
o-Xylene		10000	13	None	None	None	None	0.500 U	0.500 U	0.157 U	0.157 U	0.157 U	0.200 U
Styrene		10	10	100	100	100	100	0.500 U	0.500 U	0.224 U	0.224 U	0.224 U	0.200 U
Tetrachloroethene (PCE)		5	5	5	5	5	5	0.500 U	0.500 U	0.125 U	0.125 U	0.125 U	0.200 U
Toluene		1000	9.8	1000	1000	1000	1000	0.500 U	0.500 U	0.120 U	0.120 U	0.120 U	0.200 U
trans-1,2-Dichloroethene		100	100	100	100	100	100	0.500 U	0.500 U	0.0958 U	0.0958 U	0.0958 U	0.200 U
Trichloroethene (TCE)		5	5	5	5	5	5	0.500 U	0.500 U	0.0574 U	0.0574 U	0.0574 U	0.200 U
Vinyl chloride		2	2	2	2	2	2	0.500 U	0.500 U	0.611 U	0.611 U	0.611 U	0.200 U
Xylenes, Total		10000	13	10000	10000	10000	10000	--	--	--	--	--	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID: D2-19TH1803
Location Type: Residence
Residence: 1803 19th Way

D2-19TH1809
Residence
1809 19th Way

D2-1ST0122
Residence
122 1st Street

D2-1ST0122
Residence
122 1st Street

D2-1ST0202
Residence
202 1st Street

D2-20TH0117
Residence
117 20th Street

D2-20TH0117
Residence
117 20th Street

Field Sample ID: 220111-D2-JT06
Sample Date: 2022-01-11
Sample Type: N

220111-D2-JT01
2022-01-11
N

22020114-D2-JT01
2022-01-14
N

220117-D2-LT03
2022-01-17
N

220117-D2-LT04
2022-01-17
FD

220113-D2-ET05
2022-01-13
N

220113-D2-ET08
2022-01-13
FD

DOH														
Environmental Action Levels				DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents			Environmental Protection Agency Maximum Contaminant Levels			SDG:				
Incident Specific Parameters	Table D-1A Groundwater Action Levels			Branch (SDWB) Regulatory Constituents			SDG: C22A008			SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: 2A18014	SDG: 2A18014	SDG: C22A014rev2 D2 only
VOC (µg/L)	70	70	70	70	70	70	SDG: C22A008	70	0.0570 U	--	0.500 U	0.250 U	0.250 U	C22A014rev2 D2 only
cis-1,2-Dichloroethene	700	7.3	700	700	700	700	0.141 U	700	0.0570 U	--	0.500 U	0.210 U	0.250 U	0.0570 U
Ethylbenzene	10000	13	None	None	None	None	0.317 U	None	0.141 U	--	0.500 U	0.210 U	0.210 U	0.141 U
m,p-Xylene	5	5	5	5	5	5	2.15 U	5	0.317 U	--	0.500 U	0.330 U	0.330 U	0.317 U
Methylene chloride	10000	13	None	None	None	None	0.157 U	None	2.15 U	--	0.500 U	0.303 U	0.303 U	2.15 U
o-Xylene	10	10	100	100	100	100	0.224 U	100	0.157 U	--	0.500 U	0.200 U	0.200 U	0.157 U
Styrene	5	5	5	5	5	5	0.125 U	5	0.224 U	--	0.500 U	0.190 U	0.190 U	0.224 U
Tetrachloroethene (PCE)	1000	9.8	1000	1000	1000	1000	0.120 U	1000	0.125 U	--	0.500 U	0.180 U	0.180 U	0.125 U
Toluene	100	100	100	100	100	100	0.0958 U	1000	0.120 U	--	0.500 U	0.294 U	0.294 U	0.120 U
trans-1,2-Dichloroethene	5	5	5	5	5	5	0.0574 U	100	0.0958 U	--	0.500 U	0.259 U	0.259 U	0.0958 U
Trichloroethene (TCE)	2	2	2	2	2	2	0.611 U	5	0.0574 U	--	0.500 U	0.180 U	0.180 U	0.0574 U
Vinyl chloride	10000	13	10000	10000	10000	10000	0.472 U	2	0.611 U	--	0.500 U	0.180 U	0.180 U	0.611 U
Xylenes, Total										--	--	--	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-20TH0124 Residence	D2-20TH0145 Residence	D2-20TH0155 Residence	D2-21ST0101 Residence	D2-21ST0123 Residence	D2-21ST0132 Residence	D2-2ND0112 Residence	D2-2ND0208 Residence		
Residence:	124 20th Street	145 20th Street	155 20th Street	101 21st Street	123 21st Street	132 21st Street	112 2nd Street	208 2nd Street		
Field Sample ID:	220112-D2-FT11	220112-D2-AT08	220112-D2-FT05	220111-D2-GT03	220117-D2-IT03	220111-D2-AT14	220115-D2-BT06	220116-D2-AT08		
Sample Date:	2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-17	2022-01-11	2022-01-15	2022-01-16		
Sample Type:	N	N	N	N	N	N	N	N		

VOC (ug/L)	Incident Specific Parameters		DOH Environmental Action Levels Table D-1A Groundwater Action Levels		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:	
	70	70	70	70	70	70	70	70	C22A010	DA40986
cis-1,2-Dichloroethene	700	7.3	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.0570 U	0.500 U
Ethylbenzene	10000	13	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	0.500 U
m,p-Xylene	5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	0.500 U
Methylene chloride	10000	13	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	0.500 U
o-Xylene	10	10	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	0.500 U
Styrene	5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	1000	9.8	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	0.500 U
Toluene	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.500 U
Trichloroethene (TCE)	2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U	0.500 U
Vinyl chloride	10000	13	10000	10000	--	--	--	--	0.500 U	0.500 U
Xylenes, Total									0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
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Location ID: D2-3RD0111 D2-3RD0111 D2-3RD0212 D2-4TH0118 D2-4TH0127 D2-5TH0101

Location Type: Residence Residence Residence Residence Residence Residence

Residence: 111 3rd Street 111 3rd Street 212 3rd Street 118 4th Street 127 4th Street 101 5th Street

Field Sample ID: 220113-D2-FT05 220115-D2-ET01 220115-D2-IT03 220114-D2-JT05 220113-D2-FT04 220115-D2-ET02 220116-D2-FT03

Sample Date: 2022-01-13 2022-01-15 2022-01-15 2022-01-14 2022-01-13 2022-01-15 2022-01-16

Sample Type: N N N N N N N

Incident Specific Parameters		DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A014rev2 D2 only	SDG: DA40955	SDG: DA40953-DA40953R	SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: C22A014rev2 D2 only	SDG: DA40955	SDG: DA40986
VOC (ug/L)	70	70	70	70	70	0.0570 U	0.500 U	--	0.500 U	0.0570 U	0.500 U	0.500 U
cis-1,2-Dichloroethene	700	7.3	700	700	700	0.141 U	0.500 U	--	0.500 U	0.141 U	0.500 U	0.500 U
Ethylbenzene	10000	13	None	None	None	0.317 U	0.500 U	--	0.500 U	0.317 U	0.500 U	0.500 U
m,p-Xylene	5	5	5	5	5	2.15 U	0.500 U	--	0.500 U	2.15 U	0.500 U	0.500 U
Methylene chloride	10000	13	None	None	None	0.157 U	0.500 U	--	0.500 U	0.157 U	0.500 U	0.500 U
o-Xylene	10	10	100	100	100	0.224 U	0.500 U	--	0.500 U	0.224 U	0.500 U	0.500 U
Styrene	5	5	5	5	5	0.125 U	0.500 U	--	0.500 U	0.125 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	1000	9.8	1000	1000	1000	0.120 U	0.500 U	--	0.500 U	0.120 U	0.500 U	0.500 U
Toluene	100	100	100	100	100	0.0958 U	0.500 U	--	0.500 U	0.0958 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	5	5	5	5	5	0.0574 U	0.500 U	--	0.500 U	0.0574 U	0.500 U	0.500 U
Trichloroethene (TCE)	2	2	2	2	2	0.611 U	0.500 U	--	0.500 U	0.611 U	0.500 U	0.500 U
Vinyl chloride	10000	13	10000	10000	10000	--	0.500 U	--	--	--	0.500 U	0.500 U
Xylenes, Total												

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID: D2-5TH0113 D2-5TH0113 D2-5TH0123 D2-5TH0206 D2-6TH0201 D2-6TH0203 D2-6TH0301 D2-AIMO0138

Location Type: Residence Residence Residence Residence Residence Residence Residence Residence

Residence: 113 5th Street 113 5th Street 123 5th Street 206 5th Street 201 6th Street 203 6th Street 301 6th Street 138 Aimokulani Alley

Field Sample ID: 20220114-D2-IT03 220114-D2-IT03 220115-D2-HT01 220117-D2-LT01 220116-D2-AT03 220116-D2-AT04 220116-D2-AT09 220111-D2-AT08

Sample Date: 2022-01-14 2022-01-14 2022-01-15 2022-01-17 2022-01-16 2022-01-16 2022-01-16 2022-01-11

Sample Type: N N N N N N N N

		DOH		Environmental		DOH Safe		Environmental		Protection	
		Incident Specific Parameters	Action Levels	Table D-1A	Groundwater Action Levels	Drinking Water Regulatory Constituents	Branch (SDWB)	Agency Maximum Contaminant Levels			
VOC (ug/L)	70	70	70			70			SDG: C22A020 rev1-Res	SDG: DA40923 D2 RES	SDG: DA40929
cis-1,2-Dichloroethene								70	--	0.500 U	0.250 U
Ethylbenzene	700	7.3				700		700	--	0.500 U	0.210 U
m,p-Xylene	10000	13				None		None	--	0.500 U	0.330 U
Methylene chloride	5	5				5		5	--	0.500 U	0.303 U
o-Xylene	10000	13				None		None	--	0.500 U	0.200 U
Styrene	10	10				100		100	--	0.500 U	0.190 U
Tetrachloroethene (PCE)	5	5				5		5	--	0.500 U	0.180 U
Toluene	1000	9.8				1000		1000	--	0.500 U	0.294 U
trans-1,2-Dichloroethene	100	100				100		100	--	0.500 U	0.259 U
Trichloroethene (TCE)	5	5				5		5	--	0.500 U	0.180 U
Vinyl chloride	2	2				2		2	--	0.500 U	0.180 U
Xylenes, Total	10000	13				10000		10000	--	0.500 U	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-AIMO0138	D2-AIMO0138	D2-APOL0124	D2-APOL0352	D2-APOL0358	D2-APOL0641	D2-BEAR0101	D2-BEAR0101
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	138 Aimokulani Alley	138 Aimokulani Alley	124 Apollo Avenue	352 Apollo Avenue	358 Apollo Avenue	641 Apollo Avenue	101 Beard Avenue	101 Beard Avenue
Field Sample ID:	220111-D2-AT10	220111-D2-AT12	220111-D2-AT04	220111-D2-IT03	220113-D2-ET09	220113-D2-GT01	220115-D2-BT01	220115-D2-BT02
Sample Date:	2022-01-11	2022-01-11	2022-01-11	2022-01-11	2022-01-13	2022-01-13	2022-01-15	2022-01-15
Sample Type:	FD	N	N	N	N	N	N	FD

		DOH		Environmental		DOH Safe		Environmental		Protection			
		Incident Specific Parameters	Groundwater Action Levels	Table D-1A	Drinking Water Regulatory Constituents	Branch (SDWB)	Agency Maximum Contaminant Levels						
VOC (ug/L)		70	70		70		70	SDG: C22A008	SDG: C22A008	SDG: C22A008_Rev3	SDG: C22A014rev2 D2 only	SDG: C22A014rev2 D2 only	SDG: DA40929
cis-1,2-Dichloroethene								0.0570 U	0.0570 U	0.0570 U	0.0570 U	0.500 U	0.500 U
Ethylbenzene		700	7.3		700		700	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U	0.500 U
m,p-Xylene		10000	13		None		None	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	0.500 U
Methylene chloride		5	5		5		5	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	0.500 U
o-Xylene		10000	13		None		None	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	0.500 U
Styrene		10	10		100		100	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	0.500 U
Tetrachloroethene (PCE)		5	5		5		5	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U	0.500 U
Toluene		1000	9.8		1000		1000	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	0.500 U
trans-1,2-Dichloroethene		100	100		100		100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	0.500 U
Trichloroethene (TCE)		5	5		5		5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	0.500 U
Vinyl chloride		2	2		2		2	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U	0.500 U
Xylenes, Total		10000	13		10000		10000	--	--	--	--	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone D2 Zone Residential DW Sampling Chemistry Results

Location ID:	D2-BEAR0211	D2-BEAR0702	D2-BEAR0702	D2-BEAR503A	D2-BEAR503A	D2-BEAR503A	D2-BLDG0017	D2-BLDG1102H
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Non-Residence	Non-Residence
Residence:	211 Beard Avenue	702 Beard Avenue	702 Beard Avenue	503 Beard Avenue	503 Beard Avenue	503 Beard Avenue	Building 17,MOBDIVSALVU ONE OPS/HDQTRS, 1092 Fort Kam Rd	Building 1102H,HEADQUARTE RS MAJOR COMMAND, 25E St
Field Sample ID:	220115-D2-IT05	220117-D2-AT04	220118-D2-MT09	20220114-D2-FT03	220114-D2-FT03	220116-D2-KT05	220118-D2-MT07	220117-D2-JT05
Sample Date:	2022-01-15	2022-01-17	2022-01-18	2022-01-14	2022-01-14	2022-01-16	2022-01-18	2022-01-17
Sample Type:	N	N	N	N	N	N	N	N

[illegible]

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Location ID:	D2-BLDG1120H	D2-BLDG1166H	D2-BLDG1200H	D2-BLDG1204H	D2-BLDG1222H	D2-BLDG1235H	D2-BLDG2030H	D2-BLDG2050H
Location Type:	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence
Residence:	Building 1120H,HICKAM MEMORIAL FITNESS CENTER, 1120 Vickers Ave	Building 1166H,NGIS - NAVY TDY	Building 1200H,BASE ENGINEER ADMINISTRATION, 75 H Street	Building 1204H,BASE ENGINEER ADMINISTRATION	Building 1222H,624 CE REGIONAL SPT GRP, 1230 Vickers Ave	Building 1235H,EXCHANGE SALES STORE (BXTRA), 20 Hickam Ct	Building 2030H,ENGINE MAINT SHOP, HGR 15&17C, 300 Hangar Ave	Building 2050H,BASE OPERATIONS, 800 Hangar Ave
Field Sample ID:	220116-D2-HT03	220116-D2-JT02	220116-D2-JT01	220116-D2-JT03	220116-D2-JT04	220117-D2-JT01	220116-D2-KT01	220116-D2-KT02
Sample Date:	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-16	2022-01-17	2022-01-16	2022-01-16
Sample Type:	N	N	N	N	N	N	N	N

VOC (ug/L)	Incident Specific Parameters	DOH		Environmental Protection Agency		DOH Safe Drinking Water Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40953-DA40953R	SDG: DA40953-DA40953R	SDG: DA40953-DA40953R	SDG: 810124441	SDG: DA40986	SDG: DA40986
		Action Levels	Table D-1A	Action Levels	Groundwater	Branch (SDWB)	Regulatory	Agency	Maximum						
cis-1,2-Dichloroethene	70	70		70		70		70		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Ethylbenzene	700	7.3		700		700		700		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
m,p-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	5		5		5		5		0.500 U	0.500 U	0.500 U	0.400 U	0.500 U	0.500 U
o-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Styrene	10	10		100		100		100		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	5	5		5		5		5		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Toluene	1000	9.8		1000		1000		1000		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	100	100		100		100		100		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Trichloroethene (TCE)	5	5		5		5		5		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Vinyl chloride	2	2		2		2		2		0.500 U	0.500 U	0.500 U	0.200 U	0.500 U	0.500 U
Xylenes, Total	10000	13		10000		10000		--		--	--	--	0.500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
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Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2065H	D2-BLDG2073H	D2-BLDG2093H	D2-BLDG425H	
	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
Residence:	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 2073H,EXCHANGE SERVICE OUTLET, 2073 Hangar Ave	Building 2093H,STORE, COMMISSARY, 20 Hickam Ct	Building 425H,SWIMMERS BATH HOUSE	
Field Sample ID:	220116-D2-HT06	220116-D2-HT07	220117-D2-JT04	220118-D2-IT06	220118-D2-IT07	220117-D2-JT06	220117-D2-JT02	220116-D2-HT04		
Sample Date:	2022-01-16	2022-01-16	2022-01-17	2022-01-18	2022-01-18	2022-01-17	2022-01-17	2022-01-16		
Sample Type:	N	FD	N	N	FD	N	N	N		

VOC (ug/L)	DOH		DOH Safe		Environmental		Environmental		SDG:		SDG:	
	Incident Parameters	Specific Action Levels	Table D-1A Groundwater Action Levels	Drinking Water Regulatory Constituents	Branch (SDWB) Constituents	Agency Maximum Contaminant Levels	Protection Agency Maximum Contaminant Levels	SDG:	SDG:	SDG:	SDG:	SDG:
cis-1,2-Dichloroethene	70	70	70	70	70	70	70	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	700	700	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
m,p-Xylene	10000	13	None	None	None	None	None	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	5	5	5	5	5	5	0.500 U	0.400 U	0.400 U	0.400 U	0.500 U
o-Xylene	10000	13	None	None	None	None	None	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Styrene	10	10	100	100	100	100	100	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	5	5	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Toluene	1000	9.8	1000	1000	1000	1000	1000	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	100	100	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	5	5	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Vinyl chloride	2	2	2	2	2	2	2	0.500 U	0.200 U	0.200 U	0.200 U	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	10000	10000	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

Residential Sampling Report for Flushing Zone

D2 Zone Residential DW Sampling

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-BLDG425H	D2-BLDG500H	D2-BLDG554H	D2-BLDG559H	D2-BLDG595H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H		
Residence:	Non-Residence	Non-Residence	Medical Building	Medical Building	Non-Residence	School	School	School		
	Building 425H, SWIMMERS BATH HOUSE	Building 500H, RELIGIOUS WORSHIP FACILITY, 925 Scott Cir	Building 554H, OCCUPATIONA L HEALTH CLINIC - AIR FORCE, 750 West Signer Blvd	Building 559H, MEDICAL/DENT AL CLINIC - AIR FORCE, 755 Scott Circle	Building 595H, BASE LIBRARY, 990 Mills Blvd	Building 613H, HICKAM ELEM - BLDG A	Building 613H, HICKAM ELEM - BLDG A	Building 613H, HICKAM ELEM - BLDG A		
Field Sample ID:	220118-D2-MT10	220117-D2-JT03	220116-D2-JT06	220116-D2-JT05	220116-D2-HT01	20220114-D2-CT01	20220114-D2-CT04	20220114-D2-FT04		
Sample Date:	2022-01-18	2022-01-17	2022-01-16	2022-01-16	2022-01-16	2022-01-14	2022-01-14	2022-01-14		
Sample Type:	N	N	N	N	N	N	N	N		

		DOH		Environmental		DOH Safe		Environmental		Protection	
		Action Levels		Table D-1A		Drinking Water		Agency		Maximum	
		Groundwater		Regulatory		(SDWB)		Constituents		Levels	
Incident Parameters	Specific Parameters	Action Levels		Action Levels		Constituents		Levels		Constituents	
VOC (ug/L)	70	70		70		70		70		70	
cis-1,2-Dichloroethene											
Ethylbenzene	700	7.3		700		700		700		700	
m,p-Xylene	10000	13		None		None		None		None	
Methylene chloride	5	5		5		5		5		5	
o-Xylene	10000	13		None		None		None		None	
Styrene	10	10		100		100		100		100	
Tetrachloroethene (PCE)	5	5		5		5		5		5	
Toluene	1000	9.8		1000		1000		1000		1000	
trans-1,2-Dichloroethene	100	100		100		100		100		100	
Trichloroethene (TCE)	5	5		5		5		5		5	
Vinyl chloride	2	2		2		2		2		2	
Xylenes, Total	10000	13		10000		10000		10000		10000	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG623H	D2-BLDG623H	D2-BLDG650H
Residence:	School	School	School	School	School	School	School	Child Development Center	Child Development Center	School
	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 623H,HARBOR CHILD DEVELOPMENT CENTER	Building 650H,HICKAM ELEM P10
Field Sample ID:	20220114-D2-FT05	220114-D2-CT01	220114-D2-CT04	220114-D2-FT04	220114-D2-FT05	220112-D2-ET02	220112-D2-ET03	20220114-D2-BT01		
Sample Date:	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-14	2022-01-12	2022-01-12	2022-01-14	2022-01-12	2022-01-14
Sample Type:	N	N	N	N	N	N	N	N	N	N

VOC (ug/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Action Levels	Groundwater	Action Levels	Constituents	Levels	Agency	DA40923 D2 RES	SDG: DA40923 D2 RES	DA40923 D2 RES	SDG: DA40923 D2 RES	SDG: C22A010	SDG: C22A010	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res
cis-1,2-Dichloroethene	70	70		70		70	70	70		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.0570 U	SDG: C22A010	0.0570 U	SDG: C22A020 rev1-Res
Ethylbenzene	700	7.3		7.3		700	700	700		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.141 U	SDG: C22A010	0.141 U	SDG: C22A020 rev1-Res
m,p-Xylene	10000	13		13		None	None	None		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.317 U	SDG: C22A010	0.317 U	SDG: C22A020 rev1-Res
Methylene chloride	5	5		5		5	5	5		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	2.15 U	SDG: C22A010	2.15 U	SDG: C22A020 rev1-Res
o-Xylene	10000	13		13		None	None	None		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.157 U	SDG: C22A010	0.157 U	SDG: C22A020 rev1-Res
Styrene	10	10		10		100	100	100		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.224 U	SDG: C22A010	0.224 U	SDG: C22A020 rev1-Res
Tetrachloroethene (PCE)	5	5		5		5	5	5		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.125 U	SDG: C22A010	0.125 U	SDG: C22A020 rev1-Res
Toluene	1000	9.8		9.8		1000	1000	1000		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.120 U	SDG: C22A010	0.120 U	SDG: C22A020 rev1-Res
trans-1,2-Dichloroethene	100	100		100		100	100	100		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.0958 U	SDG: C22A010	0.0958 U	SDG: C22A020 rev1-Res
Trichloroethene (TCE)	5	5		5		5	5	5		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.0574 U	SDG: C22A010	0.0574 U	SDG: C22A020 rev1-Res
Vinyl chloride	2	2		2		2	2	2		0.500 U	SDG: DA40923 D2 RES	0.500 U	SDG: DA40923 D2 RES	0.611 U	SDG: C22A010	0.611 U	SDG: C22A020 rev1-Res
Xylenes, Total	10000	13		13		10000	10000	10000		--	SDG: DA40923 D2 RES	--	SDG: DA40923 D2 RES	--	SDG: C22A010	--	SDG: C22A020 rev1-Res

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-BLDG650H	D2-BLDG900H	D2-BLDG901H	D2-BLDG901H	D2-BLDG920H	D2-BLDG920H	D2-BLDG926H	D2-BLDG926H	D2-BLDG926H	
	School	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	Non-Residence	
Residence:	Building 650H,HICKAM ELEM P10	Building 900H,OFFICER OPEN MESS, 10 Julian Ave	Building 901H,OFFICER OPEN MESS	Building 901H,OFFICER OPEN MESS	Building 920H,NGIS - NAVY TDY	Building 920H,NGIS - NAVY TDY	Building 926H,NGIS - NAVY TDY	Building 926H,NGIS - NAVY TDY	Building 926H,NGIS - NAVY TDY	
Field Sample ID:	220114-D2-BT01	220116-D2-HT02	220116-D2-HT05	220118-D2-LT01	220116-D2-KT04	220118-D2-MT06	220116-D2-KT03	220118-D2-MT08		
Sample Date:	2022-01-14	2022-01-16	2022-01-16	2022-01-18	2022-01-16	2022-01-18	2022-01-16	2022-01-18		
Sample Type:	N	N	N	N	N	N	N	N	N	N

VOC (ug/L)	Incident Specific Parameters	DOH		Environmental		DOH Safe Drinking Water Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG: DA40923 D2 RES	SDG: DA40953-DA40953R	SDG: DA40986	SDG: C22A038Rev2	SDG: DA41046	SDG: DA40986	SDG: DA40986	SDG: DA41079
		Action Levels	Table D-1A	Action Levels	Groundwater	Branch (SDWB)	Regulatory	Agency	Maximum								
cis-1,2-Dichloroethene	70	70		70		70		70		0.500 U	0.500 U	0.500 U	0.0570 U	0.500 U	0.500 U	0.500 U	0.500 U
Ethylbenzene	700	7.3		700		700		700		0.500 U	0.500 U	0.500 U	0.141 U	0.500 U	0.500 U	0.500 U	0.500 U
m,p-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.500 U	0.317 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylene chloride	5	5		5		5		5		0.500 U	29.4	0.500 U	186	0.500 U	0.500 U	0.500 U	0.500 U
o-Xylene	10000	13		None		None		None		0.500 U	0.500 U	0.500 U	0.157 U	0.500 U	0.500 U	0.500 U	0.500 U
Styrene	10	10		100		100		100		0.500 U	0.500 U	0.500 U	0.224 U	0.500 U	0.500 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	5	5		5		5		5		0.500 U	0.500 U	0.500 U	0.125 U	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	1000	9.8		1000		1000		1000		0.500 U	0.500 U	0.500 U	0.120 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	100	100		100		100		100		0.500 U	0.500 U	0.500 U	0.0958 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichloroethene (TCE)	5	5		5		5		5		0.500 U	0.500 U	0.500 U	0.0574 U	0.500 U	0.500 U	0.500 U	0.500 U
Vinyl chloride	2	2		2		2		2		0.500 U	0.500 U	0.500 U	0.611 U	0.500 U	0.500 U	0.500 U	0.500 U
Xylenes, Total	10000	13		10000		10000		10000		--	--	0.500 U	--	--	0.500 U	0.500 U	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-CHAL2405B D2-CHAL2407A D2-CHAL2412A D2-CHAL2415A D2-CHAL2421A D2-CHAL2424A D2-CHAL2430A D2-CHAL2437A
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 2405 Challenger Loop 2407 Challenger Loop 2412 Challenger Loop 2415 Challenger Loop 2421 Challenger Loop 2424 Challenger Loop 2430 Challenger Loop 2437 Challenger Loop

Field Sample ID: 220112-D2-GT06 220113-D2-CT04 220112-D2-HT09 220112-D2-GT08 220111-D2-ET05 220111-D2-JT03 220111-D2-HT07 220111-D2-BT14
Sample Date: 2022-01-12 2022-01-13 2022-01-12 2022-01-12 2022-01-11 2022-01-11 2022-01-11 2022-01-11
Sample Type: N N N N N N N

		DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency			
		Action Levels		Maximum Contaminant Levels		Regulatory Constituents		Maximum Contaminant Levels			
		Table D-1A									
Incident Specific Parameters		Groundwater Action Levels									
VOC (µg/L)		70		70		70		SDG: C22A010		SDG: C22A010	
cis-1,2-Dichloroethene		700		7.3		700		0.0570 U		0.0570 U	
Ethylbenzene		10000		13		None		0.141 U		0.141 U	
m,p-Xylene		5		5		5		2.15 U		2.15 U	
Methylene chloride		10000		13		None		0.157 U		0.157 U	
o-Xylene		10		10		100		0.224 U		0.224 U	
Styrene		5		5		5		0.125 U		0.125 U	
Tetrachloroethene (PCE)		1000		9.8		1000		0.120 U		0.120 U	
Toluene		100		100		100		0.0958 U		0.0958 U	
trans-1,2-Dichloroethene		5		5		5		0.0574 U		0.0574 U	
Trichloroethene (TCE)		2		2		2		0.611 U		0.611 U	
Vinyl chloride		10000		13		10000		--		--	
Xylenes, Total								0.472 U		0.472 U	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-CORN1101 D2-CORN1201 D2-FOXB1203 D2-FOXB1304 D2-FOXB1405 D2-FOXB1406 D2-FOXB1505 D2-FOXB1605
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1101 Cornet Avenue 1201 Cornet Avenue 1203 Fox Boulevard 1304 Fox Boulevard 1405 Fox Boulevard Building 1505 Fox Boulevard 1605 Fox Boulevard

Field Sample ID: 220111-D2-ET04 220111-D2-HT03 220111-D2-FT03 220111-D2-HT05 220111-D2-FT07 220111-D2-FT08 220111-D2-GT01 220111-D2-GT06
Sample Date: 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-11
Sample Type: N N N N N N N

		DOH		Environmental		Protection	
		Environmental		Drinking Water		Agency	
		Table D-1A		Branch (SDWB)		Maximum	
		Groundwater		Regulatory		Contaminant	
		Action Levels		Constituents		Levels	
VOC (µg/L)	Incident Parameters	Action Levels	DOH Safe	SDG:	SDG:	SDG:	SDG:
				C22A008	C22A008_Rev3	C22A008_Rev3	C22A008
cis-1,2-Dichloroethene	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene	700	7.3	700	0.141 U	0.141 U	0.141 U	0.141 U
m,p-Xylene	10000	13	None	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U
o-Xylene	10000	13	None	0.157 U	0.157 U	0.157 U	0.157 U
Styrene	10	10	100	0.224 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U
Toluene	1000	9.8	1000	0.120 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U
Xylenes, Total	10000	13	10000	0.472 U	--	--	0.472 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-FOXB1713 D2-FOXB1713 D2-FOXB1809 D2-FOXB1809 D2-FOXB1809 D2-FOXB1809 D2-FOXB1913 D2-FOXB1922
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1713 Fox Boulevard 1713 Fox Boulevard 1809 Fox Boulevard 1809 Fox Boulevard 1809 Fox Boulevard 1904 Fox Boulevard 1913 Fox Boulevard 1922 Fox Boulevard

Field Sample ID: 220116-D2-IT01 220117-D2-HT05 220112-D2-IT04 220117-D2-AT07 220117-D2-AT08 220117-D2-IT04 220112-D2-JT07 220112-D2-GT01
Sample Date: 2022-01-16 2022-01-17 2022-01-12 2022-01-17 2022-01-17 2022-01-17 2022-01-12 2022-01-12
Sample Type: N N N N N N N N

		DOH		Environmental		Protection	
		Environmental		Drinking Water		Agency	
		Table D-1A		Branch (SDWB)		Maximum	
		Groundwater		Regulatory		Contaminant	
		Action Levels		Constituents		Levels	
VOC (µg/L)	Incident Parameters	Action Levels	DOH Safe	SDG:	SDG:	SDG:	SDG:
cis-1,2-Dichloroethene	70	70	70	DA41046	810124441	810124441	C22A010
Ethylbenzene	700	7.3	700	0.500 U	0.0570 U	0.200 U	0.0570 U
m,p-Xylene	10000	13	None	0.500 U	0.141 U	0.200 U	0.141 U
Methylene chloride	5	5	5	0.500 U	0.317 U	0.500 U	0.317 U
o-Xylene	10000	13	None	0.500 U	2.15 U	0.400 U	2.15 U
Styrene	10	10	100	0.500 U	0.157 U	0.200 U	0.157 U
Tetrachloroethene (PCE)	5	5	5	0.500 U	0.200 U	0.200 U	0.224 U
Toluene	1000	9.8	1000	0.500 U	0.224 U	0.500 U	0.125 U
trans-1,2-Dichloroethene	100	100	100	0.500 U	0.200 U	0.500 U	0.120 U
Trichloroethene (TCE)	5	5	5	0.500 U	0.200 U	0.200 U	0.0958 U
Vinyl chloride	2	2	2	0.500 U	0.0574 U	0.500 U	0.0574 U
Xylenes, Total	10000	13	10000	0.500 U	0.611 U	0.500 U	0.611 U
				--	--	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-FOXB1930
Location Type: Residence
Residence: 1930 Fox Boulevard

D2-FOXB2002
Residence
2002 Fox Boulevard

D2-FOXB2003
Residence
2003 Fox Boulevard

D2-FOXB2031
Residence
2031 Fox Boulevard

D2-GEMI0312
Residence
312 Gemini Avenue

D2-GEMI0717
Residence
717 Gemini Avenue

D2-HOAA0902
Residence
902 Hoano Alley

Field Sample ID: 220112-D2-JT05
Sample Date: 2022-01-12
Sample Type: N

220111-D2-GT02
2022-01-11
N

220111-D2-BT12
2022-01-11
N

220111-D2-BT04
2022-01-11
N

220116-D2-IT03
2022-01-16
N

220116-D2-IT04
2022-01-16
N

220118-D2-MT01
2022-01-18
N

220112-D2-ET04
2022-01-12
N

		DOH		Environmental Protection Agency		DOH Safe Drinking Water Branch (SDWB)		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:	
		Incident Specific Parameters		Action Levels		Regulatory Constituents		SDG: C22A010		SDG: C22A008		SDG: C22A008		SDG: DA41046	
VOC (ug/L)		70		70		70		0.0570 U		0.0570 U		0.500 U		0.0570 U	
cis-1,2-Dichloroethene	700	7.3		700		700		0.141 U		0.141 U		0.500 U		0.141 U	
	10000	13		None		None		0.317 U		0.317 U		0.500 U		0.317 U	
	5	5		5		5		2.15 U		2.15 U		0.500 U		2.15 U	
	10000	13		None		None		0.157 U		0.157 U		0.500 U		0.157 U	
	10	10		100		100		0.224 U		0.224 U		0.500 U		0.224 U	
Tetrachloroethene (PCE)	5	5		5		5		0.125 U		0.125 U		0.500 U		0.125 U	
	1000	9.8		1000		1000		0.120 U		0.120 U		0.500 U		0.120 U	
trans-1,2-Dichloroethene	100	100		100		100		0.0958 U		0.0958 U		0.500 U		0.0958 U	
	5	5		5		5		0.0574 U		0.0574 U		0.500 U		0.0574 U	
Trichloroethene (TCE)	2	2		2		2		0.611 U		0.611 U		0.500 U		0.611 U	
	10000	13		10000		10000		0.472 U		0.472 U		0.500 U		0.472 U	
Xylenes, Total								--		--		--		--	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-HOAA0905 D2-HONU0118 D2-HOOP0911 D2-HOOP0918 D2-HUIL0343 D2-JULI0004 D2-JULI0104 D2-JULI0107
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 905 Hoaano Alley 118 Honu Alley 911 Hoopinana Alley 918 Hoopinana Alley 343 Huilanui Alley 4 Julian Avenue 104 Julian Avenue 107 Julian Avenue

Field Sample ID: 220112-D2-GT03 220111-D2-AT06 220112-D2-HT03 220117-D2-HT03 220111-D2-ET01 220115-D2-BT04 220114-D2-IT05 220115-D2-BT08
Sample Date: 2022-01-12 2022-01-11 2022-01-12 2022-01-17 2022-01-11 2022-01-15 2022-01-14 2022-01-15
Sample Type: N N N N N N N

VOC (µg/L)		Incident Parameters	Specific Groundwater Action Levels	DOH Environmental Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A010	SDG: C22A008_Rev3	SDG: C22A010	SDG: 810124441	SDG: C22A008	SDG: DA40923 D2 RES	SDG: DA40929
cis-1,2-Dichloroethene	70	70	70	70	70	70	0.0570 U	0.0570 U	0.0570 U	0.200 U	0.0570 U	0.500 U	0.500 U
Ethylbenzene	700	7.3	700	700	700	700	0.141 U	0.141 U	0.141 U	0.200 U	0.141 U	0.500 U	0.500 U
m,p-Xylene	10000	13	None	None	None	None	0.317 U	0.317 U	0.317 U	0.500 U	0.317 U	0.500 U	0.500 U
Methylene chloride	5	5	5	5	5	5	2.15 U	2.15 U	2.15 U	0.400 U	2.15 U	0.500 U	0.500 U
o-Xylene	10000	13	None	None	None	None	0.157 U	0.157 U	0.157 U	0.200 U	0.157 U	0.500 U	0.500 U
Styrene	10	10	100	100	100	100	0.224 U	0.224 U	0.224 U	0.200 U	0.224 U	0.500 U	0.500 U
Tetrachloroethene (PCE)	5	5	5	5	5	5	0.125 U	0.125 U	0.125 U	0.200 U	0.125 U	0.500 U	0.500 U
Toluene	1000	9.8	1000	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.200 U	0.120 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	100	100	100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.200 U	0.0958 U	0.500 U	0.500 U
Trichloroethene (TCE)	5	5	5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.200 U	0.0574 U	0.500 U	0.500 U
Vinyl chloride	2	2	2	2	2	2	0.611 U	0.611 U	0.611 U	0.200 U	0.611 U	0.500 U	0.500 U
Xylenes, Total	10000	13	10000	10000	10000	10000	--	--	--	0.500 U	0.472 U	--	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-KAMA0422	D2-KAUW0631	D2-KAUW0631	D2-KAUW0631	D2-KAWE0521	D2-KAWE0525	D2-KAWE0671	D2-KOAA0501	D2-KOAA0501	
Residence:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	
	422 Kamakoa Alley	631 Kauwenaole Alley	631 Kauwenaole Alley	631 Kauwenaole Alley	521 Kawehiwehi Street	525 Kawehiwehi Street	671 Kawehiwehi Street	501 Koaina Alley	501 Koaina Alley	
Field Sample ID:	220112-D2-BT06	220112-D2-BT10	220112-D2-BT12	220111-D2-BT12	220111-D2-BT01	220111-D2-BT01	220116-D2-BT05	220114-D2-BT04	220114-D2-BT04	
Sample Date:	2022-01-12	2022-01-12	2022-01-12	2022-01-12	2022-01-11	2022-01-11	2022-01-16	2022-01-14	2022-01-14	
Sample Type:	FD	N	N	FD	N	N	N	N	N	

VOC (ug/L)	Incident Specific Parameters	DOH		DOH Safe Drinking Water Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels		SDG:		SDG:		SDG:		SDG:	
		Action Levels	Table D-1A	Branch (SDWB)	Regulatory	Agency	Maximum	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:	SDG:
cis-1,2-Dichloroethene	70	70		70	70	70	70	C22A010	C22A010	C22A010	C22A008_Rev3	C22A008	DA40986	C22A020 rev1-Res	DA40923 D2 RES
Ethylbenzene	700	7.3		700	700	700	700	0.141 U	0.141 U	0.141 U	0.141 U	0.141 U	0.500 U	--	0.500 U
m,p-Xylene	10000	13		None	None	None	None	0.317 U	0.317 U	0.317 U	0.317 U	0.317 U	0.500 U	--	0.500 U
Methylene chloride	5	5		5	5	5	5	2.15 U	2.15 U	2.15 U	2.15 U	2.15 U	0.500 U	--	0.500 U
o-Xylene	10000	13		None	None	None	None	0.157 U	0.157 U	0.157 U	0.157 U	0.157 U	0.500 U	--	0.500 U
Styrene	10	10		100	100	100	100	0.224 U	0.224 U	0.224 U	0.224 U	0.224 U	0.500 U	--	0.500 U
Tetrachloroethene (PCE)	5	5		5	5	5	5	0.125 U	0.125 U	0.125 U	0.125 U	0.125 U	0.500 U	--	0.500 U
Toluene	1000	9.8		1000	1000	1000	1000	0.120 U	0.120 U	0.120 U	0.120 U	0.120 U	0.500 U	--	0.500 U
trans-1,2-Dichloroethene	100	100		100	100	100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.0958 U	0.500 U	--	0.500 U
Trichloroethene (TCE)	5	5		5	5	5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.0574 U	0.500 U	--	0.500 U
Vinyl chloride	2	2		2	2	2	2	0.611 U	0.611 U	0.611 U	0.611 U	0.611 U	0.500 U	--	0.500 U
Xylenes, Total	10000	13		10000	10000	10000	10000	--	--	--	--	--	0.500 U	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:										
Location Type:	D2-KULE0606 Residence	D2-KUMA0281 Residence	D2-KUMA0295 Residence	D2-LELE0621 Residence	D2-LEWA0278 Residence	D2-LEWA0321 Residence	D2-LEWA0336 Residence	D2-LEWA0382 Residence		
Residence:	606 Kulekia Alley	281 Kumama Alley	295 Kumama Alley	621 Lelemanu Alley	278 Lewa Hia Loop	321 Lewa Mawaho Loop	336 Lewa Mawaho Loop	382 Lewahana Loop		
Field Sample ID:	220113-D2-GT03	220112-D2-ET05	220116-D2-AT05	220117-D2-IT01	220117-D2-HT01	220113-D2-GT04	220112-D2-HT05	220112-D2-HT11		
Sample Date:	2022-01-13	2022-01-12	2022-01-16	2022-01-17	2022-01-17	2022-01-13	2022-01-12	2022-01-12		
Sample Type:	N	N	N	N	N	N	N	N		

		DOH		Environmental		DOH Safe		Environmental		Protection	
		Incident Specific Parameters	Action Levels	Table D-1A	Groundwater	Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels				
VOC (ug/L)		70	70			70		SDG: C22A014rev2 D2 only	SDG: C22A010	SDG: DA40986	SDG: DA41046
cis-1,2-Dichloroethene							70	0.0570 U	0.0570 U	0.0570 U	0.0570 U
Ethylbenzene		700	7.3			700	700	0.141 U	0.141 U	0.141 U	0.141 U
m,p-Xylene		10000	13			None	None	0.317 U	0.317 U	0.317 U	0.317 U
Methylene chloride		5	5			5	5	2.15 U	2.15 U	2.15 U	2.15 U
o-Xylene		10000	13			None	None	0.157 U	0.157 U	0.157 U	0.157 U
Styrene		10	10			100	100	0.224 U	0.224 U	0.224 U	0.224 U
Tetrachloroethene (PCE)		5	5			5	5	0.125 U	0.125 U	0.125 U	0.125 U
Toluene		1000	9.8			1000	1000	0.120 U	0.120 U	0.120 U	0.120 U
trans-1,2-Dichloroethene		100	100			100	100	0.0958 U	0.0958 U	0.0958 U	0.0958 U
Trichloroethene (TCE)		5	5			5	5	0.0574 U	0.0574 U	0.0574 U	0.0574 U
Vinyl chloride		2	2			2	2	0.611 U	0.611 U	0.611 U	0.611 U
Xylenes, Total		10000	13			10000	10000	--	--	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-LEWA0409 D2-MERC0212 D2-MERC0222 D2-MERC0232 D2-MONT0300 D2-MONT0303 D2-OPUL0431 D2-PONAO402
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 409 Lewa Mawaho Loop 212 Mercury Street 222 Mercury Street 232 Mercury Street 300 Monthan Street 303 Monthan Street 431 Opulepule Alley 402 Ponanonana Alley

Field Sample ID: 220111-D2-JT04 220111-D2-HT11 220111-D2-HT09 220111-D2-BT08 220115-D2-BT07 220115-D2-ET05 220112-D2-BT08 220117-D2-LT06
Sample Date: 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-15 2022-01-15 2022-01-12 2022-01-17
Sample Type: N N N N N N N N

		DOH		Environmental		DOH Safe		Environmental		Protection			
		Incident Specific		Action Levels		Drinking Water		Table D-1A		Agency			
		Parameters		Groundwater		Regulatory		Constituents		Maximum			
				Action Levels		Constituents		Levels					
VOC (µg/L)		70	70			70						SDG:	SDG:
cis-1,2-Dichloroethene												C22A008	DA40953-DA40953R
													C22A010
													2A18014
cis-1,2-Dichloroethene		70	70			70				70		0.0570 U	0.0570 U
Ethylbenzene		700	7.3			700				700		0.141 U	0.141 U
m,p-Xylene		10000	13			None				None		0.317 U	0.317 U
Methylene chloride		5	5			5				5		2.15 U	2.15 U
o-Xylene		10000	13			None				None		0.157 U	0.157 U
Styrene		10	10			100				100		0.224 U	0.224 U
Tetrachloroethene (PCE)		5	5			5				5		0.125 U	0.125 U
Toluene		1000	9.8			1000				1000		0.120 U	0.120 U
trans-1,2-Dichloroethene		100	100			100				100		0.0958 U	0.0958 U
Trichloroethene (TCE)		5	5			5				5		0.0574 U	0.0574 U
Vinyl chloride		2	2			2				2		0.611 U	0.611 U
Xylenes, Total		10000	13			10000				10000		--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-PORT0904 D2-PORT0904 D2-PORT0904 D2-PORT1302 D2-PORT1308 D2-PORT1726 D2-PORT1810 D2-PORT1824 D2-PORT1902
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 904 Porter Avenue 904 Porter Avenue 1302 Porter Avenue 1308 Porter Avenue 1726 Porter Avenue 1810 Porter Avenue 1824 Porter Avenue 1902 Porter Avenue

Field Sample ID: 220115-D2-HT02 220115-D2-HT03 220111-D2-FT09 220111-D2-FT06 220112-D2-IT06 220112-D2-FT07 220113-D2-ET04 220117-D2-HT06
Sample Date: 2022-01-15 2022-01-15 2022-01-11 2022-01-11 2022-01-12 2022-01-12 2022-01-13 2022-01-17
Sample Type: N N FD N N N N N N

		DOH		Environmental		DOH Safe		Environmental		Protection			
		Incident Specific		Action Levels		Drinking Water		Agency					
		Parameters		Groundwater		Regulatory		Maximum					
		Action Levels		Constituents		Levels							
VOC (µg/L)		70	70	70	70	70	70	70	70	70	70	SDG: DA40929	SDG: DA41046
cis-1,2-Dichloroethene												0.500 U	0.500 U
Ethylbenzene												0.500 U	0.500 U
m,p-Xylene												0.500 U	0.500 U
Methylene chloride												0.500 U	0.500 U
o-Xylene												0.500 U	0.500 U
Styrene												0.500 U	0.500 U
Tetrachloroethene (PCE)												0.500 U	0.500 U
Toluene												0.500 U	0.500 U
trans-1,2-Dichloroethene												0.500 U	0.500 U
Trichloroethene (TCE)												0.500 U	0.500 U
Vinyl chloride												0.500 U	0.500 U
Xylenes, Total												0.500 U	0.500 U

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-PORT1917
Location Type: Residence
Residence: 1917 Porter Avenue

D2-SIGN0202
Residence
202 Signer Boulevard

D2-SIGN0406
Residence
406 Signer Boulevard

D2-SIGN0504A
Residence
504 Signer Boulevard

D2-SIGN1001
Residence
1001 Signer Boulevard

D2-SIGN203C
Residence
203 Signer Boulevard

D2-SIGN302B
Residence
302 Signer Boulevard

Field Sample ID: 220112-D2-FT09
Sample Date: 2022-01-12
Sample Type: N

220115-D2-HT04
2022-01-15
N

220118-D2-MT05
2022-01-18
N

220115-D2-IT04
2022-01-15
N

22020114-D2-IT01
2022-01-14
N

220114-D2-IT01
2022-01-14
N

220115-D2-HT05
2022-01-15
N

220115-D2-JT03
2022-01-15
N

		DOH		Environmental		Protection	
		Incident Specific Parameters	Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency Maximum Contaminant Levels		
VOC (µg/L)		70	70	70	70	SDG: C22A010	SDG: DA40953-DA40953R
cis-1,2-Dichloroethene					70	0.0570 U	0.500 U
Ethylbenzene		700	7.3	700	700	0.141 U	0.500 U
m,p-Xylene		10000	13	None	None	0.317 U	0.500 U
Methylene chloride		5	5	5	5	2.15 U	0.500 U
o-Xylene		10000	13	None	None	0.157 U	0.500 U
Styrene		10	10	100	100	0.224 U	0.500 U
Tetrachloroethene (PCE)		5	5	5	5	0.125 U	0.500 U
Toluene		1000	9.8	1000	1000	0.120 U	0.500 U
trans-1,2-Dichloroethene		100	100	100	100	0.0958 U	0.500 U
Trichloroethene (TCE)		5	5	5	5	0.0574 U	0.500 U
Vinyl chloride		2	2	2	2	0.611 U	0.500 U
Xylenes, Total		10000	13	10000	10000	--	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-SIGN401A D2-SIGN403A D2-TINK0102 D2-TINK0108 D2-TINK0114 D2-TINK1616 D2-TINK1705 D2-TINK1814
Location Type: Residence Residence Residence Residence Residence Residence Residence Residence
Residence: 401 Signer Boulevard 403 Signer Boulevard 102 Tinker Drive 108 Tinker Drive 114 Tinker Drive 1616 Tinker Avenue 1705 Tinker Avenue 1814 Tinker Avenue

Field Sample ID: 220117-D2-LT05 220116-D2-FT01 220113-D2-ET02 220113-D2-ET03 220117-D2-LT02 220117-D2-IT05 220115-D2-JT05 220111-D2-IT05
Sample Date: 2022-01-17 2022-01-16 2022-01-13 2022-01-13 2022-01-17 2022-01-17 2022-01-15 2022-01-11
Sample Type: N N N N N N N N

		DOH		Environmental		Environmental		Protection	
		Incident Specific Parameters	Action Levels	Table D-1A	Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Agency	Maximum Contaminant Levels	
VOC (µg/L)		70	70			70			
cis-1,2-Dichloroethene							70		
Ethylbenzene	700		7.3			700		700	
m,p-Xylene	10000		13			None		None	
Methylene chloride	5		5			5		5	
o-Xylene	10000		13			None		None	
Styrene	10		10			100		100	
Tetrachloroethene (PCE)	5		5			5		5	
Toluene	1000		9.8			1000		1000	
trans-1,2-Dichloroethene	100		100			100		100	
Trichloroethene (TCE)	5		5			5		5	
Vinyl chloride	2		2			2		2	
Xylenes, Total	10000		13			10000		10000	

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-TINK1901 D2-TINK1926 D2-TINK2004 D2-WILS0201 D2-WORT0101 D2-WORT0201 D2-WORT0401
Location Type: Residence Residence Residence Residence Residence Residence Residence
Residence: 1901 Tinker Avenue 1926 Tinker Avenue 2004 Tinker Avenue 201 Wilson Street 101 Worthington Avenue 201 Worthington Avenue 401 Worthington Avenue

Field Sample ID: 220111-D2-JT05 220111-D2-BT01 220111-D2-GT05 220111-D2-ET02 220115-D2-BT05 220115-D2-JT06 220115-D2-JT04
Sample Date: 2022-01-11 2022-01-11 2022-01-11 2022-01-11 2022-01-15 2022-01-15 2022-01-15
Sample Type: N N N N N N N

		DOH		Environmental		DOH Safe		Environmental		Protection			
		Incident Specific Parameters	Environmental Action Levels Table D-1A	Groundwater Action Levels	Drinking Water Regulatory Constituents	Branch (SDWB)	Agency Maximum Contaminant Levels						
VOC (ug/L)		70	70	70	70			SDG: C22A008	SDG: C22A008_Rev3	SDG: C22A008	SDG: C22A025 rev1	SDG: DA40929	SDG: DA40953-DA40953R
cis-1,2-Dichloroethene							70	0.0570 U	0.0570 U	0.0570 U	--	0.500 U	0.500 U
Ethylbenzene		700	7.3	700	700		700	0.141 U	0.141 U	0.141 U	--	0.500 U	0.500 U
m,p-Xylene		10000	13		None		None	0.317 U	0.317 U	0.317 U	--	0.500 U	0.500 U
Methylene chloride		5	5	5	5		5	2.15 U	2.15 U	2.15 U	--	0.500 U	0.500 U
o-Xylene		10000	13		None		None	0.157 U	0.157 U	0.157 U	--	0.500 U	0.500 U
Styrene		10	10	100	100		100	0.224 U	0.224 U	0.224 U	--	0.500 U	0.500 U
Tetrachloroethene (PCE)		5	5	5	5		5	0.125 U	0.125 U	0.125 U	--	0.500 U	0.500 U
Toluene		1000	9.8		1000		1000	0.120 U	0.120 U	0.120 U	--	0.500 U	0.500 U
trans-1,2-Dichloroethene		100	100	100	100		100	0.0958 U	0.0958 U	0.0958 U	--	0.500 U	0.500 U
Trichloroethene (TCE)		5	5	5	5		5	0.0574 U	0.0574 U	0.0574 U	--	0.500 U	0.500 U
Vinyl chloride		2	2	2	2		2	0.611 U	0.611 U	0.611 U	--	0.500 U	0.500 U
Xylenes, Total		10000	13		10000		10000	0.472 U	--	0.472 U	--	0.500 U	--

Residential Sampling Report for Flushing Zone
D2 Zone Residential DW Sampling
Chemistry Results
Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:
Location Type:

Residence:

D2-WORT0505
Residence

505 Worthington Avenue

Field Sample ID:
Sample Date:
Sample Type:

220116-D2-IT02
2022-01-16
N

VOC (ug/L)		Incident Parameters	Specific Groundwater Action Levels	DOH Environmental Action Levels Table D-1A	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40986
cis-1,2-Dichloroethene		70	70	70	70	70	0.500 U
Ethylbenzene		700	7.3	700	700	700	0.500 U
m,p-Xylene		10000	13	None	None	None	0.500 U
Methylene chloride		5	5	5	5	5	0.500 U
o-Xylene		10000	13	None	None	None	0.500 U
Styrene		10	10	100	100	100	0.500 U
Tetrachloroethene (PCE)		5	5	5	5	5	0.500 U
Toluene		1000	9.8	1000	1000	1000	0.500 U
trans-1,2-Dichloroethene		100	100	100	100	100	0.500 U
Trichloroethene (TCE)		5	5	5	5	5	0.500 U
Vinyl chloride		2	2	2	2	2	0.500 U
Xylenes, Total		10000	13	10000	10000	10000	0.500 U

March 7, 2022

From: Naval Facilities Engineering Systems Command Representative, IDWS Team
To: Interagency Drinking Water System Team

SUBJ: ZONE D2 EXCEEDANCE INVESTIGATION SUMMARY AND RESULTS

Ref: (a) DoH's Guidance on the Approach to Amending the Public Health Advisory,
Addendum 1 dtd 12 FEB 2022

Encl: (1) Zone D2 ISP or MCL Exceedance Report
(2) Zone D2 ISP or MCL Exceedance Resample Report
(3) DoH TPH Sample Results for Zone D2
(4) Zone D2 TPH Exceedance Map Area and Resampling Locations
(5) Hawaii State Department of Health Petroleum Hydrocarbons in Water Health Effects
(6) B901H Water Restrictions Memo dated 7 MAR 2022
(7) National Primary Drinking Water Regulation, EPA 816-F-09-004
(8) DoH SVOC Sample Results for Zone D2

1. This letter documents the investigation into exceedances of incident specific parameters (ISP) and Safe Drinking Water Act (SDWA) maximum contaminant levels (MCLs) in Zone D2. Enclosure (1) documents exceedances from distribution and building (residence and non-residences) sampling test results for the ISP total organic carbon (TOC) of 2 parts per million in the distribution system and residences, the ISP for total petroleum hydrocarbons of 211 parts per billion (ppb) in a distribution sample, methylene chloride in a non-residence, and beryllium in a residence.

2. The IDWST reviewed the TOC distribution and building sample results in their entirety. All of the exceedance of the ISP were between 2 ppm and 4 ppm with the exception of a single sample. A single sample at 403 Worthington had a sample result value of 7.72 ppm. The IDWST decided that further investigation was warranted through additional sampling and flushing. The unit was sampled, flushed and resampled. The sample results are documented in enclosure (2). The initial sample was 0.64 ppm and the resample after flushing was non-detect for TOC. In regards to TOC, the IDWST determined that no further action was required beyond the long term monitoring sampling for Zone D2.

3. The IDWST reviewed the TPH distribution and building sample results in their entirety. A single sample at sample location FH 509 had a sample test result of 260 ppb. All other samples including the DoH samples contained in enclosure (3) were below the ISP for TPH. Based on this information and review of all sample locations geographically as shown in figure 1 of enclosure (4), the IDWST determined that the evidence supported a localized issue. The IDWST recommended to resample location FH 509 and sample location FH 519 for TPH to determine if further investigation was required. Both samples were non-detect for TPH as documented in enclosure (2) and shown in figure 2 of enclosure (4). In regards to TPH, the IDWST determined that no further action was required beyond the long term monitoring sampling for Zone D2. Enclosure (5) contains information about the health effects of petroleum hydrocarbons in water.

SUBJ: ZONE D2 EXCEEDANCE INVESTIGATION SUMMARY AND RESULTS

4. Methylene chloride, which is also referred to as dichloromethane, was detected at a value of 29.4 ppb and 186 ppb at location B901H as documented in enclosure (1). The MCL for methylene chloride is 5 ppb. B901H is the Hickam Officer's Club. The building is closed for future renovations. The IDWST reviewed the information and determined that isolation of the facility from the distribution system through a backflow preventer or by securing a valve was needed to ensure that the source of contamination could not impact the rest of the public water system. Enclosure (6) documents the existence of a backflow prevention device for the facility and the closure of the restrooms that are accessible from the outside of the facility. The building's water will be sampled and the test results provided to DoH prior to removing any restrictions on the use of water at this facility. Enclosure (7) provides the potential health effects of dichloromethane, which is also referred to as methylene chloride, from long-term exposure above the MCL.

5. Beryllium was detected at a value of 8.4 ppb at location 504A Signer Boulevard as documented in enclosure (1). The MCL for beryllium is 4 ppb. 504 Signer Boulevard is an eight unit complex. The IDWST reviewed the test results of all sample locations and determined that although it was likely to be a premise plumbing issue, further investigation was warranted through additional sampling and flushing. The entire complex was sampled, flushed and resampled. The sample results are documented in enclosure (2). All sample results were non-detect for beryllium. In regards to beryllium, the IDWST determined that no further action was required beyond the long term monitoring sampling for Zone D2. Enclosure (7) provides the potential health effects from long-term exposure above the MCL.

6. Enclosures (3) and (8) are the test results for samples taken by DoH. There were no exceedances above the MCL or exceedances above the ISP that required further action. The Navy and DoH laboratory reports will be made publicly available at <https://jbphh-safewaters.org/> upon amendment of the health advisory for Zone D2.

7. I certify under penalty of law that I have personally examined and I am familiar with the information submitted and the submitted information is true, accurate, and complete.

MENO.MICHAEL
EL.WAYNE.JR.
1088310035

Digitally signed by
MENO.MICHAEL.WA
YNE.JR.1088310035
Date: 2022.03.07
21:25:25 -10'00'

M. W. Meno
Captain, U.S. Navy Civil Engineer Corps

Zone D2 ISP or MCL Exceedance Report

Multiple Events

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-10TH0206	D2-14TH0210	D2-1ST0202	D2-4TH0118	D2-5TH0101	D2-5TH0206	D2-BEAR503A	D2-BLDG1166H
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Non-Residence
Residence:	206 10th Street	210 14th Street	202 1st Street	118 4th Street	101 5th Street	206 5th Street	503 Beard Avenue	Building 1166H,NGIS - NAVY TDY
Field Sample ID:	220115-D2-JT02	220117-D2-HT04	220117-D2-LT04	20220114-D2-JT05	220116-D2-FT03	220117-D2-LT01	20220114-D2-FT03	220116-D2-JT02
Sample Date:	2022-01-15	2022-01-17	2022-01-17	2022-01-14	2022-01-16	2022-01-17	2022-01-14	2022-01-16
Sample Type:	FD	N	FD	N	N	N	N	N

GENCHEM (mg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A025 rev1	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A028 rev1
Total Organic Carbon		2	None	None	None	3.42	2.54	2.72	2.81 J	2.41	3.16 J	2.25
HC (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A025 rev1	SDG: C22A034	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A028 rev1
Petroleum Hydrocarbons (as Motor Oil)		200	500	None	None	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons		211				--	--	--	--	--	--	--
METAL (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A025 rev1	SDG: C22A034	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A028 rev1
Beryllium		4	0.66	4	4	--	--	--	--	--	--	--
VOC (µg/L)		Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A025 rev1	SDG: C22A034	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A034	SDG: C22A020 rev1-Res	SDG: C22A028 rev1
Methylene chloride		5	5	5	5	--	--	--	--	--	--	--

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Results highlighted yellow exceed the ISP

Results in purple font also exceed the EALS

Results in green font also exceed the DOH MCL

Results in blue font also exceed the EPA MCL

Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

mg/L = Milligrams per Liter

Zone D2 ISP or MCL Exceedance Report

Multiple Events

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-BLDG1222H	D2-BLDG2065H	D2-BLDG554H	D2-BLDG559H	D2-BLDG613H	D2-BLDG613H	D2-BLDG613H	D2-BLDG650H
Location Type:	Non-Residence	Non-Residence	Medical Building	Medical Building	School	School	School	School
Residence:	Building 1222H,624 CE REGIONAL SPT GRP, 1230 Vickers Ave	Building 2065H,SKATEBOARD PARK (INDOOR)	Building 554H,OCCUPATIONA L HEALTH CLINIC - AIR FORCE, 750 West Signer Blvd	Building 559H,MEDICAL/DENT AL CLINIC - AIR FORCE, 755 Scott Circle	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 613H,HICKAM ELEM - BLDG A	Building 650H,HICKAM ELEM P10
Field Sample ID:	220116-D2-JT04	220117-D2-JT04	220116-D2-JT06	220116-D2-JT05	2220114-D2-CT01	20220114-D2-CT04	20220114-D2-FT04	20220114-D2-BT01
Sample Date:	2022-01-16	2022-01-17	2022-01-16	2022-01-16	2022-01-14	2022-01-14	2022-01-14	2022-01-14
Sample Type:	N	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res
Total Organic Carbon	2	None	None	None	2.36	2.21	2.18	3.22	2.61 J	2.12 J	2.70 J

HC (ug/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--	--

METAL (ug/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res
Beryllium	4	0.66	4	4	--	--	--	--	--	--	--

VOC (ug/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A028 rev1	SDG: C22A028 rev1	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res	SDG: C22A020 rev1-Res
Methylene chloride	5	5	5	5	--	--	--	--	--	--	--

Zone D2 ISP or MCL Exceedance Report

Multiple Events

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-BLDG900H	D2-BLDG901H	D2-BLDG901H	D2-FOX1713	D2-GEMI0312	D2-HYD0079	D2-HYD0498
Location Type:	Non-Residence	Non-Residence	Non-Residence	Residence	Residence	Hydrant	Hydrant
Residence:	Building 900H,OFFICER OPEN MESS, 10 Julian Ave	Building 901H,OFFICER OPEN MESS	Building 901H,OFFICER OPEN MESS	1713 Fox Boulevard	312 Gemini Avenue	FH:519	FH:509
Field Sample ID:	220116-D2-HT02	220116-D2-HT05	220118-D2-LT01	220116-D2-IT01	220116-D2-IT04	20220114-D2-WT03	20220114-D2-WT04
Sample Date:	2022-01-16	2022-01-16	2022-01-18	2022-01-16	2022-01-16	2022-01-14	2022-01-14
Sample Type:	N	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	Action Levels	Regulatory Constituents	Contaminant Levels	C22A028 rev1	DA40986	C22A038Rev2	C22A028 rev1	C22A028 rev1	2.28	2.58	2.12 J	2.10 J
Total Organic Carbon													
	2	None	None	None	2.99	--	--	--	3.26				
		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: C22A028 rev1	SDG: DA40986	SDG: C22A038Rev2	SDG: C22A028 rev1	SDG: C22A028 rev1				SDG: C22A020 rev1-Dis
HC (µg/L)	Incident Specific Parameters	Action Levels											
Petroleum Hydrocarbons (as Motor Oil) 200													
	200	500	None	None	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons 211													
	211	--	--	--	--	--	--	--	--	--	--	--	--
		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels									
METAL (µg/L)	Incident Specific Parameters	Action Levels			SDG: C22A028 rev1	SDG: DA40986	SDG: C22A038Rev2	SDG: C22A028 rev1	SDG: C22A028 rev1				SDG: C22A020 rev1-Dis
Beryllium 4													
	4	0.66	4	4	--	--	--	--	--	--	--	--	--
		DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels									
VOC (µg/L)	Incident Specific Parameters	Action Levels			SDG: C22A028 rev1	SDG: DA40986	SDG: C22A038Rev2	SDG: C22A028 rev1	SDG: C22A028 rev1				SDG: C22A020 rev1-Dis
Methylene chloride 5													
	5	5	5	5	--	29.4	186	--	--	--	--	--	--

Section 2b.3 Exceedance Investigation Summary and Resample Results

Zone D2 ISP or MCL Exceedance Report

Multiple Events

Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID: D2-HYD0498 D2-HYD219 D2-HYD365 D2-HYD420 D2-HYD551 D2-KAWE0671 D2-PONA0402 D2-SIGN0202

Location Type: Hydrant Hydrant Hydrant Hydrant Hydrant Residence Residence Residence

Residence: FH:509 FH:219 FH:365 FH:420 FH:551 671 Kawehiwehi Street 402 Ponanonana Alley 202 Signer Boulevard

Field Sample ID: 220114-D2-WT04 20220114-D2-VT03 20220114-D2-WT02 20220114-D2-WT07 202116-D2-IT05 220117-D2-LT06 220115-D2-HT04

Sample Date: 2022-01-14 2022-01-14 2022-01-14 2022-01-14 2022-01-16 2022-01-17 2022-01-15

Sample Type: N N N N N N N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A025 rev1
Total Organic Carbon	2	None	None	None	--	2.44 J	3.69 J	2.90 J	2.65 J	2.60	2.58	4.02

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A025 rev1
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				260	--	--	--	--	--	--

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A025 rev1
Beryllium	4	0.66	4	4	--	--	--	--	--	--	--

VOC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: 5801093321_DIS	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A020 rev1-Dis	SDG: C22A028 rev1	SDG: C22A034	SDG: C22A025 rev1
Methylene chloride	5	5	5	5	--	--	--	--	--	--	--

Zone D2 ISP or MCL Exceedance Report

Location ID:	D2-SIGN0504A	D2-SIGN302B	D2-SIGN401A	D2-WORT0201	D2-WORT0401	D2-WORT0505
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	504 Signer Boulevard	302 Signer Boulevard	401 Signer Boulevard	201 Worthington Avenue	401 Worthington Avenue	505 Worthington Avenue
Field Sample ID:	220115-D2-IT04	220115-D2-JT03	220117-D2-LT05	220115-D2-JT06	220115-D2-JT04	220116-D2-IT02
Sample Date:	2022-01-15	2022-01-15	2022-01-17	2022-01-15	2022-01-15	2022-01-16
Sample Type:	N	N	N	N	N	N
GENCHEM (mg/L)	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40953-DA40953R	SDG: C22A025 rev1	SDG: C22A028 rev1
Total Organic Carbon	2	None	None	2.53	2.63	3.24
HC (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40953-DA40953R	SDG: C22A025 rev1	SDG: C22A028 rev1
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	--	--	--
Total Petroleum Hydrocarbons	211	--	--	--	--	--
METAL (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40953-DA40953R	SDG: C22A025 rev1	SDG: C22A028 rev1
Beryllium	4	0.66	4	--	--	--
VOC (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater Action Levels	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA40953-DA40953R	SDG: C22A025 rev1	SDG: C22A028 rev1
Methylene chloride	5	5	5	--	--	--

Zone D2 ISP or MCL Exceedance Resample Report
D2 Zone Residential DW and Distribution Resampling
Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-HYD0079	D2-HYD0498	D2-SIGN0504A	D2-SIGN0504A	D2-SIGN0504A	D2-SIGN0504B	D2-SIGN0504B
Location Type:	Hydrant	Hydrant	Residence	Residence	Residence	Residence	Residence
Residence:	FH:519	FH:509	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard
Field Sample ID:	D2-DL-0017714-22047-N	D2-DL-0017715-22047-N	D2-TW-0008451-22047-3-N-R1	D2-TW-0008451-22047-3-N-R1	D2-TW-0008452-22047-3-N	D2-TW-0008452-22047-N	D2-TW-0008452-22047-N-R1
Sample Date:	2022-02-16	2022-02-16	2022-02-18	2022-02-18	2022-02-17	2022-02-17	2022-02-18
Sample Type:	N	N	N	FD	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42142	SDG: DA42142	SDG: DA42144	SDG: DA42165	SDG: DA42144	SDG: DA42165
Total Organic Carbon	2	None	None	None	--	--	--	--	--	--

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42142	SDG: DA42142	SDG: DA42144	SDG: DA42165	SDG: DA42144	SDG: DA42165
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	52.0 U	52.0 U	--	--	--	--
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	40.0 U	40.0 U	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	52.0 U	52.0 U	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42142	SDG: DA42142	SDG: DA42144	SDG: DA42165	SDG: DA42144	SDG: DA42165
Mercury	2	0.025	2	2	--	--	0.0250 U	0.0250 U	0.0250 U	0.0250 U

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42142	SDG: DA42142	SDG: DA42144	SDG: DA42165	SDG: DA42144	SDG: DA42165
Antimony	6	6	6	6	--	--	0.100 U	0.100 U	0.100 U	0.100 U
Arsenic	10	10	10	10	--	--	0.500 U	0.500 UJ	0.500 U	0.500 UJ
Barium	2000	220	2000	2000	--	--	2.10	1.90 J	1.90 J	3.00
Beryllium	4	0.66	4	4	--	--	0.150 U	0.150 U	0.150 U	0.150 U
Cadmium	5	3	5	5	--	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Chromium	100	11	100	100	--	--	1.60 J	1.90 J	1.50 J	2.10
Copper	1300	2.9	1300	1300	--	--	98.3	88.7	52.6	111
Lead	15	5.6	15	15	--	--	0.500 U	0.140 J	0.130 U	0.810
Selenium	50	5	50	50	--	--	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	2	2	--	--	0.0500 U	0.0500 U	0.0710 J	0.0500 U

Notes:

-- indicates that the sample was Not Analyzed for the analyte

Zone D2 ISP or MCL Exceedance Resample Report D2 Zone Residential DW and Distribution Resampling Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-SIGN504C	D2-SIGN504C	D2-SIGN504C	D2-SIGN504E	D2-SIGN504E	D2-SIGN504F	D2-SIGN504F	D2-SIGN504H	D2-SIGN504H
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard
Field Sample ID:	D2-TW-0008453-22047-N	D2-TW-0008453-22047-N-R1	D2-TW-0008454-22047-N	D2-TW-0008454-22047-N	D2-TW-0008454-22047-N-R1	D2-TW-0008455-22047-N	D2-TW-0008455-22047-N-R1	D2-TW-0008456-22047-N	D2-TW-0008456-22047-N-R1
Sample Date:	2022-02-17	2022-02-18	2022-02-17	2022-02-17	2022-02-18	2022-02-17	2022-02-18	2022-02-17	2022-02-18
Sample Type:	N	N	N	N	N	N	N	N	N

GENCHEM (mg/L)									
Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
	2	None	None	SDG: DA42165	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42161	SDG: DA42165
Total Organic Carbon									
HC (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
	200	400	None	SDG: DA42165	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42161	SDG: DA42165
	Petroleum Hydrocarbons (as Diesel)	400	None	--	--	--	--	--	--
	Petroleum Hydrocarbons (as Gasoline)	300	None	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	--	--	--	--	--	--
Total Petroleum Hydrocarbons									
HG (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
	2	0.025	2	SDG: DA42165	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42161	SDG: DA42165
	Mercury	2	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
METAL (µg/L)	DOH Environmental Action Levels Table D-1A Groundwater		DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents		Environmental Protection Agency Maximum Contaminant Levels				
	6	6	6	SDG: DA42165	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42161	SDG: DA42165
	Antimony	6	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
	Arsenic	10	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	2000	220	2000	2.00	1.90 J	2.00	1.90 J	1.90 J	1.90 J
Beryllium	4	0.66	4	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U	0.150 U
Cadmium	5	3	5	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Chromium	100	11	100	1.90 J	1.70 J	1.90 J	1.60 J	1.60 J	2.00
Copper	1300	2.9	1300	69.0	30.0	61.1	38.0	59.0	35.1
Lead	15	5.6	15	0.160 J	0.150 J	0.160 J	0.640 J	0.230 J	0.270 J
Selenium	50	5	50	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U
Thallium	2	2	2	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Zone D2 ISP or MCL Exceedance Resample Report
D2 Zone Residential DW and Distribution Resampling
Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Location ID:	D2-SIGN504I	D2-SIGN504I	D2-SIGN504K	D2-SIGN504K	D2-WORT0401	D2-WORT0403
Location Type:	Residence	Residence	Residence	Residence	Residence	Residence
Residence:	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	504 Signer Boulevard	401 Worthington Avenue	403 Worthington Avenue
Field Sample ID:	D2-TW-0008457-22047-N	D2-TW-0008457-22047-NR1	D2-TW-0008458-22047-N	D2-TW-0008458-22047-NR1	D2-TW-1370975-22047-N	D2-TW-0007884-22047-N
Sample Date:	2022-02-17	2022-02-18	2022-02-17	2022-02-18	2022-02-16	2022-02-17
Sample Type:	N	N	N	N	N	N

GENCHEM (mg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42165	SDG: DA42143	SDG: DA42144
Total Organic Carbon	2	None	None	None	--	--	--	--	0.640	0.200 U

HC (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42165	SDG: DA42143	SDG: DA42144
Petroleum Hydrocarbons (as Diesel)	200	400	None	None	--	--	--	--	--	--
Petroleum Hydrocarbons (as Gasoline)	200	300	None	None	--	--	--	--	--	--
Petroleum Hydrocarbons (as Motor Oil)	200	500	None	None	--	--	--	--	--	--
Total Petroleum Hydrocarbons	211				--	--	--	--	--	--

HG (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42165	SDG: DA42143	SDG: DA42144
Mercury	2	0.025	2	2	0.0250 U	0.0250 U	0.0250 U	0.0250 U	--	--

METAL (µg/L)	Incident Specific Parameters	DOH Environmental Action Levels Table D-1A Groundwater	DOH Safe Drinking Water Branch (SDWB) Regulatory Constituents	Environmental Protection Agency Maximum Contaminant Levels	SDG: DA42161	SDG: DA42165	SDG: DA42144	SDG: DA42165	SDG: DA42143	SDG: DA42144
Antimony	6	6	6	6	0.100 U	0.100 U	0.100 U	0.100 U	--	--
Arsenic	10	10	10	10	0.500 U	0.500 UJ	0.500 U	0.500 UJ	--	--
Barium	2000	220	2000	2000	2.00	2.00	2.00	2.00	--	--
Beryllium	4	0.66	4	4	0.150 U	0.150 U	0.150 U	0.150 U	--	--
Cadmium	5	3	5	5	0.0500 U	0.0500 U	0.0500 U	0.0500 U	--	--
Chromium	100	11	100	100	1.50 J	1.80 J	1.80 J	1.90 J	--	--
Copper	1300	2.9	1300	1300	48.0	28.7	96.1	39.3	--	--
Lead	15	5.6	15	15	5.50	1.20	1.40	0.140 J	--	--
Selenium	50	5	50	50	0.300 U	0.300 U	0.300 U	0.300 U	--	--
Thallium	2	2	2	2	0.0670 J	0.0570 J	0.0500 U	0.0660 J	--	--

Zone D2 ISP or MCL Exceedance Resample Report
D2 Zone Residential DW and Distribution Resampling
Chemistry Results

Drinking Water Sampling, JBPHH, Oahu Hawaii

Results highlighted yellow exceed the ISP
Results in purple font also exceed the EALs
Results in green font also exceed the DOH MCL
Results in blue font also exceed the EPA MCL
Results from G1/G3 sampling, where the G3 result is greater than the G1 result, have a red border and the associated G1/G3 result in parentheses for comparison

µg/L = Micrograms per Liter

ID No.	Index	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor	
PF-12	12	1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	C8-C44	56			ug/L	Detected	D2	Distribution	Yes	NO ODOR	
PF-12	12	1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	Yes	NO ODOR	
PF-12	12	1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	Yes	NO ODOR	
PF-12	12	1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	Yes	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	TPH-g	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Hangar Avenue	O'Malley Blvd	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Hangar Avenue	O'Malley Blvd	60		J+	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Hangar Avenue	O'Malley Blvd	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Hangar Avenue	O'Malley Blvd	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-59	59	1/4/2022	Zone D-2 Distribution	18th St	Hangar Avenue	O'Malley Blvd	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-60	60	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	71	B.J	U	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-60	60	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	40	J	U	ug/L	Not Detected	D2	Residential	No	NO ODOR	
PF-60	60	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR	
PF-60	60	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR	
PF-60	60	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR	
PF-61	61	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	77	J B.J	U	ug/L	Detected	D2	Residential	No	NO ODOR	
PF-61	61	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	48	J	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-61	61	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-61	61	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-61	61	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-63	63	1/4/2022	Zone D-2 Distribution	18th St	Freedom Ave	TPH-g	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-63	63	1/4/2022	Zone D-2 Distribution	18th St	Freedom Ave	C8-C44	52		J+	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-63	63	1/4/2022	Zone D-2 Distribution	18th St	Freedom Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-63	63	1/4/2022	Zone D-2 Distribution	18th St	Freedom Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-63	63	1/4/2022	Zone D-2 Distribution	18th St	Freedom Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-64	64	1/4/2022	Zone D-2 Distribution	18th St	Seaman Ave	TPH-g	69	B.J	U	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-64	64	1/4/2022	Zone D-2 Distribution	18th St	Seaman	C8-C44	43	J.J	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-64	64	1/4/2022	Zone D-2 Distribution	18th St	Seaman	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-64	64	1/4/2022	Zone D-2 Distribution	18th St	Seaman	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-64	64	1/4/2022	Zone D-2 Distribution	18th St	Seaman	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-66	66	1/4/2022	Zone D-2 Distribution	18th St	Lewahana Loop	TPH-g	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-66	66	1/4/2022	Zone D-2 Distribution	18th St	Lewahana Loop	C8-C44	51		J+	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-66	66	1/4/2022	Zone D-2 Distribution	18th St	Lewahana Loop	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-66	66	1/4/2022	Zone D-2 Distribution	18th St	Lewahana Loop	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-66	66	1/4/2022	Zone D-2 Distribution	18th St	Lewahana Loop	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-68	68	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	66	J B.J	U	ug/L	Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-68	68	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	41	J	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-68	68	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-68	68	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-68	68	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-69	69	1/4/2022	Zone D-2 Distribution	18th St	Apollo Ave	TPH-g	74	B.J	U	ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-69	69	1/4/2022	Zone D-2 Distribution	18th St	Apollo Ave	C8-C44	95			ug/L	Detected	D2	Distribution	No	NO ODOR	
PF-69	69	1/4/2022	Zone D-2 Distribution	18th St	Apollo Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-69	69	1/4/2022	Zone D-2 Distribution	18th St	Apollo Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-69	69	1/4/2022	Zone D-2 Distribution	18th St	Apollo Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Distribution	No	NO ODOR	
PF-70	70	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	64	B.J	U	ug/L	Detected	D2	Non-Residential	No	NO ODOR	
PF-70	70	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	37	J.J	U	ug/L	Not Detected	D2	Non-Residential	No	NO ODOR	
PF-70	70	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Non-Residential	No	NO ODOR	
PF-70	70	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Non-Residential	No	NO ODOR	
PF-70	70	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Non-Residential	No	NO ODOR	
PF-71	71	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	0	0	0
PF-71	71	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	68		J+	ug/L	Detected	D2	Residential	0	0	0
PF-71	71	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	0	0	0
PF-71	71	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	0	0	0
PF-71	71	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	0	0	0
PF-72	72	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	TPH-g	62	B.J	U	ug/L	Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-72	72	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	C8-C44	47	J.J	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-72	72	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted
PF-72	72	1/4/2022	Zone D-2 Distribution	18th St	Porter Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted	Not Noted

ID No.	Index	Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Results Unit	Results Category	Zone	Feature Type	Sheen Present	Odor
PF-72	72	1/14/2022	011422-24-04	Manzelman Cir	Porter Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-80	80	1/15/2022	011522-16-03	4th St	Signer Blvd	TPH-g	71	JBJ	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-80	80	1/15/2022	011522-16-03	4th St	Signer Blvd	C8-C44	42	J	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-80	80	1/15/2022	011522-16-03	4th St	Signer Blvd	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-80	80	1/15/2022	011522-16-03	4th St	Signer Blvd	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-80	80	1/15/2022	011522-16-03	4th St	Signer Blvd	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-82	82	1/15/2022	011522-16-04	3rd St	Worthington Ave	TPH-g	76	JBJ	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-82	82	1/15/2022	011522-16-04	3rd St	Worthington Ave	C8-C44	46	J	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-82	82	1/15/2022	011522-16-04	3rd St	Worthington Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-82	82	1/15/2022	011522-16-04	3rd St	Worthington Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-82	82	1/15/2022	011522-16-04	3rd St	Worthington Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	No	NO ODOR
PF-100	100	1/12/2022	011222-50-02	Julian Wy	Julian Ave	C8-C44	66	U	U	ug/L	Detected	D2	Residential	Not Noted	Not Noted
PF-100	100	1/12/2022	011222-50-02	Julian Wy	Julian Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-100	100	1/12/2022	011222-50-02	Julian Wy	Julian Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-100	100	1/12/2022	011222-50-02	Julian Wy	Julian Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-100	100	1/12/2022	011222-50-02	Julian Wy	Julian Ave	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-104	104	1/12/2022	011222-50-03	Julian Wy	Julian Ave	C8-C44	43	J	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-104	104	1/12/2022	011222-50-03	Julian Wy	Julian Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-104	104	1/12/2022	011222-50-03	Julian Wy	Julian Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-104	104	1/12/2022	011222-50-03	Julian Wy	Julian Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-104	104	1/12/2022	011222-50-03	Julian Wy	Julian Ave	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-105	105	1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-105	105	1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	C8-C44	48	J	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-105	105	1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-105	105	1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-105	105	1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-106	106	1/12/2022	011222-50-01	13th St	Fox Blvd	C8-C44	54	U	U	ug/L	Detected	D2	Residential	Not Noted	Not Noted
PF-106	106	1/12/2022	011222-50-01	13th St	Fox Blvd	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-106	106	1/12/2022	011222-50-01	13th St	Fox Blvd	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-106	106	1/12/2022	011222-50-01	13th St	Fox Blvd	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-106	106	1/12/2022	011222-50-01	13th St	Fox Blvd	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	Not Noted	Not Noted
PF-206	206	1/13/2022	011322-43-03	4th St	Signer Blvd	TPH-g	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-206	206	1/13/2022	011322-43-03	4th St	Signer Blvd	C8-C44	41	J	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-206	206	1/13/2022	011322-43-03	4th St	Signer Blvd	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-206	206	1/13/2022	011322-43-03	4th St	Signer Blvd	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-206	206	1/13/2022	011322-43-03	4th St	Signer Blvd	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-208	208	1/13/2022	011322-43-04	3rd	Signer Blvd	TPH-g	47	J	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-208	208	1/13/2022	011322-43-04	3rd	Signer Blvd	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-208	208	1/13/2022	011322-43-04	3rd	Signer Blvd	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-208	208	1/13/2022	011322-43-04	3rd	Signer Blvd	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D2	Residential	No	Odorless
PF-81	81	1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	TPH-g	ND	U	U	ug/L	Not Detected	D3	Distribution	No	No
PF-81	81	1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	C8-C44	55	J+	U	ug/L	Detected	D3	Distribution	No	No
PF-81	81	1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Diesel Range Organics (DRO)-C10-C28	ND	U	U	ug/L	Not Detected	D3	Distribution	No	No
PF-81	81	1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Gas Range Organics C8-C10	ND	U	U	ug/L	Not Detected	D3	Distribution	No	No
PF-81	81	1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Oil Range Organics (C28-C40)	ND	U	U	ug/L	Not Detected	D3	Distribution	No	No

Bold= Detected

Exceeds the ISP

Zone D2 TPH Exceedance Map Area and Resampling Locations

Figure 1 Zone D2 TPH Exceedance Map Area

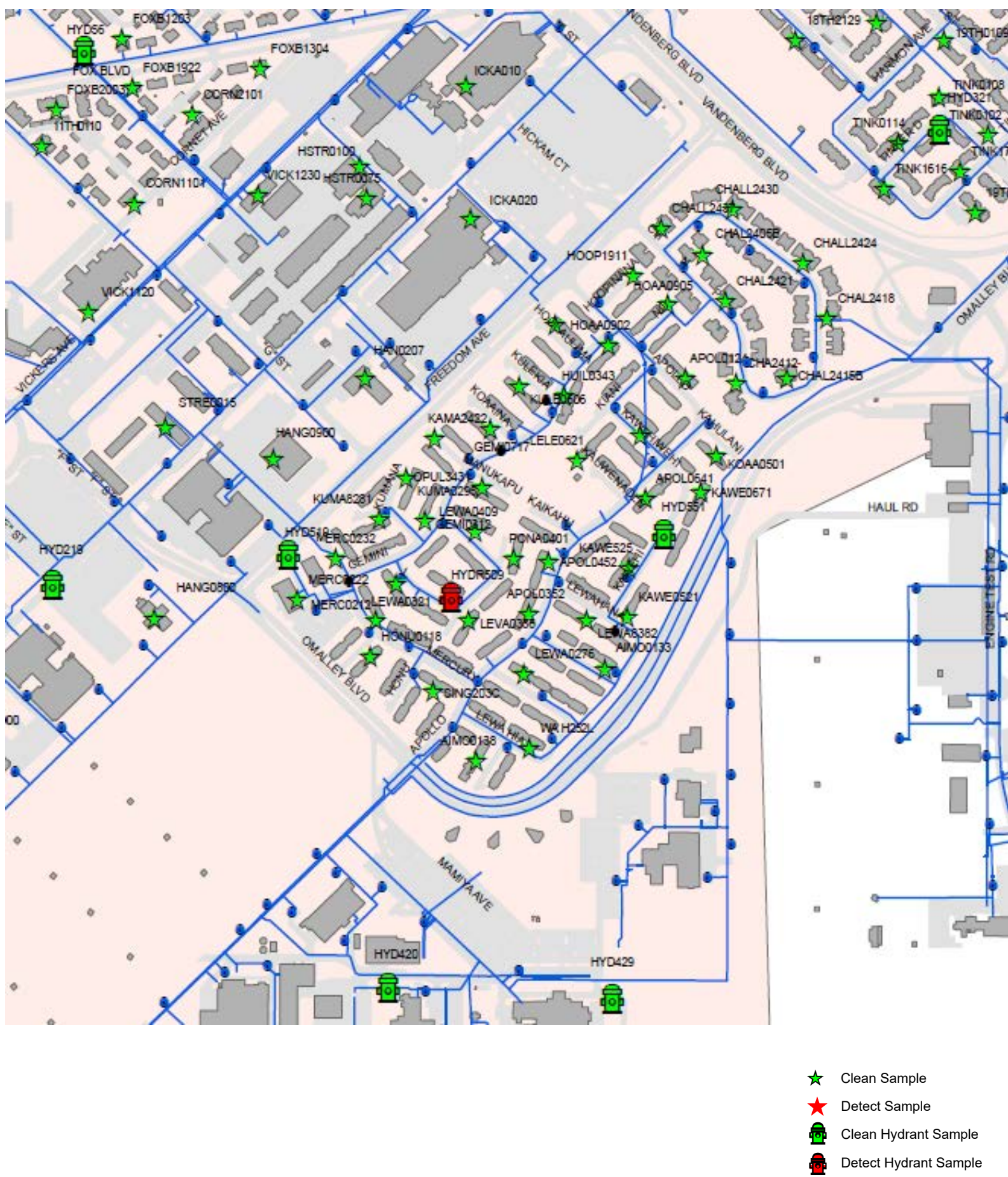
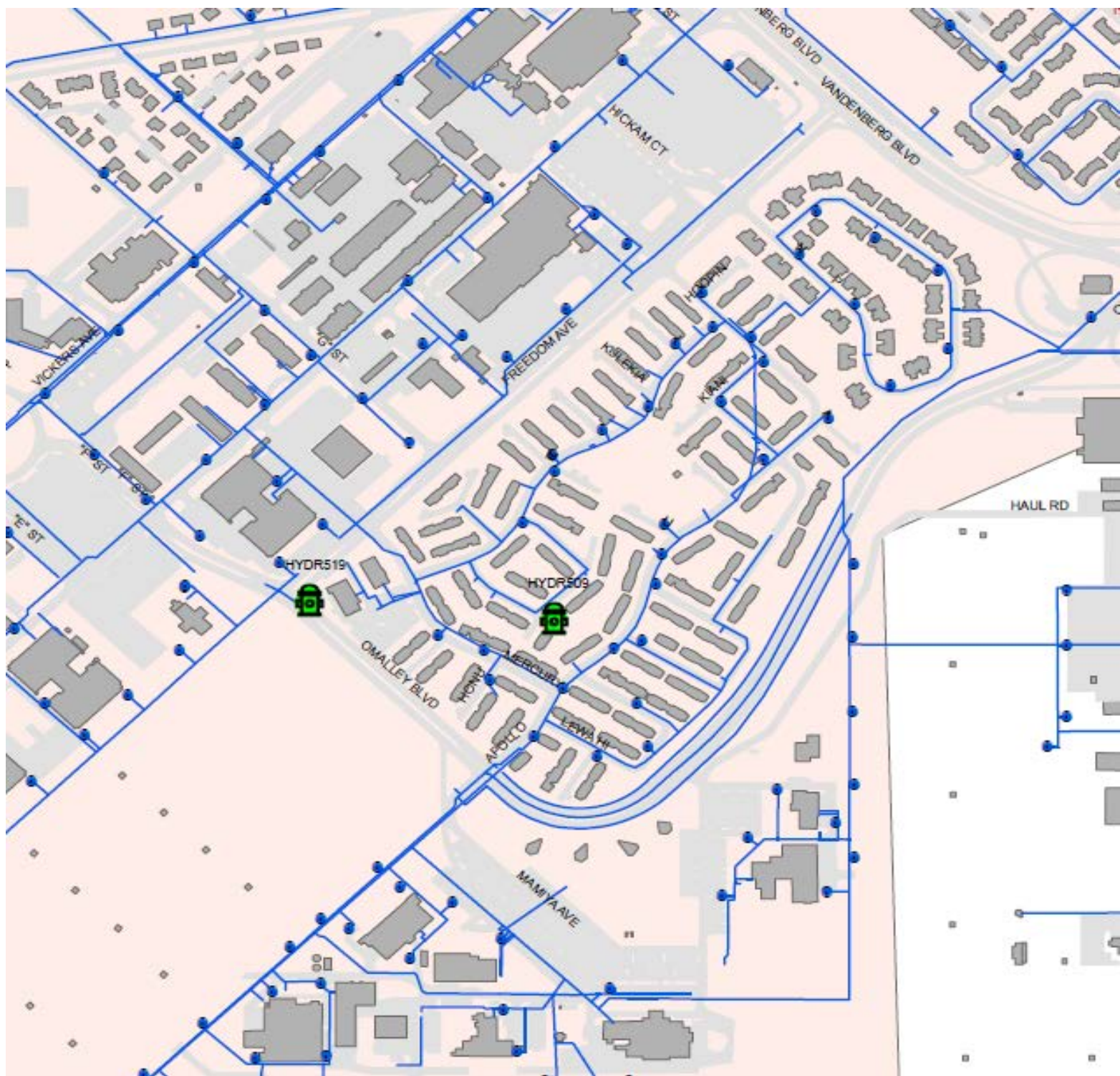
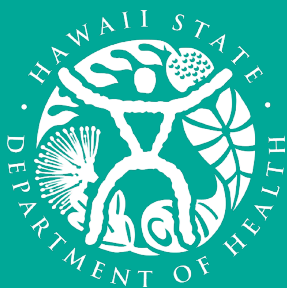


Figure 2 Zone D2 TPH Resample Locations



- ★ Clean Sample
- ★ Detect Sample
- 🚒 Clean Hydrant Sample
- 🚒 Detect Hydrant Sample



Petroleum Hydrocarbons in Water: Health Effects



What happens if I swallow water with petroleum?

Drinking water containing petroleum hydrocarbons can cause an upset stomach, stomach cramping, nausea, vomiting, and diarrhea. Your throat and mouth may also get irritated.



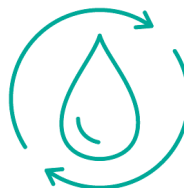
What happens if water with petroleum gets on my skin?

Petroleum hydrocarbons can irritate the skin (dermal exposure). Continuous exposure can cause itchy rash with red and peeling skin. After skin contact, always wash with soap and clean water.



What happens if I breathe air that smells like petroleum?

Breathing petroleum vapors (also called inhalational exposure) can cause headaches, dizziness, tiredness and respiratory problems like cough and difficulty breathing. Nosebleeds are possible.



How can this affect my future health?

Evaluation of the possibility of long-term health effects is ongoing. Based on current information, people exposed to contaminated drinking water from the Joint Base Pearl Harbor-Hickam Drinking Water System in this incident are not expected to experience long-term health effects.

What should I do if I have symptoms after exposure to contaminated water?

- If there is a strong petroleum smell, **leave the area and get fresh air.**
- If you develop respiratory problems or other severe symptoms, **seek urgent medical evaluation.**
- **Contact your primary care doctor** for an appointment.
- **Avoid exposure to the water.** Do not drink or use the water for cooking or brushing teeth. Do not bathe in the water. If skin contact, always wash with soap and clean water
- **Call the Hawaii Poison Center (800) 222-1222 for questions.**



- **Primary Care Doctor**
- **Hawaii Poison Center (800) 222-1222**

For more information, visit health.hawaii.gov/NavyWater

07 March 2022

MEMORANDUM

From: Public Works Officer, Joint Base Pearl Harbor-Hickam

To: Interagency Drinking Water System Team

Subj: TEMPORARY WATER RESTRICTIONS AT B901H

Encl: (1) Schematic showing backflow preventer at B901H

(2) Photos of closure signage and backflow preventer

1. This memo documents the measures taken to ensure that recent indications of methylene chloride in samples taken at B901H present no risk to people or the water system.
2. B901H is known as the Historic Hickam Officers Club, and has been secured for over a year pending award of a major renovation contract. However, the exterior rear lanai is occasionally used for social events, and therefore the area underwent minor repairs and repainting in the past few months to allow the restrooms to be utilized. Some of the materials used in the repairs may have included the subject constituent, but no products were disposed of on the ground or in proximity to potable water systems.
3. B901H is downstream of a backflow preventer as shown in Enclosure 1, and a photo of the device is shown in Enclosure 2. The water distribution system will not be affected by constituents within B901H. Pending a resampling and retesting of the water at B901H, I have placed closure signage (Enclosure (2)) on the doors of each restroom. These are the only accessible water sources for the public. These will not be removed until we have a clean potable water sample report for this facility.

Very respectfully,

HARMEYER.RANDALL
.ERNEST.1186692663

Digitally signed by
HARMEYER.RANDALL.ERNEST.11
86692663
Date: 2022.03.07 07:59:31 -10'00'

R. E. HARMEYER
CAPT, CEC, USN

Bldg 901H - Backflow location



2/20/2022, 2:53:43 PM

Water Line

--- Main, Non-Coded

--- Main, Abandoned

--- Main, Temporary

--- Main, Under Construction

--- Service, In Service

--- Service, Non-Coded

--- Service, Abandoned

--- Service, Proposed

--- Service, Temporary

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Enclosure 2

ENCL (6)


















National Primary Drinking Water Regulations



Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Acrylamide	TT ⁴	Nervous system or blood problems; increased risk of cancer	Added to water during sewage/ wastewater treatment	zero
 Alachlor	0.002	Eye, liver, kidney, or spleen problems; anemia; increased risk of cancer	Runoff from herbicide used on row crops	zero
 Alpha/photon emitters	15 picocuries per Liter (pCi/L)	Increased risk of cancer	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation	zero
 Antimony	0.006	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	0.006
 Arsenic	0.010	Skin damage or problems with circulatory systems, and may have increased risk of getting cancer	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production wastes	0
 Asbestos (fibers >10 micrometers)	7 million fibers per Liter (MFL)	Increased risk of developing benign intestinal polyps	Decay of asbestos cement in water mains; erosion of natural deposits	7 MFL
 Atrazine	0.003	Cardiovascular system or reproductive problems	Runoff from herbicide used on row crops	0.003
 Barium	2	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	2
 Benzene	0.005	Anemia; decrease in blood platelets; increased risk of cancer	Discharge from factories; leaching from gas storage tanks and landfills	zero
 Benzo(a)pyrene (PAHs)	0.0002	Reproductive difficulties; increased risk of cancer	Leaching from linings of water storage tanks and distribution lines	zero
 Beryllium	0.004	Intestinal lesions	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries	0.004
 Beta photon emitters	4 millirems per year	Increased risk of cancer	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation	zero
 Bromate	0.010	Increased risk of cancer	Byproduct of drinking water disinfection	zero
 Cadmium	0.005	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints	0.005
 Carbofuran	0.04	Problems with blood, nervous system, or reproductive system	Leaching of soil fumigant used on rice and alfalfa	0.04

LEGEND



Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Carbon tetrachloride	0.005	Liver problems; increased risk of cancer	Discharge from chemical plants and other industrial activities	zero
 Chloramines (as Cl ₂)	MRDL=4.0 ¹	Eye/nose irritation; stomach discomfort; anemia	Water additive used to control microbes	MRDLG=4¹
 Chlordane	0.002	Liver or nervous system problems; increased risk of cancer	Residue of banned termiticide	zero
 Chlorine (as Cl ₂)	MRDL=4.0 ¹	Eye/nose irritation; stomach discomfort	Water additive used to control microbes	MRDLG=4¹
 Chlorine dioxide (as ClO ₂)	MRDL=0.8 ¹	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Water additive used to control microbes	MRDLG=0.8¹
 Chlorite	1.0	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Byproduct of drinking water disinfection	0.8
 Chlorobenzene	0.1	Liver or kidney problems	Discharge from chemical and agricultural chemical factories	0.1
 Chromium (total)	0.1	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits	0.1
 Copper	TT ⁵ ; Action Level=1.3	Short-term exposure: Gastrointestinal distress. Long-term exposure: Liver or kidney damage. People with Wilson's Disease should consult their personal doctor if the amount of copper in their water exceeds the action level	Corrosion of household plumbing systems; erosion of natural deposits	1.3
 <i>Cryptosporidium</i>	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Cyanide (as free cyanide)	0.2	Nerve damage or thyroid problems	Discharge from steel/metal factories; discharge from plastic and fertilizer factories	0.2
 2,4-D	0.07	Kidney, liver, or adrenal gland problems	Runoff from herbicide used on row crops	0.07
 Dalapon	0.2	Minor kidney changes	Runoff from herbicide used on rights of way	0.2
 1,2-Dibromo-3-chloropropane (DBCP)	0.0002	Reproductive difficulties; increased risk of cancer	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	zero
 o-Dichlorobenzene	0.6	Liver, kidney, or circulatory system problems	Discharge from industrial chemical factories	0.6
 p-Dichlorobenzene	0.075	Anemia; liver, kidney, or spleen damage; changes in blood	Discharge from industrial chemical factories	0.075
 1,2-Dichloroethane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	zero

LEGEND



DISINFECTANT











DISINFECTION
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MICROORGANISM

ORGANIC
CHEMICAL

RADIONUCLIDES

ENCL (7)

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 1,1-Dichloroethylene	0.007	Liver problems	Discharge from industrial chemical factories	0.007
 cis-1,2-Dichloroethylene	0.07	Liver problems	Discharge from industrial chemical factories	0.07
 trans-1,2-Dichloroethylene	0.1	Liver problems	Discharge from industrial chemical factories	0.1
 Dichloromethane	0.005	Liver problems; increased risk of cancer	Discharge from industrial chemical factories	zero
 1,2-Dichloropropane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	zero
 Di(2-ethylhexyl) adipate	0.4	Weight loss, liver problems, or possible reproductive difficulties	Discharge from chemical factories	0.4
 Di(2-ethylhexyl) phthalate	0.006	Reproductive difficulties; liver problems; increased risk of cancer	Discharge from rubber and chemical factories	zero
 Dinoseb	0.007	Reproductive difficulties	Runoff from herbicide used on soybeans and vegetables	0.007
 Dioxin (2,3,7,8-TCDD)	0.00000003	Reproductive difficulties; increased risk of cancer	Emissions from waste incineration and other combustion; discharge from chemical factories	zero
 Diquat	0.02	Cataracts	Runoff from herbicide use	0.02
 Endothall	0.1	Stomach and intestinal problems	Runoff from herbicide use	0.1
 Endrin	0.002	Liver problems	Residue of banned insecticide	0.002
 Epichlorohydrin	TT ⁴	Increased cancer risk; stomach problems	Discharge from industrial chemical factories; an impurity of some water treatment chemicals	zero
 Ethylbenzene	0.7	Liver or kidney problems	Discharge from petroleum refineries	0.7
 Ethylene dibromide	0.00005	Problems with liver, stomach, reproductive system, or kidneys; increased risk of cancer	Discharge from petroleum refineries	zero
 Fecal coliform and <i>E. coli</i>	MCL ⁶	Fecal coliforms and <i>E. coli</i> are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes may cause short term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.	Human and animal fecal waste	zero⁶

LEGEND



DISINFECTANT
















DISINFECTION
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CHEMICAL

RADIONUCLIDES

ENCL (7)

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Fluoride	4.0	Bone disease (pain and tenderness of the bones); children may get mottled teeth	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories	4.0
 <i>Giardia lamblia</i>	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Glyphosate	0.7	Kidney problems; reproductive difficulties	Runoff from herbicide use	0.7
 Haloacetic acids (HAA5)	0.060	Increased risk of cancer	Byproduct of drinking water disinfection	n/a⁹
 Heptachlor	0.0004	Liver damage; increased risk of cancer	Residue of banned termiticide	zero
 Heptachlor epoxide	0.0002	Liver damage; increased risk of cancer	Breakdown of heptachlor	zero
 Heterotrophic plate count (HPC)	TT ⁷	HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.	HPC measures a range of bacteria that are naturally present in the environment	n/a
 Hexachlorobenzene	0.001	Liver or kidney problems; reproductive difficulties; increased risk of cancer	Discharge from metal refineries and agricultural chemical factories	zero
 Hexachloro-cyclopentadiene	0.05	Kidney or stomach problems	Discharge from chemical factories	0.05
 Lead	TT ⁵ ; Action Level=0.015	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities; Adults: Kidney problems; high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits	zero
 <i>Legionella</i>	TT ⁷	Legionnaire's Disease, a type of pneumonia	Found naturally in water; multiplies in heating systems	zero
 Lindane	0.0002	Liver or kidney problems	Runoff/leaching from insecticide used on cattle, lumber, and gardens	0.0002
 Mercury (inorganic)	0.002	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands	0.002
 Methoxychlor	0.04	Reproductive difficulties	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, and livestock	0.04
 Nitrate (measured as Nitrogen)	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	10

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RADIONUCLIDES

ENCL (7)

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 Nitrite (measured as Nitrogen)	1	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	1
 Oxamyl (Vydate)	0.2	Slight nervous system effects	Runoff/leaching from insecticide used on apples, potatoes, and tomatoes	0.2
 Pentachlorophenol	0.001	Liver or kidney problems; increased cancer risk	Discharge from wood-preserving factories	zero
 Picloram	0.5	Liver problems	Herbicide runoff	0.5
 Polychlorinated biphenyls (PCBs)	0.0005	Skin changes; thymus gland problems; immune deficiencies; reproductive or nervous system difficulties; increased risk of cancer	Runoff from landfills; discharge of waste chemicals	zero
 Radium 226 and Radium 228 (combined)	5 pCi/L	Increased risk of cancer	Erosion of natural deposits	zero
 Selenium	0.05	Hair or fingernail loss; numbness in fingers or toes; circulatory problems	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines	0.05
 Simazine	0.004	Problems with blood	Herbicide runoff	0.004
 Styrene	0.1	Liver, kidney, or circulatory system problems	Discharge from rubber and plastic factories; leaching from landfills	0.1
 Tetrachloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from factories and dry cleaners	zero
 Thallium	0.002	Hair loss; changes in blood; kidney, intestine, or liver problems	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories	0.0005
 Toluene	1	Nervous system, kidney, or liver problems	Discharge from petroleum factories	1
 Total Coliforms	5.0 percent ⁸	Coliforms are bacteria that indicate that other, potentially harmful bacteria may be present. See fecal coliforms and <i>E. coli</i>	Naturally present in the environment	zero
 Total Trihalomethanes (TTHMs)	0.080	Liver, kidney, or central nervous system problems; increased risk of cancer	Byproduct of drinking water disinfection	n/a⁹
 Toxaphene	0.003	Kidney, liver, or thyroid problems; increased risk of cancer	Runoff/leaching from insecticide used on cotton and cattle	zero
 2,4,5-TP (Silvex)	0.05	Liver problems	Residue of banned herbicide	0.05
 1,2,4- Trichlorobenzene	0.07	Changes in adrenal glands	Discharge from textile finishing factories	0.07

LEGEND



DISINFECTANT















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RADIONUCLIDES

ENCL (7)

Contaminant	MCL or TT ¹ (mg/L) ²	Potential health effects from long-term ³ exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L) ²
 1,1,1-Trichloroethane	0.2	Liver, nervous system, or circulatory problems	Discharge from metal degreasing sites and other factories	0.2
 1,1,2-Trichloroethane	0.005	Liver, kidney, or immune system problems	Discharge from industrial chemical factories	0.003
 Trichloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from metal degreasing sites and other factories	zero
 Turbidity	TT ⁷	Turbidity is a measure of the cloudiness of water. It is used to indicate water quality and filtration effectiveness (e.g., whether disease-causing organisms are present). Higher turbidity levels are often associated with higher levels of disease-causing microorganisms such as viruses, parasites, and some bacteria. These organisms can cause short term symptoms such as nausea, cramps, diarrhea, and associated headaches.	Soil runoff	n/a
 Uranium	30µg/L	Increased risk of cancer, kidney toxicity	Erosion of natural deposits	zero
 Vinyl chloride	0.002	Increased risk of cancer	Leaching from PVC pipes; discharge from plastic factories	zero
 Viruses (enteric)	TT ⁷	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	zero
 Xylenes (total)	10	Nervous system damage	Discharge from petroleum factories; discharge from chemical factories	10
LEGEND  DISINFECTANT  DISINFECTION BYPRODUCT  INORGANIC CHEMICAL  MICROORGANISM  ORGANIC CHEMICAL  RADIONUCLIDES				

NOTES

1 Definitions

- Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
- Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
- Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

2 Units are in milligrams per liter (mg/L) unless otherwise noted. Milligrams per liter are equivalent to parts per million (ppm).

3 Health effects are from long-term exposure unless specified as short-term exposure.

4 Each water system must certify annually, in writing, to the state (using third-party or manufacturers certification) that when it uses acrylamide and/or epichlorohydrin to treat water, the combination (or product) of dose and monomer level does not exceed the levels specified, as follows: Acrylamide = 0.05 percent dosed at 1 mg/L (or equivalent); Epichlorohydrin = 0.01 percent dosed at 20 mg/L (or equivalent).

5 Lead and copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of their water. If more than 10 percent of tap water samples exceed the action level, water systems must take additional steps. For copper, the action level is 1.3 mg/L, and for lead is 0.015 mg/L.

6 A routine sample that is fecal coliform-positive or E. coli-positive triggers repeat samples—if any repeat sample is total coliform-positive, the system has an acute MCL violation. A routine sample that is total coliform-positive and fecal coliform-negative or E. coli-negative triggers repeat samples—if any repeat sample is fecal coliform-positive or E. coli-positive, the system has an acute MCL violation. See also Total Coliforms.

7 EPA's surface water treatment rules require systems using surface water or ground water under the direct influence of surface water to (1) disinfect their water, and (2) filter their water or meet criteria for avoiding filtration so that the following contaminants are controlled at the following levels:

- Cryptosporidium:** 99 percent removal for systems that filter. Unfiltered systems are required to include Cryptosporidium in their existing watershed control provisions.

- Giardia lamblia:** 99.9 percent removal/inactivation
- Viruses:** 99.9 percent removal/inactivation
- Legionella:** No limit, but EPA believes that if *Giardia* and viruses are removed/inactivated, according to the treatment techniques in the surface water treatment rule, *Legionella* will also be controlled.
- Turbidity:** For systems that use conventional or direct filtration, at no time can turbidity (cloudiness of water) go higher than 1 nephelometric turbidity unit (NTU), and samples for turbidity must be less than or equal to 0.3 NTU in at least 95 percent of the samples in any month. Systems that use filtration other than the conventional or direct filtration must follow state limits, which must include turbidity at no time exceeding 5 NTU.
- HPC:** No more than 500 bacterial colonies per milliliter
- Long Term 1 Enhanced Surface Water Treatment:** Surface water systems or ground water systems under the direct influence of surface water serving fewer than 10,000 people must comply with the applicable Long Term 1 Enhanced Surface Water Treatment Rule provisions (e.g. turbidity standards, individual filter monitoring, *Cryptosporidium* removal requirements, updated watershed control requirements for unfiltered systems).
- Long Term 2 Enhanced Surface Water Treatment:** This rule applies to all surface water systems or ground water systems under the direct influence of surface water. The rule targets additional *Cryptosporidium* treatment requirements for higher risk systems and includes provisions to reduce risks from uncovered finished water storages facilities and to ensure that the systems maintain microbial protection as they take steps to reduce the formation of disinfection byproducts. (Monitoring start dates are staggered by system size. The largest systems (serving at least 100,000 people) will begin monitoring in October 2006 and the smallest systems (serving fewer than 10,000 people) will not begin monitoring until October 2008. After completing monitoring and determining their treatment bin, systems generally have three years to comply with any additional treatment requirements.)
- Filter Backwash Recycling:** The Filter Backwash Recycling Rule requires systems that recycle to return specific recycle flows through all processes of the system's existing conventional or direct filtration system or at an alternate location approved by the state.
- 8** No more than 5.0 percent samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli. If two consecutive TC-positive samples, and one is also positive for E. coli or fecal coliforms, system has an acute MCL violation.

9 Although there is no collective MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants:

- Haloacetic acids:** dichloroacetic acid (zero); trichloroacetic acid (0.3 mg/L)
- Trihalomethanes:** bromodichloromethane (zero); bromoform (zero); dibromochloromethane (0.06 mg/L)

NATIONAL SECONDARY DRINKING WATER REGULATION

National Secondary Drinking Water Regulations are non-enforceable guidelines regarding contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to water systems but does not require systems to comply. However, some states may choose to adopt them as enforceable standards.

Contaminant	Secondary Maximum Contaminant Level
Aluminum	0.05 to 0.2 mg/L
Chloride	250 mg/L
Color	15 (color units)
Copper	1.0 mg/L
Corrosivity	Noncorrosive
Fluoride	2.0 mg/L
Foaming Agents	0.5 mg/L
Iron	0.3 mg/L
Manganese	0.05 mg/L
Odor	3 threshold odor number
pH	6.5-8.5
Silver	0.10 mg/L
Sulfate	250 mg/L
Total Dissolved Solids	500 mg/L
Zinc	5 mg/L

FOR MORE INFORMATION ON EPA'S
SAFE DRINKING WATER:



visit: epa.gov/safewater



call: (800) 426-4791

ADDITIONAL INFORMATION:

To order additional posters or other ground water and drinking water publications, please contact the National Service Center for Environmental Publications at: **(800) 490-9198**, or email: nscep@bps-lmit.com.



OFFICE OF GROUND WATER
AND DRINKING WATER

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiauts	Unit (ug/L =	Results Category	Zone	Feature Type
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Alachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Diazinon (Quailtative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Diethylphthalate	ND	U(BM)	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator	Qualifcits	Unit (ug/L =	Results Category	Zone	Feature Type
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Hexachlorobenzene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Hexachlorocyclopentadiene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Isophorone	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Lindane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Malathion	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Methoxychlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Metolachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Metribuzin	ND	U(LE)	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Molinate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Naphthalene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Parathion	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Permethrin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Permethrin (mixed isomers)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Phenanthrene	ND	U(BM)	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Propachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Simazine	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Terbacil	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Terbutylazine	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Thiobencarb (ELAP)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	trans-Nonachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	Zone D-2 Distribution	18th St	Fox Blvd	Trifluralin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	2,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	2,4-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	2,5-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	4,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Anthrane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Atrazine	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Benz(a)Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Benzo(a)pyrene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Benzo(b)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Benzof(g,h,i)Perylene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Benzof(k)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Beta-BHC	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Bromacil	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Butachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Butylbenzylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Caffeine by method 525mod	ND	U(R7)	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Chlorobenzilate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Chloroneb	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/4/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Diethylphthalate	0.24	BM,J	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Dimethoate	ND	R7	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Di-n-Butylphthalate	4	U	U	ug/L	Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Endosulfan II (Beta)	ND	LE	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Parathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-01	Hangar Avenue	O'Malley Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Heptachlor Epoxide (Isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-01	Manzelman Cir	Porter Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Alachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Benzol(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Benzol(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Caffeine by method 525mod	ND	R7	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Chlorothalonil(Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Diethylphthalate	0.12	BMJ	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Di-n-Butylphthalate	1.5	U(M1)	U	ug/L	Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Endosulfan II (Beta)	ND	LE	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Methoxychlor	ND	U(M1)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Parathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-02	Mamiya Ave	O'Malley Blvd	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Alachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Chlorothalonil(Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Diethylphthalate	0.091	BM,J	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Dimethoate	U(R7)	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Di-n-Butylphthalate	4.7	U	U	ug/L	Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Endosulfan II (Beta)	ND	LE	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Parathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-03	Freedom Ave	O'Malley Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Alachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Chlorothalonil(Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Diethylphthalate	0.072	J		ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator	Qualifiauts	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Dimethoate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Dimethylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Di-n-Butyphthalate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Di-N-octylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Endosulfan I (Alpha)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Endosulfan II (Beta)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Endosulfan Sulfate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Endrin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Endrin Aldehyde	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	EPTC	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Fluorene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	gamma-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Heptachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Heptachlor Epoxide (isomer B)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Hexachlorobenzene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Hexachlorocyclopentadiene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Indeno[1,2,3-c,d]Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Isophorone	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Lindane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Malathion	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Methoxychlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Metolachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Metribuzin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Molinate	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Naphthalene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Parathion	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Pendimethalin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Permethrin (mixed isomers)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Phenanthrene	0.007	J	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Propachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Simazine	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Terbacil	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Terbutylazine	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Thiobencarb (ELAP)	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	trans-Nonachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	Trifluralin	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-02	3455 Malala Bay Dr.	Seaman	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,4-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	2,6-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	4,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Diethylphthalate	0.067	BM,J	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Di-n-Butylphthalate	1.1			ug/L	Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Endosulfan II (Beta)	ND	LE	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Fluorene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Isophorone	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Lindane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Malathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Molinate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Parathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Propachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Simazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Terbacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-04	Apollo Ave	Lewahana Loop	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Chlorothalonil(Draconil,Bravol)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Di-n-Bucylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Indeno(1,2,3-cd)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-02	Manzelman Cir	Porter Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Anthrane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Chlorbenzilate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Diethylphthalate	0.085	BM,J	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Di-n-Butylphthalate	11	U	U	ug/L	Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Endosulfan II (Beta)	ND	LE	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Heptachlor Epoxide (Isomer B)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Distribution

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-18-05	Kawehiwehi St	Apollo Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Distribution
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Anthrane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Benzof(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Benzof(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Butylbenzylphthalate	0.068	J	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Chlorothalonil(Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Non-Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-03	Manzelman Cir	Porter Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Anthrane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiauts	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Chlorothalonil (Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Phenanthrene	0.0060	J	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-43-03	Manzelman Cir	Porter Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Non-Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Anthrane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Benzol(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Chlorothalonil (Draconiil Bravo)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Di-n-Butylphthalate	0.1	J	J	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Non-Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Parathion	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Phenanthrene	0.009	J	J	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/14/2022	011422-24-04 (Hickam Elementary)	Manzelman Cir	Porter Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Non-Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Benzol(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Benzol(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Butylbenzophthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Caffeine by method 525mod	ND	U(R7)	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/15/2022	011522-16-03	4th St	Signer Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Diethylphthalate	ND	BM	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Endosulfan II (Beta)	ND	U(LE)	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Indeno(1,2,3-cd)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Parathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-03	4th St	Signer Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator	Qualifcits	Unit (ug/L =	Results Category	Zone	Feature Type
1/15/2022	011522-16-04	3rd St	Worthington Ave	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Atrazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Benz(a)Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Benzo(a)pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Benzo(b)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Benzo(g,h,i)Perylene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Benzo(k)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Beta-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Bromacil	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Butachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Butylbenzylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Caffeine by method 525mod	ND	U(R7)	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Chlorobenzilate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Chloroneb	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Chlorothalonil(Draconil, Bravo)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Chlorpyrifos (Dursban)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Chrysene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Delta-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Diazinon (Qualitative)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Dibenz(a,h)Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Dichlorvos (DDVP)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Dieldrin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Diethylphthalate	0.051	BMJ	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Dimethoate	ND	U(R7)	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Dimethylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Di-n-Burylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Di-N-octylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Endosulfan I (Alpha)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Endosulfan II (Beta)	ND	U(LE)	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Endosulfan Sulfate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Endrin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Endrin Aldehyde	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	EPTC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Fluorene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	gamma-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Heptachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Heptachlor Epoxide (isomer B)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Hexachlorobenzene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Hexachlorocyclopentadiene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Isophorone	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-16-04	3rd St	Worthington Ave	Lindane	ND	U	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator	Qualifcits	Unit (ug/L =	Results	Category	Zone	Feature Type
1/15/2022	011522-16-04	3rd St	Worthington Ave	Malathion	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Methoxychlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Metolachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Metribuzin	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Molinate	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Naphthalene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Parathion	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Pendimethalin	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Permethrin (mixed isomers)	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Phenanthrene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Propachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Simazine	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Terbacil	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Terbutylazine	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Thiobencarb (ELAP)	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	trans-Nonachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/15/2022	011522-16-04	3rd St	Worthington Ave	Trifluralin	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	2,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	2,4-Dinitrotoluene	ND	(LE)	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	2,6-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	4,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Anthrane	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Atrazine	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Benz(a)Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Benz(a)pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Benz(b)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Benz(g,h,i)Perylene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Benz(k)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Beta-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Bromacil	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Butachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Butylbenzylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Caffeine by method 525mod	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Chlorobenzilate	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Chloroneb	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Chlorothalonil(Draconil Bravo)	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Chlorpyrifos (Dursban)	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Chrysene	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Delta-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential	
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Diazinon (Qualitative)	ND	U	U	U	ug/L	Not Detected	D2	Residential	

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Diethylphthalate	0.054	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Parathion	ND	(LE)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Phenanthrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-02	Julian Wy	Julian Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	2,6-Dinitrotoluene	ND	U(LE)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Benzol(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Benzol(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Caffeine by method 52.5mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Chlorothalonil(Draconil Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Diethylphthalate	0.042	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Dimethoate	ND	U(87)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Di-n-Butylphthalate	0.094	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Parathion	ND	U(LE)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Phenanthrene	0.0060	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Sinazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-03	Julian Wy	Julian Ave	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	2,6-Dinitrotoluene	ND	U(LE)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Diethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Dimethoate	ND	(R7)	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator	Qualifiauts	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Dimethylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Di-n-Butylphthalate	0.11	J	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Di-N-octylphthalate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Endosulfan I (Alpha)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Endosulfan II (Beta)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Endosulfan Sulfate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Endrin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Endrin Aldehyde	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	EPTC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Fluorene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	gamma-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Heptachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Heptachlor Epoxide (isomer B)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Hexachlorobenzene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Hexachlorocyclopentadiene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Indeno(1,2,3-cd)Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Isophorone	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Lindane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Malathion	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Methoxychlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Metribuzin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Molinate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Naphthalene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Parathion	ND	(LE)	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Pendimethalin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Permethrin (mixed isomers)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Phenanthrene	0.0060	J	J	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Propachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Simazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Terbacil	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Terbutylazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Thiobencarb (ELAP)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	trans-Nonachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-04	Hoano Alley	Apollo Ave	Trifluralin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	2,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	2,4-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	2,6-Dinitrotoluene	ND	U(LE)	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	4,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Atrazine	ND	U	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-01	13th St	Fox Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Benz(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Benz(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Benz(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Diethylphthalate	0.045	J		ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Dimethoate	ND	U(R7)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Parathion	ND	U(LE)	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Phenanthrene	0.0060	J		ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiaits	Unit (ug/L =	Results Category	Zone	Feature Type
1/12/2022	011222-50-01	13th St	Fox Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/12/2022	011222-50-01	13th St	Fox Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	2,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	2,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	2,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	4,4-DDD	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	4,4-DDE	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	4,4-DDT	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Acenaphthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Acenaphthylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Acetochlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Alachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Alpha-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Atrazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Benz(a)pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Benzol(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Benzol(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Benzol(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Butylbenzophthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Diethylphthalate	0.079	J	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Di-n-Butylphthalate	0.11	J	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator	Qualifier	Unit (ug/L)	Results Category	Zone	Feature Type
1/13/2022	011322-43-03	4th St	Signer Blvd	Endosulfan Sulfate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Endrin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Endrin Aldehyde	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	EPTC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Fluorene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	gamma-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Heptachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Hexachlorobenzene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Hexachlorocyclopentadiene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Isophorone	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Lindane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Malathion	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Methoxychlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Metolachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Metribuzin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Molinate	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Naphthalene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Parathion	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Pendimethalin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Permethrin (mixed isomers)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Phenanthrene	0.006	J	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Propachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Simazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Terbacil	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Terbutylazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Thiocarb (ELAP)	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	trans-Nonachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-03	4th St	Signer Blvd	Trifluralin	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	2,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	2,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	2,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	2,4-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	2,6-Dinitrotoluene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	4,4-DDD	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	4,4-DDE	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	4,4-DDT	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Acenaphthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Acenaphthylene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Acetochlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Alachlor	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Alpha-BHC	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	alpha-Chlordane	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Atrazine	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Benz(a)Anthracene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Benzo(a)pyrene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Benzo(b)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Benzo(g,h,i)Perylene	ND	U	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Benzo(k)Fluoranthene	ND	U	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifiauts	Unit (ug/L =	Results Category	Zone	Feature Type
1/13/2022	011322-43-04	3rd	Signer Blvd	Beta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Bromacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Butachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Chloroneb	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Chrysene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Delta-BHC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Dieldrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Diethylphthalate	0.072	J	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Dimethoate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Endrin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	EPTC	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Fluoranthene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Fluorene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Heptachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Indeno(1,2,3-c,d)Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Isophorone	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Lindane	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Malathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Methoxychlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Metolachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Metribuzin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Molinate	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Naphthalene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Parathion	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Pendimethalin	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Phenanthrene	0.008	J	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Propachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Pyrene	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Simazine	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Terbacil	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Terbutylazine	ND	U	U	ug/L	Not Detected	D2	Residential

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	alidator Qualifia	Unit (ug/L =	Results Category	Zone	Feature Type
1/13/2022	011322-43-04	3rd	Signer Blvd	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D2	Residential
1/13/2022	011322-43-04	3rd	Signer Blvd	Trifluralin	ND	U	U	ug/L	Not Detected	D2	Residential
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	2,4-DDD	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	2,4-DDE	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	2,4-DDT	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	2,4-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	2,6-Dinitrotoluene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	4,4-DDD	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	4,4-DDE	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	4,4-DDT	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Acenaphthene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Acenaphthylene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Acetochlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Alachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Alpha-BHC	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	alpha-Chlordane	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Anthracene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Atrazine	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Benz(a)Anthracene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Benzo(a)pyrene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Benzo(b)Fluoranthene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Benzo(g,h,i)Perylene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Benzo(k)Fluoranthene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Beta-BHC	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Bromacil	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Butachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Butylbenzylphthalate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Caffeine by method 525mod	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Chlorobenzilate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Chloroneb	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Chlorothalonil(Draconil, Bravo)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Chlorpyrifos (Dursban)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Chrysene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Delta-BHC	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Di-(2-Ethylhexyl)adipate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Di(2-Ethylhexyl)phthalate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Diazinon (Qualitative)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Dibenz(a,h)Anthracene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Dichlorvos (DDVP)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Dieldrin	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Diethylphthalate	0.095	J	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Dimethoate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Dimethylphthalate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Di-n-Butylphthalate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Di-N-octylphthalate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Endosulfan I (Alpha)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Endosulfan II (Beta)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Endosulfan Sulfate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Endrin	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Endrin Aldehyde	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	EPTC	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Fluoranthene	ND	U	U	ug/L	Not Detected	D3	Distribution

DOH SVOC-Results
Navy Water System Incident
Red Hill, Post-Flushing, Flushing Area D2

Date Collected	Location Name	Street Name	Closest Cross Street	Analyte	Results	Lab Qualifier	Validator Qualifier	Unit (ug/L =	Results Category	Zone	Feature Type
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Fluorene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	gamma-Chlordane	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Heptachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Heptachlor Epoxide (isomer B)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Hexachlorobenzene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Hexachlorocyclopentadiene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Indeno(1,2,3-cd)Pyrene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Isophorone	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Lindane	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Malathion	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Methoxychlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Metolachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Metribuzin	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Molinate	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Naphthalene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Parathion	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Pendimethalin	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Permethrin (mixed isomers)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Phenanthrene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Propachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Pyrene	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Simazine	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Terbacil	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Terbutylazine	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Thiobencarb (ELAP)	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	trans-Nonachlor	ND	U	U	ug/L	Not Detected	D3	Distribution
1/15/2022	011522-48-02	Nanu St	Ohana Nui Cir	Trifluralin	ND	U	U	ug/L	Not Detected	D3	Distribution

Bold= Detected

Exceeds the ISP



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND, HAWAII
400 MARSHALL ROAD
JBPHH, HAWAII 96860-3139

11000
Ser PWO/0093
February 18, 2022

Interagency Drinking Water System Team

**SUBJECT: CERTIFICATION OF IRRIGATION LINE FLUSHING – JOINT BASE
PEARL HARBOR-HICKAM - ZONE D2**

On behalf of the United States Department of the Navy, operator of the Joint Base Pearl Harbor-Hickam Public Water System (PWS ID No. 360 Water System), and in connection with and pursuant to the removal action required by the DOH Hazard Evaluation and Emergency Response Office Incident Case No. 20211128-1848, the undersigned certifies that the Navy has made all necessary inquiry into their Water System and represents and warrants as set forth below.

Landscape irrigation systems in Zone D2, the western part of Hickam Airfield, have been operated and flushed following Dept. of Health guidance, and subsequent to the approved distribution line flushing conducted in December, 2021.

The undersigned has due authority to deliver this Certification on behalf of the Navy.

Sincerely,

HARMEYER.RANDALL
.ERNEST.1186692663

Digitally signed by
HARMEYER.RANDALL.ERNEST.11
86692663
Date: 2022.02.18 15:57:38 -10'00'

R. E. HARMEYER
Captain, CEC, U.S. Navy
Public Works Officer
By Direction
of the Commanding Officer

DOH Guidance for Active Irrigation Line Purging and Flushing

Given the minimal quantities and concentration of fuel contamination in the irrigation lines, along with the expected degradation due to time, the following guidance lines are being provided:

System operator responsibility:

- Determine what the irrigation system pipe size is (for volume calculations).
- Calculate the approximate amount of time needed to complete 3 volumetric turnovers of the subject line (est. duration per foot).
- Assess how long each line will need to be purged/flushed based on the above estimates.
- Notify community.
- Cover or otherwise minimize any spray from the system (traffic cone) in order to prevent contact.
- Purge irrigation system under supervision for the estimated duration.
- Allow ground to absorb and dry.
- Notify residents to avoid area for the next 24 hours.
- Prevent/minimize any runoff.
- Prevent contact with the irrigation water.

Navy/Army must develop a standard operating procedure incorporating the above guidance and provide training to personnel responsible for execution of the irrigation line purging/flushing.