MAR 14 2019

DEPARTMENT OF THE NAVY
COMMANDER
NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH, HAWAII 96860-5101

5750
Ser N4/0459
March 13, 2019

CERTIFIED NO: 7016 0910 0001 0891 6645

Ms. Roxanne Kwan
State of Hawaii Department of Health
Environmental Management Division
Solid and Hazardous Waste Branch
Underground Storage Tank Section
2827 Waimano Home Road, #100
Pearl City, HI 96782

Dear Ms. Kwan:

SUBJECT: UST PERMIT APPLICATION FOR RED HILL BULK FUEL STORAGE FACILITY, JBPHH, OAHU, DOH FACILITY ID NO. 9-102271

As required by Hawaii Administrative Rules 11-280.1-323, Navy Region Hawaii is hereby submitting the attached application for an underground storage tank (UST) permit for the subject facility. Included with the permit application are facility drawings and a vicinity map.

We consider the Red Hill Bulk Fuel Storage Facility (RHBFSF) to be uniquely designed. This letter provides additional information which does not fit into the application form and is incorporated into the permit application so Hawaii Department of Health (DOH) staff have a complete understanding of the unique features of the RHBFSF.

RHBFSF Tank Number F-1 – F-20:

1. Item 6.C.iii. - Primary Containment Material or Single-Walled Tank – Other, please specify: Tank liners are constructed from 0.25" nominally thick welded steel with 2.5 to 4 feet of reinforced concrete surrounding the steel plating. Three hundred pounds per square inch (psi) pressure grout was injected between the 6-inch gunite layer and the reinforced concrete. The gunite serves as the final layer of the Tank structure within the mined cavity and is in contact with the native material itself.
2. Item 6.E.v. - Corrosion Protection (except Fiberglass reinforced plastic tanks)- Corrosion expert determination: Tanks are inspected and certified in accordance with the regulator approved Administrative Order on Consent (AOC) produced Tank Inspection, Repair, and Maintenance (TIRM) report as capable of safely storing petroleum products.
3. Item 7.C.iv. - Primary Containment Material or Single-Walled Piping- Other, please specify: The three pipelines consist of single-walled above ground steel piping located within a hardened concrete underground access tunnel providing for daily visual observations by roving patrols to confirm pipeline integrity in addition to regularly scheduled pipeline inspection in accordance with the Pipeline Integrity Management Plan

and certified by a registered professional engineer who is an American Petroleum Institute (API) 570 standard inspector. The API 570 inspections validate that the pipeline is suitable for service and capable of safely conveying petroleum products from the tanks to the point of distribution.

4. Item 7.D.iv. - Secondary Containment Material – Other, please specify: The three pipelines are aboveground pipeline within a hardened concrete underground access tunnel inspected and certified in accordance with the established Pipeline Integrity Management Plan by an American Petroleum Institute 570 standard inspector to validate that the pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
5. Item 7.E.iv. - Corrosion Protection (except Fiberglass reinforced plastic piping) – Corrosion expert determination: The three pipelines are aboveground pipeline within a hardened concrete underground access tunnel inspected and certified in accordance with the established Pipeline Integrity Management Plan by an American Petroleum Institute 570 standard inspector. Because they are not in contact with soil or other anolitic material this inspection to validates that the pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
6. Item 8.C. - Method of Product Dispensing: RHBFSF is filled using pumps located in the underground pumphouse. Tanks are then drained via gravity to the point of distribution at Pearl Harbor or Hickam Airfield.
7. Item 10. - Overflow prevention equipment: All tanks are equipped with an Automated Fuel Handling Equipment (AFHE) Industrial Control System (ICS) inventory monitoring based on Automatic Tank Gauging (ATG) equipment overflow protection sensors and equipment that de-energizes the pump and shuts an isolation valve to prevent overfilling each UST once the fuel level in the tank reaches 212-223 feet, tank dependent, (approximately 95% full).
8. Item 10.B. - Overflow prevention equipment – Overfill alarm: The AFHE system operates 24 hours a day, 365 days a year, and is a continuously manned and monitored system, equipped with both a high and high-high level alarm, with high alarm set at a level of 210-220 feet, tank dependent, (approximately 90% full).
9. Item 11.A. - Release Detection – Manual tank gauging: Manual tank gauging is conducted monthly as well as before and after every fuel movement. Manual gauge is accurate to within 1/16 inch and certified as per National Institute of Standards and Technology Gauge/Tape specifications.
10. Item 11.B. - Release Detection – Tank Tightness Testing: National Working Group on Leak Detection Evaluation certified (EPA approved) Tank Tightness testing is conducted semi-annually, twice the periodicity of the regulatory requirement in excess of §11-280.1-43(10)(A).

11. Item 11.C. - Release Detection – Inventory control: Product inventory control processes and procedures are conducted before and after all fuel movements and monitored by the AFHE system. It is calculated within both daily as well as monthly tolerances.
12. Item 11.D. - Release Detection - Automatic tank gauging: Automatic tank gauging is conducted continuously using the AFHE system and is accurate to within 1/16".
13. Item 11.E. - Release Detection – Vapor monitoring: Vapor monitoring occurs on a monthly basis from 2 to 3 ports below each tank.
14. Item 11.F. - Release Detection – Groundwater monitoring: Oil water interface testing is conducted monthly at monitoring wells. Additionally, analytical sampling is conducted quarterly at monitoring locations.
15. Item 11.H. - Release Detection – Statistical inventory reconciliation: Product inventory control processes and procedures are conducted before and after all fuel movements allowing for statistical inventory reconciliation and is monitored by the AFHE system with alarms resulting from an out of tolerance transaction.
16. Item 11.I. - Release Detection – Automatic line leak detectors: As stated previously, the aboveground pipeline is located within a hardened concrete underground access tunnel providing for daily inspection by roving patrols to confirm pipeline integrity.
17. Item 11.J. - Release Detection – Line tightness testing: The pipeline is tested by a registered professional engineer who is an American Petroleum Institute 570 certified inspector to confirm pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
18. Item 11.K. - Release Detection – Other method approved by the Department. Please specify: Tanks are inspected and certified in accordance with the regulator approved Administrative Order on Consent (AOC) produced Tank Inspection, Repair, and Maintenance (TIRM) report as capable of safely storing petroleum products. The pipeline is tested by a registered professional engineer who is an American Petroleum Institute 570 certified inspector to confirm pipeline is suitable for service and capable of safely conveying petroleum.

RHBFSF Tank Number F-ST1-ST4:

19. Item 6.C.iii. - Primary Containment Material or Single-Walled Tank – Other, please specify: Tank liners are constructed from 0.25" nominally thick welded steel with reinforced concrete surrounding the steel plating. Three hundred pounds per square inch (psi) pressure grout was injected between the 6 inch gunite layer and the reinforced concrete. The gunite serves as the final layer of the Tank structure within the mined cavity and is in contact with the native material itself.
20. Item 6.E.v. - Corrosion Protection (except Fiberglass reinforced plastic tanks)- Corrosion expert determination: Tanks are inspected and certified in accordance with the regulator approved Administrative Order on Consent (AOC) produced Tank Inspection, Repair, and Maintenance (TIRM) report as capable of safely storing petroleum products.
21. Item 7.C.iv. - Primary Containment Material or Single-Walled Piping- Other, please specify: Pipeline consists of single-walled above ground steel piping located within a

hardened concrete underground access tunnel providing for daily inspection by roving patrols to confirm pipeline integrity in addition to regularly scheduled pipeline inspection in accordance with a Pipeline Integrity Management Plan and certified by a registered professional engineer who is an American Petroleum Institute 570 standard inspector validating that the pipeline is suitable for service and capable of safely conveying petroleum products from the tanks to the point of distribution.

22. Item 7.D.iv. - Secondary Containment Material – Other, please specify: Pipeline is aboveground pipeline within a hardened concrete underground access tunnel inspected and certified in accordance with the established Pipeline Integrity Management Plan by an American Petroleum Institute 570 standard inspector to validate that the pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
23. Item 7.E.iv. - Corrosion Protection (except Fiberglass reinforced plastic piping) – Corrosion expert determination: Pipeline is aboveground pipeline within a hardened concrete underground access tunnel inspected and certified in accordance with the established Pipeline Integrity Management Plan by an American Petroleum Institute 570 standard inspector to validate that the pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
24. Item 8.D. - Method of Product Dispensing: F-ST1-F-ST4 are not storage nor dispensing tanks, instead they serve as surge tanks to allow for the buffering of product pressure throughout the system during product movement. They have no ability to dispense fuel.
25. Item 10. - Overflow prevention equipment: All tanks are currently equipped with an Automated Fuel Handling Equipment (AFHE) Industrial Control System (ICS) inventory monitoring based on Automatic Tank Gauging (ATG) equipment overflow protection sensors and equipment that de-energizes the pump and shuts an isolation valve to prevent overfilling each UST once the fuel level in the tank reaches 16 feet, 8 inches, 7/16-8/16, tank dependent, (approximately 95% full).
26. Item 10.B. - Overflow prevention equipment – Overfill alarm: The AFHE system, operates 24 hours a day, 365 days a year, and is a continuously manned and monitored system, equipped with both a high and high-high level alarm, with high alarm set at a level of at a level of 14 feet 6 inches 9/16-10/16, tank dependent, (approximately 90% full).
27. Item 11.A. - Release Detection – Manual tank gauging: Manual tank gauging is conducted monthly as well as before and after every fuel movement. Gauge is accurate to within 1/16 inch and certified as per National Institute of Standards and Technology Gauge/Tape specifications.
28. Item 11.B. - Release Detection – Tank Tightness Testing: Tank Tightness testing is conducted semi-annually, twice the periodicity of the regulatory requirement in excess of §11-280.1-43(10)(A).
29. Item 11.C. - Release Detection – Inventory control: Product inventory control processes and procedures are conducted before and after all fuel movements and monitored by the AFHE system. It is calculated within both daily as well as monthly tolerances.

30. Item 11.D. - Release Detection - Automatic tank gauging: Automatic tank gauging is conducted continuously using the AFHE system and is accurate to within 1/16".
31. Item 11.H. - Release Detection – Statistical inventory reconciliation: Product inventory control processes and procedures are conducted before and after all fuel movements allowing for statistical inventory reconciliation and is monitored by the AFHE system with alarms resulting from an out of tolerance transaction.
32. Item 11.I. - Release Detection – Automatic line leak detectors: The aboveground pipeline is located within a hardened concrete underground access tunnel providing for daily inspection by roving patrols to confirm pipeline integrity.
33. Item 11.J. - Release Detection – Line tightness testing: The pipeline is tested by a registered professional engineer who is an American Petroleum Institute 570 certified inspector to confirm pipeline is suitable for service and capable of safely conveying petroleum products from RHBFSF to the point of distribution.
34. Item 11.K. - Release Detection – Other method approved by the Department. Please specify: As stated previously, Tanks are inspected and certified in accordance with the regulator approved Administrative Order on Consent (AOC) produced Tank Inspection, Repair, and Maintenance (TIRM) report as capable of safely storing petroleum products. The pipeline is tested by a registered professional engineer who is an American Petroleum Institute 570 certified inspector to confirm pipeline is suitable for service and capable of safely conveying petroleum.

    RHBFSF Pipeline not aligned against F-1 – F-4 and F-ST1-F-ST4
35. Item 11.H. - Release Detection – Statistical inventory reconciliation: Product inventory control processes and procedures are conducted before and after all fuel movements allowing for statistical inventory reconciliation and is monitored by the AFHE system with alarms resulting from an out of tolerance transaction.
36. Item 11.I. - Release Detection – Automatic line leak detectors: All pipeline is monitored via the AFHE system utilizing Pressure Transducing Indicators (PTIs) installed on the pipeline.
37. Item 11.J. - Release Detection – Line tightness testing: Pipeline throughout the facility is tested, at a minimum annually, in accordance with 33 and 40 CFR and as a best management practices for non-CFR regulated pipeline.
38. Item 11.K. - Release Detection – Other method approved by the Department. Please specify: As stated previously, the pipeline is tested by a registered professional engineer who is an American Petroleum Institute 570 certified inspector to confirm pipeline is suitable for service and capable of safely conveying petroleum.

The application fee in the amount of $300.00 will be forthcoming via electronic funds transfer (EFT).

5750
Ser N4/0459
March 13, 2019

If you have any questions regarding this matter or need any additional information, please contact Ms. Raelynn Kishaba by phone at (808) 471-1171, extension 233 or by email at raelynn.kishaba@navy.mil.

Sincerely,

M. R. DELAO
Captain, CEC, U.S. Navy
Regional Engineer
By direction of the
Commander

Enclosure:
DOH Form No. 2, Application for an Underground Storage Tank Permit for Red Hill Bulk Fuel Storage Facility, DOH Facility ID No. 9-102271

MAR 14 2019

SOLID AND HAZARDOUS WASTE BRANCH
Underground Storage Tank Program

2827 Waimano Home Road #100 • Pearl City, Hawaii 96782
Phone: 808 - 586- 4226 • Fax: 808-586-7509 • http://health.hawaii.gov/shwb/underground-storage-tanks/

CNRH LETTER 5750 SER N4/0459 OF MARCH 13, 2019 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS APPLICATION.

APPLICATION FOR AN UNDERGROUND STORAGE TANK PERMIT

Return completed form to:

Solid and Hazardous Waste Branch
Underground Storage Tank Program
2827 Waimano Home Road #100
Pearl City, Hawaii 96782

Facility ID Number: 9-102271

Type Of Notification:

- ☐ Installation and Operation ($300)
- ☑ Operation ($300)
- ☐ Modification - except for temporary & permanent closure ($200)

State Use Only

Date received: _____
Permit Number: _____
Permit Fee: _____
Date Paid: _____
Receipt Nunmber: _____
Comments: _____

I. LOCATION OF TANK(S)

Red Hill Bulk Fuel Storage Facility	John Floyd
Facility Name or Company Site identifiers	Location Contact Person

Red Hill	Aiea	Hawaii	96701	Oahu	99010006, 99010001, 11012003, 11012004
Location Address (P.O. Box not acceptable)	City	State	Zip Code	Island	Tax Map Key #

(808) 473-7801	(808) 473-7815
Location Phone # (w/ area code)	Location Fax # (w/ area code)

II. CONTACT PERSON IN CHARGE OF TANK(S)

LCDR Blake Whittle	Regional Fuels Officer
Name	Job / Position Title

1942 Gaffney Street, Suite 100	JBPHH	HI	96860
Mailing Address	City	State	Zip Code

(808) 473-7833	(808) 473-7815	blake.whittle1@navy.mil
Phone # (w/ area code)	Fax # (w/ area code)	E-mail Address

Facility ID No. 9-102271

III. OWNER OF TANK(S)

US Navy - COMNAVREG HI
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

850 Ticonderoga Street, Suite 110	JBPHH	HI	96860
Mailing Address	City	State	Zip Code

(808) 471-3926	(808) 473-5024	marc.delao@navy.mil
Phone # (w/ area code)	Fax # (w/ area code)	E-mail Address

IV. OPERATOR OF TANK(S) (if same as Section III, check here ☐)

Naval Supply Systems Command Fleet Logistics Center Pearl Harbor - LCDR Blake Whittle, Regional Fuels Officer
Operator Name (Corporation, Individual, Public Agency, or Other Entity)

1942 Gaffney Street, Suite 100	JBPHH	HI	96860
Mailing Address	City	State	Zip Code

(808) 473-7833	(808) 473-7815	blake.whittle1@navy.mil
Phone # (w/ area code)	Fax # (w/ area code)	E-mail Address

V. CONTRACTOR

N/A	N/A
Company Name	Contact Person Name

N/A	N/A	N/A	N/A
Mailing Address	City	State	Zip Code

N/A	N/A	N/A
Phone # (w/ area code)	Fax # (w/ area code)	E-mail Address

VI. TYPE OF OWNER

- ☑ Federal Government (Military)
- ☐ Federal Government (Non-Military)
- ☐ State Government
- ☐ Local Government
- ☐ Marketer
- ☐ Non-Marketer

VII. TYPE OF FACILITY (Select the appropriate facility description)

- ☐ Airline
- ☐ Auto Dealership
- ☐ Baseyard
- ☐ Car Rental
- ☐ Cleaner/Laundromat
- ☐ Communication Sites
- ☐ Contractor
- ☐ Farm
- ☐ Fire Station
- ☐ Gas Station
- ☐ Golf Course
- ☐ Hospital
- ☐ Petroleum Distributor
- ☐ Police Station
- ☐ Residential
- ☐ Resort/Hotel
- ☐ School
- ☑ Other (Explain) Fuel Storage and Airfield Hydrant System
- ☐ Service Centers/Auto Repair/Maintenance
- ☐ Trucking/Transporter
- ☐ Utilities
- ☐ Wastewater Treatment Plants
- ☐ Wholesaler/Retailer

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. F-1	Tank No. F-2	Tank No. F-3	Tank No. F-4	Tank No. F-5
1. Status of Tank (Mark only one)					
A. Currently in Use	☐	☑	☑	☑	☐
B. Temporarily Out of Use	☑	☐	☐	☐	☑
2. Date of Installation (month/year)	10/1942	09/1942	01/1943	11/1942	12/1942
3. Estimated Capacity (gallons)	12,000,000	12,000,000	12,000,000	12,000,000	12,700,000
A. Compartmentalized? Yes/No	No	No	No	No	No
Estimated compartment capacity (gallons)	N/A	N/A	N/A	N/A	N/A
B. Manifolded? Yes/No	No	No	No	No	No
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

Tank Number	Tank No. F-1	Tank No. F-2	Tank No. F-3	Tank No. F-4	Tank No. F-5
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A	N/A	N/A	N/A
H. Mixture of Substances (Please specify)	N/A	N/A	N/A	N/A	N/A
I. Other, please specify.	EMPTY	F-24	F-24	F-24	EMPTY
5. Substance Compatible with Tank and Piping? Yes/No	N/A	Yes	Yes	Yes	N/A
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A
C. Primary Containment Material or Single-Walled Tank	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	N/A	N/A	N/A	N/A	N/A
iv. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☐	☐	☐	☐	☐
iii. Impressed current system	☐	☐	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☑	☑	☑	☑	☑
vi. Other, please specify.	N/A	N/A	N/A	N/A	N/A
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A

Tank Number	Tank No. F-1	Tank No. F-2	Tank No. F-3	Tank No. F-4	Tank No. F-5
C. Primary Containment Material or Single-Walled Piping	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☑	☑	☑
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
D. Secondary Containment Material	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☐	☐	☐	☐	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
v. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except fiberglass reinforced plastic piping)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☐	☐	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☑	☑	☑	☑	☑
v. Other, please specify.	N/A	N/A	N/A	N/A	N/A
8. Method of Product Dispensing					
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☑	☑	☑	☑	☑
D. Not Applicable	☐	☐	☐	☐	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A	N/A	N/A	N/A
B. Capacity (gallons)	N/A	N/A	N/A	N/A	N/A
10. Overfill prevention equipment	☑	☑	☑	☑	☑
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. F-1		Tank No. F-2		Tank No. F-3		Tank No. F-4		Tank No. F-5	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☐	NA	☑	NA	☑	NA	☑	NA	☑	NA
B. Tank tightness testing	☐	NA	☑	NA	☑	NA	☑	NA	☑	NA
C. Inventory control	☐	NA	☑	NA	☑	NA	☑	NA	☑	NA
D. Automatic tank gauging	☐	NA	☑	NA	☑	NA	☑	NA	☑	NA
E. Vapor monitoring	☐	☐	☑	☐	☑	☐	☑	☐	☑	☐
F. Groundwater monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
G. Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☐	☑	☑	☑	☑	☑	☑	☑	☑	☑
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	No	NA	No	NA	No
If **YES**, specify type.	See cover letter		See cover letter		See cover letter		See cover letter		See cover letter	
J. Line tightness testing	NA	☐	NA	☐	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	N/A	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. F-6	Tank No. F-7	Tank No. F-8	Tank No. F-9	Tank No. F-10
1. Status of Tank (Mark only one)					
A. Currently in Use	☑	☑	☑	☑	☑
B. Temporarily Out of Use	☐	☐	☐	☐	☐
2. Date of Installation (month/year)	12/1942	05/1943	03/1943	02/1943	01/1943
3. Estimated Capacity (gallons)	12,700,000	12,700,000	12,700,000	12,700,000	12,700,000
A. Compartmentalized? Yes/No	No	No	No	No	No
Estimated compartment capacity (gallons)	N/A	N/A	N/A	N/A	N/A
B. Manifolded? Yes/No	No	No	No	No	No
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

N00689

Exhibit N-6A

NAVY0009556

Tank Number	Tank No. F-6	Tank No. F-7	Tank No. F-8	Tank No. F-9	Tank No. F-10
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A	N/A	N/A	N/A
H. Mixture of Substances (Please specify)	N/A	N/A	N/A	N/A	N/A
I. Other, please specify.	F-24	JP-5	JP-5	JP-5	JP-5
5. Substance Compatible with Tank and Piping? Yes/No	Yes	Yes	Yes	Yes	Yes
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A
C. Primary Containment Material or Single-Walled Tank	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	N/A	N/A	N/A	N/A	N/A
iv. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☐	☐	☐	☐	☐
iii. Impressed current system	☐	☐	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☑	☑	☑	☑	☑
vi. Other, please specify.	N/A	N/A	N/A	N/A	N/A
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A

Tank Number	Tank No. F-6	Tank No. F-7	Tank No. F-8	Tank No. F-9	Tank No. F-10
C. Primary Containment Material or Single-Walled Piping	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☑	☑	☑
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
D. Secondary Containment Material	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☐	☐	☐	☐	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
v. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except fiberglass reinforced plastic piping)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☐	☐	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☑	☑	☑	☑	☑
v. Other, please specify.	N/A	N/A	N/A	N/A	N/A
8. Method of Product Dispensing					
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☑	☑	☑	☑	☑
D. Not Applicable	☐	☐	☐	☐	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A	N/A	N/A	N/A
B. Capacity (gallons)	N/A	N/A	N/A	N/A	N/A
10. Overfill prevention equipment	☑	☑	☑	☑	☑
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. F-6		Tank No. F-7		Tank No. F-8		Tank No. F-9		Tank No. F-10	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☑	NA	☑	NA	☑	NA	☑	,NA	☑	NA
B. Tank tightness testing	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
C. Inventory control	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
D. Automatic tank gauging	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
E. Vapor monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
F. Groundwater monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
G. Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	No	NA	No	NA	No
If **YES**, specify type.	See cover letter		See cover letter		See cover letter		See cover letter		See cover letter	
J. Line tightness testing	NA	☐	NA	☐	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. F-11	Tank No. F-12	Tank No. F-13	Tank No. F-14	Tank No. F-15
1. Status of Tank (Mark only one)					
A. Currently in Use	☑	☑	☐	☐	☑
B. Temporarily Out of Use	☐	☐	☑	☑	☐
2. Date of Installation (month/year)	02/1943	03/1943	03/1943	03/1943	04/1943
3. Estimated Capacity (gallons)	12,700,000	12,700,000	12,700,000	12,700,000	12,700,000
A. Compartmentalized? Yes/No	No	No	No	No	No
Estimated compartment capacity (gallons)	N/A	N/A	N/A	N/A	N/A
B. Manifolded? Yes/No	No	No	No	No	No
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

Tank Number	Tank No. F-11	Tank No. F-12	Tank No. F-13	Tank No. F-14	Tank No. F-15
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A	N/A	N/A	N/A
H. Mixture of Substances (Please specify)	N/A	N/A	N/A	N/A	N/A
I. Other, please specify.	JP-5	JP-5	EMPTY	EMPTY	F-76
5. Substance Compatible with Tank and Piping? Yes/No	Yes	Yes	N/A	N/A	Yes
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A
C. Primary Containment Material or Single-Walled Tank	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	N/A	N/A	N/A	N/A	N/A
iv. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☐	☐	☐	☐	☐
iii. Impressed current system	☐	☐	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☑	☑	☑	☑	☑
vi. Other, please specify.	N/A	N/A	N/A	N/A	N/A
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A

Tank Number	Tank No. F-11	Tank No. F-12	Tank No. F-13	Tank No. F-14	Tank No. F-15
C. Primary Containment Material or Single-Walled Piping	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☑	☑	☑
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
D. Secondary Containment Material	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☐	☐	☐	☐	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
v. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except fiberglass reinforced plastic piping)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☐	☐	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☑	☑	☑	☑	☑
v. Other, please specify.	N/A	N/A	N/A	N/A	N/A
8. Method of Product Dispensing					
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☑	☑	☑	☑	☑
D. Not Applicable	☐	☐	☐	☐	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A	N/A	N/A	N/A
B. Capacity (gallons)	N/A	N/A	N/A	N/A	N/A
10. Overfill prevention equipment	☑	☑	☑	☑	☑
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. F-11		Tank No. F-12		Tank No. F-13		Tank No. F-14		Tank No. F-15	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
B. Tank tightness testing	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
C. Inventory control	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
D. Automatic tank gauging	☑	NA	☑	NA	☑	NA	☑	NA	☑	NA
E. Vapor monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
F. Groundwater monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
G. Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	No	NA	No	NA	No
If **YES**, specify type.	See cover letter		See cover letter		See cover letter		See cover letter		See cover letter	
J. Line tightness testing	NA	☐	NA	☐	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. F-16	Tank No. F-17	Tank No. F-18	Tank No. F-19	Tank No. F-20
1. Status of Tank (Mark only one)					
A. Currently in Use	☑	☐	☑	☐	☑
B. Temporarily Out of Use	☐	☑	☐	☑	☐
2. Date of Installation (month/year)	05/1943	05/1943	05/1943	06/1943	07/1943
3. Estimated Capacity (gallons)	12,700,000	12,700,000	12,700,000	12,700,000	12,700,000
A. Compartmentalized? Yes/No	No	No	No	No	No
Estimated compartment capacity (gallons)	N/A	N/A	N/A	N/A	N/A
B. Manifolded? Yes/No	No	No	No	No	No
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

Tank Number	Tank No. F-16	Tank No. F-17	Tank No. F-18	Tank No. F-19	Tank No. F-20
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A	N/A	N/A	N/A
H. Mixture of Substances (Please specify)	N/A	N/A	N/A	N/A	N/A
I. Other, please specify.	F-76	EMPTY	JP-5	EMPTY	JP-5
5. Substance Compatible with Tank and Piping? Yes/No	Yes	N/A	Yes	N/A	Yes
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A
C. Primary Containment Material or Single-Walled Tank	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	N/A	N/A	N/A	N/A	N/A
iv. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☐	☐	☐	☐	☐
iii. Impressed current system	☐	☐	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☑	☑	☑	☑	☑
vi. Other, please specify.	N/A	N/A	N/A	N/A	N/A
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	Field-constructed
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	N/A

Tank Number	Tank No. F-16	Tank No. F-17	Tank No. F-18	Tank No. F-19	Tank No. F-20
C. Primary Containment Material or Single-Walled Piping	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☑	☑	☑
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
D. Secondary Containment Material	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☐	☐	☐	☐	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground
v. None	☑	☑	☑	☑	☑
E. Corrosion Protection (except fiberglass reinforced plastic piping)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☐	☐	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☑	☑	☑	☑	☑
v. Other, please specify.	N/A	N/A	N/A	N/A	N/A
8. Method of Product Dispensing					
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☑	☑	☑	☑	☑
D. Not Applicable	☐	☐	☐	☐	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A	N/A	N/A	N/A
B. Capacity (gallons)	N/A	N/A	N/A	N/A	N/A
10. Overfill prevention equipment	☑	☑	☑	☑	☑
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. F-16		Tank No. F-17		Tank No. F-18		Tank No. F-19		Tank No. F-20	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☑	NA	☑	NA	☑	NA	☐	NA	☑	NA
B. Tank tightness testing	☑	NA	☑	NA	☑	NA	☐	NA	☑	NA
C. Inventory control	☑	NA	☑	NA	☑	NA	☐	NA	☑	NA
D. Automatic tank gauging	☑	NA	☑	NA	☑	NA	☐	NA	☑	NA
E. Vapor monitoring	☑	☐	☑	☐	☑	☐	☐	☐	☑	☐
F. Groundwater monitoring	☑	☐	☑	☐	☑	☐	☑	☐	☑	☐
G. Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☑	☑	☑	☑	☑	☑	☐	☑	☑	☑
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	No	NA	No	NA	No
If **YES**, specify type.	See cover letter		See cover letter		See cover letter		See cover letter		See cover letter	
J. Line tightness testing	NA	☐	NA	☐	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	N/A	API 570 certified	approved TIRM, see cover letter	API 570 certified

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. F-ST1	Tank No. F-ST2	Tank No. F-ST3	Tank No. F-ST4	Tank No.____
1. Status of Tank (Mark only one)					
A. Currently in Use	☑	☑	☑	☑	☐
B. Temporarily Out of Use	☐	☐	☐	☐	☐
2. Date of Installation (month/year)	07/1942	07/1942	07/1942	07/1942	
3. Estimated Capacity (gallons)	400,000	400,000	400,000	400,000	
A. Compartmentalized? Yes/No	No	No	No	No	No
Estimated compartment capacity (gallons)	N/A	N/A	N/A	N/A	
B. Manifolded? Yes/No	No	No	No	No	No
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

Tank Number	Tank No. F-ST1	Tank No. F-ST2	Tank No. F-ST3	Tank No. F-ST4	Tank No. ____
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A	N/A	N/A	
H. Mixture of Substances (Please specify)	N/A	N/A	N/A	N/A	
I. Other, please specify.	F-24	JP-5	F-76	F-76	
5. Substance Compatible with Tank and Piping? Yes/No	Yes	Yes	Yes	Yes	N/A
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	
C. Primary Containment Material or Single-Walled Tank	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	Concrete lined w/steel	
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☐	☐	☐	☐	☐
iii. Other, please specify.	N/A	N/A	N/A	N/A	
iv. None	☑	☑	☑	☑	☐
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☐	☐	☐	☐	☐
iii. Impressed current system	☐	☐	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☑	☑	☑	☑	☐
vi. Other, please specify.	N/A	N/A	N/A	N/A	
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed	Field-constructed	Field-constructed	
B. Underwriters Laboratory No.	N/A	N/A	N/A	N/A	

Tank Number	Tank No. F-ST1	Tank No. F-ST2	Tank No. F-ST3	Tank No. F-ST4	Tank No. ____
C. Primary Containment Material or Single-Walled Piping	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☑	☑	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	
D. Secondary Containment Material	See cover letter				
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☐	☐	☐	☐	☐
iv. Other, please specify.	Piping is above ground	Piping is above ground	Piping is above ground	Piping is above ground	
v. None	☑	☑	☑	☑	☐
E. Corrosion Protection (except fiberglass reinforced plastic piping)	See cover letter				
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☐	☐	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☑	☑	☑	☑	☐
v. Other, please specify.	N/A	N/A	N/A	N/A	
8. Method of Product Dispensing	See cover letter				
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☐	☐	☐	☐	☐
D. Not Applicable	☑	☑	☑	☑	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A	N/A	N/A	
B. Capacity (gallons)	N/A	N/A	N/A	N/A	
10. Overfill prevention equipment	☑	☑	☑	☑	☐
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ See cover letter	☑ See cover letter	☑ See cover letter	☑ See cover letter	☐
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. F-ST1		Tank No. F-ST2		Tank No. F-ST3		Tank No. F-ST4		Tank No.____	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☑	NA	☑	NA	☑	NA	☑	NA	☐	NA
B. Tank tightness testing	☑	NA	☑	NA	☑	NA	☑	NA	☐	NA
C. Inventory control	☑	NA	☑	NA	☑	NA	☑	NA	☐	NA
D. Automatic tank gauging	☑	NA	☑	NA	☑	NA	☑	NA	☐	NA
E. Vapor monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
F. Groundwater monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
G. Interstitial monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☑	☑	☑	☑	☑	☑	☑	☑	☐	☐
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	No	NA	No	NA	N/A
If **YES**, specify type.	See cover letter		See cover letter		See cover letter		See cover letter			
J. Line tightness testing	NA	☐	NA	☐	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified	approved TIRM, see cover letter	API 570 certified		

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

VIII. FINANCIAL RESPONSIBILITY (Check all that apply)

☐ Commercial Insurance ☐ Letter of Credit ☐ Local Government Bond Rating Test
☐ Financial Test of Self Insurance ☐ Surety Bond ☐ Other Method Allowed (Specify) _____
☐ Guarantee ☐ Trust Fund ☑ Exempt: ☐ State or ☑ Federal Agency

IX. FACILITY DRAWING

Include a drawing showing the general layout of the facility. This drawing should be no larger than 11 by 17 inches and preferably to scale. This drawing should show the following:

A. The property boundaries of the facility;
B. Identification of streets, roads and nearby bodies of water;
C. Identification of nearby facilities;
D. Tax Map Key (TMK) Numbers;
E. Location of buildings at the facility;
F. The approximate dimensions of the property boundaries and major buildings;
G. Location of all USTs and dispenser pumps (identified by number/s consistent with the tank & dispenser pump numbers in Sections XI and XII), and associated pipings; and
H. Indication of North/South direction.

X. LOCATION MAP

Include a map showing the location of the tanks with respect to nearby landmarks. The map should indicate roads and landmarks to a level of detail such that the site would be easily located.

XI. DESCRIPTION OF TANK(S) (Complete for each tank at this location)

Tank Number	Tank No. PRT-Diamond Head	Tank No. PRT-Ewa	Tank No.____	Tank No.____	Tank No.____
1. Status of Tank (Mark only one)					
A. Currently in Use	☑	☑	☐	☐	☐
B. Temporarily Out of Use	☐	☐	☐	☐	☐
2. Date of Installation (month/year)	07/2010	05/2006			
3. Estimated Capacity (gallons)	2,000	4,000			
A. Compartmentalized? Yes/No	No	No	N/A	N/A	N/A
Estimated compartment capacity (gallons)	N/A	N/A			
B. Manifolded? Yes/No	No	No	N/A	N/A	N/A
4. Substance Stored					
A. Gasoline (Specify product grade)	N/A	N/A	N/A	N/A	N/A
B. Diesel	☐	☐	☐	☐	☐
C. Gasohol (Including ethanol blends) Specify product grade	N/A	N/A	N/A	N/A	N/A
D. Kerosene	☐	☐	☐	☐	☐

Tank Number	Tank No. PRT-Diamond Head	Tank No. PRT-Ewa	Tank No.____	Tank No.____	Tank No.____
E. Used Oil/Waste Oil	☐	☐	☐	☐	☐
F. JP-4	☐	☐	☐	☐	☐
G. Non-Petroleum Hazardous Substance (CERCLA name and/or CAS #)	N/A	N/A			
H. Mixture of Substances (Please specify)	N/A	N/A			
I. Other, please specify.	F-24	F-24			
5. Substance Compatible with Tank and Piping? Yes/No	Yes	Yes	N/A	N/A	N/A
6. Tank (Mark all that apply)					
A. Manufacturer and Model	Steel Tank Institute/STI-P3	Steel Tank Institute/STI-P3			
B. Underwriters Laboratory No.	UL-58	UL-58			
C. Primary Containment Material or Single-Walled Tank					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☑	☑	☐	☐	☐
iii. Other, please specify.	N/A	N/A			
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Steel	☑	☑	☐	☐	☐
iii. Other, please specify.	N/A	N/A			
iv. None	☐	☐	☐	☐	☐
E. Corrosion Protection (except Fiberglass reinforced plastic tanks)					
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Double-walled steel	☑	☑	☐	☐	☐
iii. Impressed current system	☑	☑	☐	☐	☐
iv. Sacrificial anode system	☐	☐	☐	☐	☐
v. Corrosion expert determination	☐	☐	☐	☐	☐
vi. Other, please specify.	N/A	N/A			
7. Piping					
A. Manufacturer and Model	Field-constructed	Field-constructed			
B. Underwriters Laboratory No.	N/A	N/A			

Tank Number	Tank No. PRT-Diamond Head	Tank No. PRT-Ewa	Tank No.____	Tank No.____	Tank No.____
C. Primary Containment Material or Single-Walled Piping					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Steel	☑	☑	☐	☐	☐
iv. Other, please specify.	N/A	N/A			
D. Secondary Containment Material					
i. Fiberglass reinforced plastic	☐	☐	☐	☐	☐
ii. Flex piping	☐	☐	☐	☐	☐
iii. Lined trench	☑	☑	☐	☐	☐
iv. Other, please specify.	N/A	N/A			
v. None	☐	☐	☐	☐	☐
E. Corrosion Protection (except fiberglass reinforced plastic piping)					
i. Fiberglass coated steel	☐	☐	☐	☐	☐
ii. Impressed current system	☑	☑	☐	☐	☐
iii. Sacrificial anode system	☐	☐	☐	☐	☐
iv. Corrosion expert determination	☐	☐	☐	☐	☐
v. Other, please specify.	N/A	N/A			
8. Method of Product Dispensing					
A. Unsafe Suction (valve at tank)	☐	☐	☐	☐	☐
B. Safe Suction (no valve at tank)	☐	☐	☐	☐	☐
C. Pressure	☐	☐	☐	☐	☐
D. Not Applicable	☑	☑	☐	☐	☐
9. Spill prevention equipment	☐	☐	☐	☐	☐
A. Manufacturer and Model	N/A	N/A			
B. Capacity (gallons)	N/A	N/A			
10. Overfill prevention equipment	☑	☑	☐	☐	☐
A. Automatic shutoff device (flapper) Make and Model	☐	☐	☐	☐	☐
B. Overfill alarm Make and Model	☑ Innovative Solutions/ L500E	☑ ENRAF 854	☐	☐	☐
C. Ball float valve Make and Model	☐	☐	☐	☐	☐

Tank Number	Tank No. RFT-Diamond Head		Tank No. FRT-Ewa		Tank No.____		Tank No.____		Tank No.____	
11. Release Detection (Mark all that apply)	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE	TANK	PIPE
A. Manual tank gauging	☐	NA	☐	NA	☐	NA	☐	NA	☐	NA
B. Tank tightness testing	☑	NA	☑	NA	☐	NA	☐	NA	☐	NA
C. Inventory control	☑	NA	☑	NA	☐	NA	☐	NA	☐	NA
D. Automatic tank gauging	☑	NA	☑	NA	☐	NA	☐	NA	☐	NA
E. Vapor monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
F. Groundwater monitoring	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
G. Interstitial monitoring	☑	☐	☑	☐	☐	☐	☐	☐	☐	☐
H. Statistical inventory reconciliation	☑	☑	☑	☑	☐	☐	☐	☐	☐	☐
I. Automatic line leak detectors (Yes/No)	NA	No	NA	No	NA	N/A	NA	N/A	NA	N/A
If **YES**, specify type.										
J. Line tightness testing	NA	☑	NA	☑	NA	☐	NA	☐	NA	☐
K. Other method approved by the Department. Please specify	N/A	N/A	N/A	N/A						

XII. DESCRIPTION OF DISPENSER AND UNDER DISPENSER CONTAINMENT

(Attach additional sheet if necessary.)

Dispenser Unit	Manufacturer of Dispenser	Dispenser Serial #	Under Dispenser Containment installed (Yes/No) - Installation Date
1			N/A
2			N/A
3			N/A
4			N/A
5			N/A
6			N/A
7			N/A
8			N/A
9			N/A
10			N/A
11			N/A
12			N/A

Facility ID No. 9-102271

XIII. OPERATOR'S CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

LCDR Blake Whittle	Regional Fuels Officer
Name of operator or operator's authorized representative (Print or Type)	Official Title
[signature]	13 MAR 19
Signature	Date Signed

Status of Signatory (Mark as appropriate)

1.	Corporation:	☐ principal executive officer
		☐ duly authorized representative
2.	Partnership:	☐ general partner
3.	Sole proprietorship:	☐ proprietor
4.	Government entity:	☐ principal executive officer
		☐ ranking elected official
		☑ duly authorized employee

XIV. OWNER'S CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

CAPT Marc Delao	Regional Engineer
Name of owner or owner's authorized representative (Print or Type)	Official Title
[signature]	13 Mar 19
Signature	Date Signed

Status of Signatory (Mark as appropriate)

1.	Corporation:	☐ principal executive officer
		☐ duly authorized representative
2.	Partnership:	☐ general partner
3.	Sole proprietorship:	☐ proprietor
4.	Government entity:	☑ principal executive officer
		☐ ranking elected official
		☐ duly authorized employee

CNRH LETTER 5750 SER N4/0459 OF MARCH 13, 2019 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS APPLICATION.

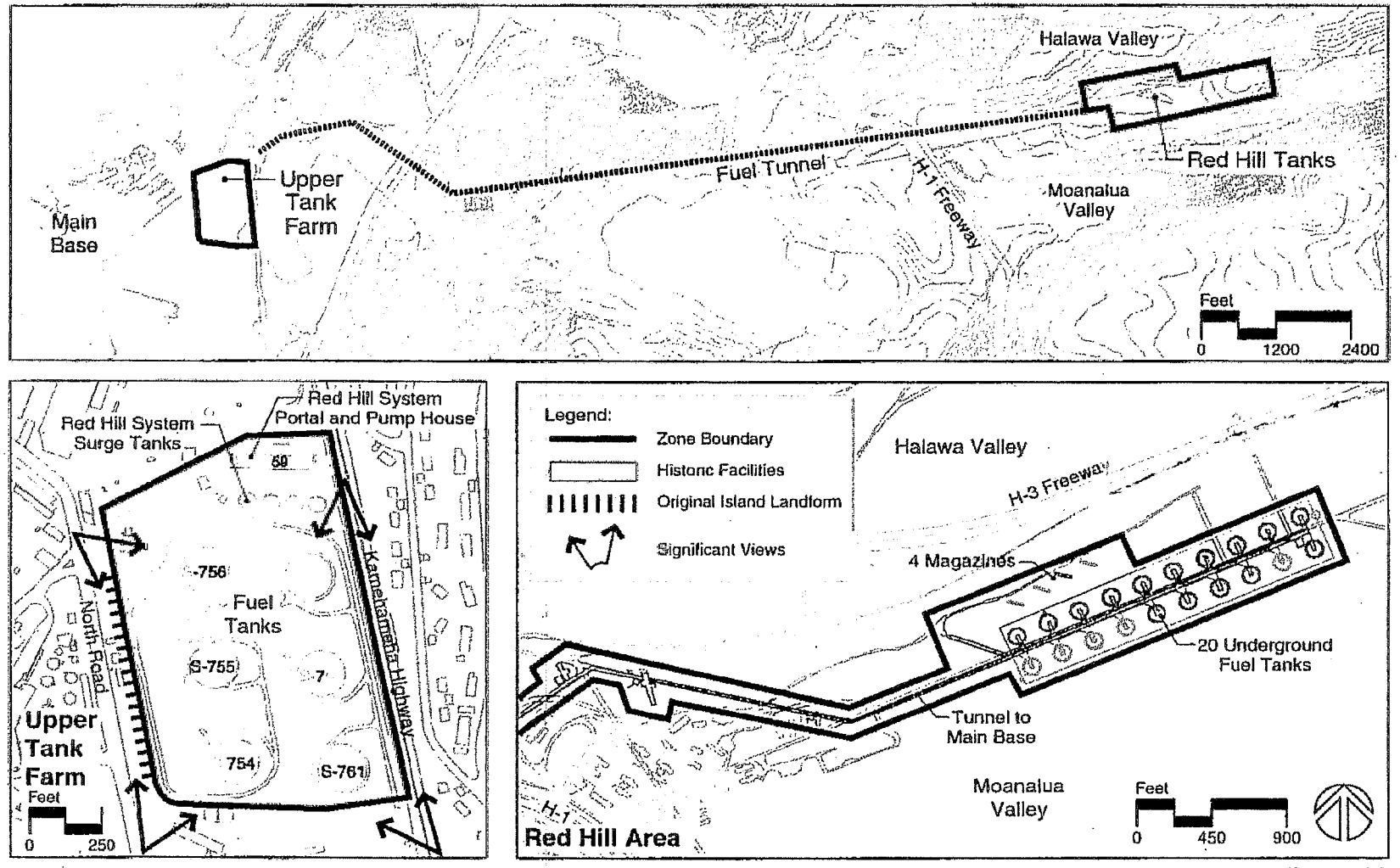

Figure 10

Character-Defining Features and Boundary for Fuel Facilities Zone

TRUE NORTH
SCALE: 1"=450'

QUEEN EMMA ESTATE

FLCPH
TANK 311
40,000 GAL

FLCPH
TANK 310
150 GAL

STREAM

STATE OF HAWAII

ADIT NO. 3

ADIT NO. 4

ADIT NO. 5

ADIT NO. 6

217 NEW GATE

219

NEW GATE

348

324

WATER STORAGE TANK (PWC)

5315

HALAWA

S-311

NEW GATE

NEW GATE

PRIVATE PROPERTY

FLCPH
USTs 1 – 20
11,970,000 – 12,600,000 GAL
(EXEMPT)

ICARUS

WAY

COAST GUARD AREA

COAST GUARD AREA

50' POOLAULA PLACE

POOLAULA

RED HILL HOUSING AREA (PMC)

ARMY AREA

ALAMANU DRIVE

MOANALUA

FREEWAY

MOANALUA GOLF COURSE

450' 0 450' 900'

SCALE: 1"=450'

element environmental llc
environmental · engineering · water resources

PROJECT TITLE:
SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN FOR COMMANDER, NAVY REGION HAWAII

FIGURE TITLE:
RED HILL
TANK AND FACILITY LOCATION MAP

DATE: DECEMBER 2013

FIGURE NO.: B-1-1

FILE: 2005011-FISC-RED HILL.dwg
DATE: 12/19/2013

N00711

Exhibit N-6A

NAVY0009578