



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
KA 'OIHANA OLAKINO  
P. O. BOX 3378  
HONOLULU, HI 96801-3378

In reply, please refer to:  
File:

August 7, 2023

Vice Admiral John Wade  
Joint Task Force, Red Hill  
1025 Quincy Avenue, Suite 900  
Joint Base Pearl Harbor Hickam, Hawaii 96860-5101  
[via email only: [john.f.wade2.mil@us.navy.mil](mailto:john.f.wade2.mil@us.navy.mil)]

Dear Vice Admiral Wade:

**SUBJECT: Second June JTF-RH Quality Validation Reports**

The Hawai'i Department of Health (DOH) acknowledges receipt on June 26, 2023 of the Joint Task Force – Red Hill's (JTF-RH's) quality validation (QV) reports for 34 repairs (Repair Nos. 1, 8, 10, 11, 18-20, 25, 28, 30, 40, 41, 45-48, 84, 85, 54-57, 91, 92, 98, 99, 106, 108, 110, 236, and 240-243). On June 15, 2023, we received the hydrostatic and pressure test results for the JP-5 line associated with Repair Nos. 8, 25, 28, 30, and 236 from this set of reports. On July 27, 2023, in an email from the JTF-RH, we received clarification on the QV Report for Repair No. 241. On July 28, 2023, we also received revised QV Reports for Repair Nos. 10, 11, and 19.

On June 26, 2023, the DOH received a Simpson Gumpertz & Heger (SGH) memo, dated November 30, 2022, revised on December 2, 2022 and June 22, 2023, that was referenced in the QV Reports for Repair Nos. 10 and 11. This revised memo updated SGH's assumptions underlying Repair Nos. 10 and 11 by including "[a] revised estimate of the maximum expected surge pressure of [REDACTED] psi [pounds per square inch] for the F-24 pipeline based on planned defueling flow rates and a maximum operating pressure of [REDACTED] psi. This surge pressure is less than half the surge pressure evaluated in our April 2022 assessment since the collapse of vacuum-based surges will be mitigated through operational changes" (page 3). Moving forward, the JTF-RH is to ensure that all concept of operations (CONOP) and operation orders (OPORD) incorporate this design assumption. We understand from the JTF-RH that no other design changes have occurred. Notify the DOH as soon as possible if our understanding is incorrect.

On July 27, 2023, we received an email from the JTF-RH on the QV Report for Repair No. 241 clarifying why the "Rework 2" line indicates a failure of weld R-3 after the "Rework 1" line indicates it passed. The following clarification was provided: "This is an

artifact of the table layout. Weld R-3 is the o-let weld to the 18-inch line. It failed the first inspection and proceeded to Rework 1. At this point, it passed a visual inspection. The Navy did not accept the installation, issuing non-compliance notice (NCN)-001 because the fitting did not meet contract requirements. To address the issue, the Designer of Record requested a variance from the Navy, using Phased-Array Ultrasonic Thickness Testing (PAUT) to prove the fitting met contract requirements. It successfully passed PAUT, and the variance was accepted. The PAUT results are presented in the backup to the report on page 12.”

Based on the information submitted, the Quality Validation Engineer’s certification on the completion of repairs, and the DOH’s walkthrough of select repairs on June 12, 2023 and June 13, 2023, the DOH conditionally approves the submissions, provided that:

1. The maximum allowable working pressures and maximum allowable surge pressures listed in the QV Report for Repair No. 1 and described in our August 4, 2023 letter regarding surge mitigation, including the associated design assumptions and surge mitigation measures, are incorporated into the defueling operations plans (CONOPs and OPORDs).
2. There are no additional changes (identified by the JTF-RH or DOH) to the Consolidated List of Repairs for Safe Defueling, received on October 24, 2022, that will affect the portion of the infrastructure for which this conditional approval applies.
3. Future or on-going testing or assessment performed on the infrastructure does not produce failed results or the determination of additional needed repairs.
4. The Fleet Logistics Center and JTF-RH follow recommendations provided to monitor potential weeping during repacking and defueling, as well as maintain drip pans and absorbents as a precautionary measure.
5. The DOH reserves final approval of repair completion upon submission of the final Quality Validation Report.

Should you have any questions regarding this letter, please contact Ms. Kelly Ann Lee, Red Hill Project Coordinator, at (808) 586-4226 or [kellyann.lee@doh.hawaii.gov](mailto:kellyann.lee@doh.hawaii.gov).

Sincerely,

*Kathleen Ho*

KATHLEEN S. HO  
Deputy Director for Environmental Health

- c: Mr. Grant Scavello, U.S. Environmental Protection Agency [via email only]  
Mr. Evan Osborne, U.S. Environmental Protection Agency [via email only]  
BG Michelle Link, JTF-RH [via email only]  
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