

QUALITY VALIDATION (QV) REPORT

Red Hill Bulk Fuel Storage Facility Defuel

Validation Firm	HDR Environmental, Operations and Construction, Inc.	Repair No.	Surge Air Gap
Address	9781 S. Meridian Blvd., Suite 400, Englewood, CO 80112	Repair ID	N/A
Contract No.	FA890315D0007, D.O. FA8903-19-F-0027	Report Date	06 NOV 2024
QV Engineer	(b) (6)	Phone	(b) (6)
		Email	(b) (6)

VALIDATION

Source	PDF Page No.	Facility Geographic Area	Location Reference
RMMR	N/A	Underground Pumphouse	Surge Tunnel/Surge Tanks 1-4
Repair Description	Remove DBB valves from product line, pressure safety loop piping, FOR piping and sample disposal line. Remove pipe segments from relief lines. Install blind flanges.		Source Contract Reference 47QSHA18D000Y W912DY21F0025 Service Order 712
Description of Contractor QC Method(s) Used	Methods outlined in detail in QCP.		Contractor QC Records Reviewed QCP and Daily Reports.
Description of QA Validation and Observations	QA methods outlined in QASP. NCTF-RH secondary QA and 3rd Party QV completed. NCTF-RH QV observed piping demolition/removal, blind flange installation, bolt/nut torque. Final acceptance by government. Date: 06 NOV 2024		
Rework Needed		Photo Record Attached	Repair Work Validated as Complete
<input type="radio"/>	Yes	<input checked="" type="radio"/>	No
		See Page 2-5.	<input checked="" type="radio"/> Yes <input type="radio"/> No

Comments

Contractor followed approved CONOPS to demolish connecting piping from between the Surge Tunnel of the Underground Pumphouse and the Surge Tanks. Contractor removed valves from product line, removed FOR line piping from tank valve to manifold connection, removed sample disposal funnel and line to manifold connection, and removed pressure safety loop piping across DBB valve at Surge Tanks 1, 3, and 4. Contractor removed piping segments from product relief lines at threshold of Surge Tunnel to UGPH. Contractors installed Class 150 blind flanges with new gaskets and bolts/nuts. (b) (3) (A) gallons of fuel recovered from the draining of the various pipe segments and valves.

CERTIFICATION

I hereby certify that repair work validated in this report was personally substantiated and this report is true.	QV ENGINEER SIGNATURE	(b) (6)
	DATE	06 NOV 2024

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(b) (3) (A)

Before and After conditions at Surge Tank 1 product line, pressure safety loop, sample funnel and FOR line air gap.

(b) (3) (A)

Surge Tank 1 Air Gap terminations for sample and FOR line leading to UGPH.

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(b) (3) (A)

Before and After conditions at Surge Tank 2 product line, sample funnel and FOR line air gap.

(b) (3) (A)

Before and After conditions at Surge Tank 3 product line, pressure safety loop, sample funnel and FOR line air gap.

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(b) (3) (A)

Before and After conditions at Surge Tank 4 product line, pressure safety loop, sample funnel and FOR line air gap.

(b) (3) (A)

Surge Tank 4 Air Gap terminations for sample and FOR line leading to UGPH.

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(b) (3) (A)

Before and After conditions of relief lines to Surge Tanks for F-76 (left), F-24 (middle), JP-5 (right) from UGPH.

(b) (3) (A)

Surge Tank Relief lines Air Gap terminations leading to UGPH.

(b) (3) (A)

