



Red Hill Bulk Fuel Storage Facility Tank Cleaning

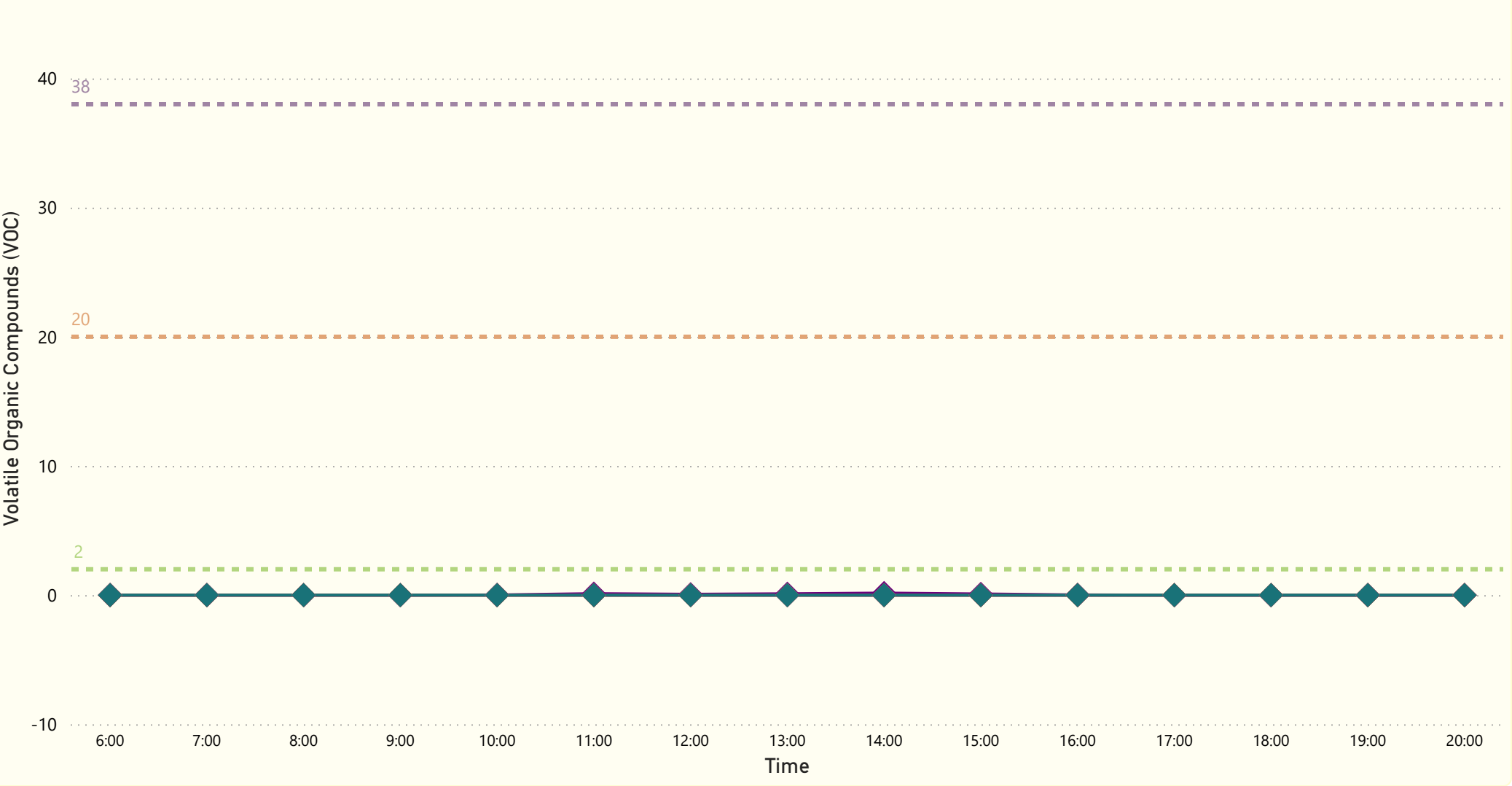
Air Quality Monitoring - Current

10/3/2024 8:00 PM

Red Hill Air Quality Monitor Readings

Parts Per Million by Volume (ppmv)

Station Name ◆ RH-AQM-1 ◆ RH-AQM-2 ◆ RH-AQM-3 ◆ RH-AQM-4 ◆ RH-AQM-5 ◆ RH-AQM-6 ◆ RH-AQM-7 ◆ RH-AQM-8 ◆ RH-AQM-9



VOC Readings Over 0

Station Name	ppmv	Date & Time
RH-AQM-4	0.001	10/3/24 5:00 PM
RH-AQM-4	0.018	10/3/24 4:00 PM
RH-AQM-4	0.092	10/3/24 3:00 PM
RH-AQM-4	0.159	10/3/24 2:00 PM
RH-AQM-4	0.105	10/3/24 1:00 PM
RH-AQM-4	0.067	10/3/24 12:00 PM
RH-AQM-4	0.115	10/3/24 11:00 AM
RH-AQM-1	0.002	10/3/24 10:00 AM
RH-AQM-4	0.015	10/3/24 10:00 AM
RH-AQM-1	0.003	10/3/24 9:00 AM
RH-AQM-1	0.008	10/3/24 8:00 AM
RH-AQM-1	0.006	10/3/24 7:00 AM
RH-AQM-1	0.004	10/3/24 6:00 AM

The data on this web page are preliminary and await review and validation by qualified staff. The data may be revised after review. Every effort is made to assert the validity and integrity of the data, but data can be affected by equipment malfunctions, technical difficulties, and other unforeseen circumstances.

Volatile Organic Compounds (VOC) Levels Legend

0 - 2 ppmv	Ambient Level (Perimeter)	20 ppmv	Cease Ventilation Operations (1 Hr total weight average)	38 ppmv	Public Notification Level 1 (8 hr exposure) (Perimeter)	144 ppmv	Level 2 (Perimeter)
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HOW WE ARE MONITORING YOUR AIR

The Hawaii State Department of Health (DOH) has set guidelines for air quality monitoring during tank ventilation at the Red Hill Bulk Fuel Storage Facility (RHBFSF). The Environmental Protection Agency’s (EPA) Acute Exposure Level Guidelines (AELG) provide limits for the release of specific chemicals into the air which may cause health effects to occur. EPA’s AELG is in place to protect the elderly, children, and other individuals who may be susceptible to health effects caused from the release of these airborne chemicals.



NCTF-RH will monitor the levels of emission every hour and provide updates on the air quality levels through our mobile app.



In the event air levels reach a threshold of 20 parts per million by volume (ppmv) at the stack (i.e., at the ventilation system exit point), NCTF-RH will investigate and cease ventilation operations until levels have decreased.



In compliance with DOH guidelines, should air quality levels reach 38 ppmv, regulators and local emergency agencies will be notified. The public will also be notified via the NCTF-RH app and a media press release. Per EPA’s AELG, this is considered Level 1. Conditions may include discomfort, irritation, or certain asymptomatic non-sensory effects. These effects are not disabling, are transient and reversible upon cessation of exposure.



Per EPA’s AELG, air quality levels at 144 ppmv are considered a Level 2 exposure. These conditions may include serious, long-lasting adverse health effects or an impaired ability to escape.

For concerns regarding air quality contact the Navy Call Center at (808) 210-6968.





Red Hill Bulk Fuel Storage Facility Tank Cleaning

Air Quality Monitoring - Current

Red Hill Air Quality Monitor Readings

Parts Per Million by Volume (ppmv)

Time	RH-AQM-1	RH-AQM-2	RH-AQM-3	RH-AQM-4	RH-AQM-5	RH-AQM-6	RH-AQM-7	RH-AQM-8	RH-AQM-9	Hr Avg VOC
6:00	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7:00	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
8:00	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
9:00	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10:00	0.002	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.002
11:00	0.000	0.000	0.000	0.115	0.000	0.000	0.000	0.000	0.000	0.013
12:00	0.000	0.000	0.000	0.067	0.000	0.000	0.000	0.000	0.000	0.007
13:00	0.000	0.000	0.000	0.105	0.000	0.000	0.000	0.000	0.000	0.012
14:00	0.000	0.000	0.000	0.159	0.000	0.000	0.000	0.000	0.000	0.018
15:00	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.010
16:00	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.002
17:00	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AQM Avg VOC	0.002	0.000	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.004

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AMBIENT LEVEL

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CEASE VENTILATION
OPERATIONS LEVEL

In the event air levels reach a threshold of 20 parts per million by volume (ppmv) at the stack (i.e., at the ventilation system exit point), NCTF-RH will investigate and cease ventilation operations until levels have decreased.



PUBLIC NOTIFICATION
LEVEL 1

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LEVEL 2

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