



# Red Hill Bulk Fuel Storage Facility Tank Cleaning

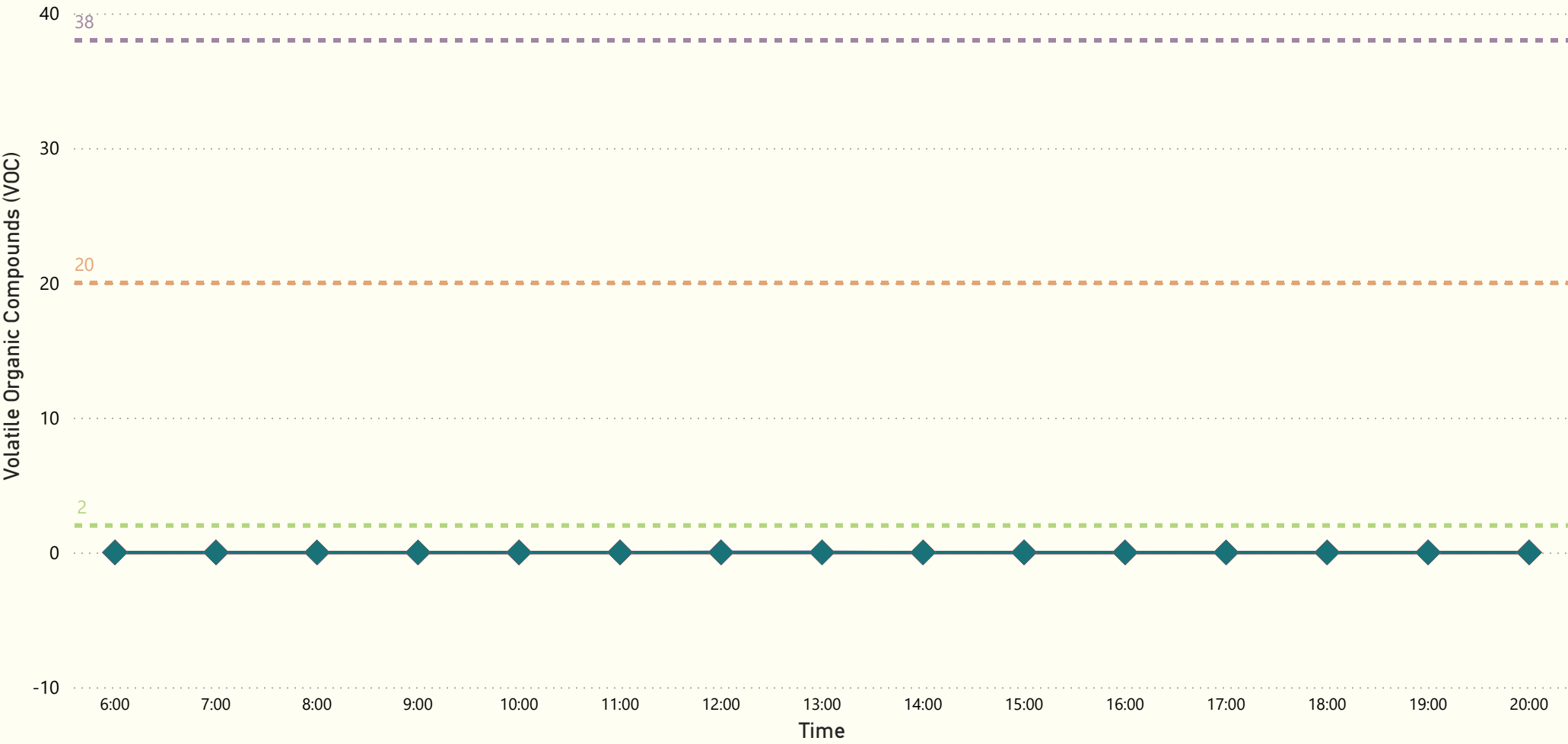
Air Quality Monitoring - Current

11/21/2025 8:00 PM

## Red Hill Air Quality Monitor Readings

Parts Per Million by Volume (ppmv)

Station Name ◆ RH-AQM-01 ◆ RH-AQM-03 ◆ RH-AQM-04 ◆ RH-AQM-05 ◆ RH-AQM-06 ◆ RH-AQM-07 ◆ RH-AQM-08 ◆ RH-AQM-09 ◆ RH-AQM-10\*

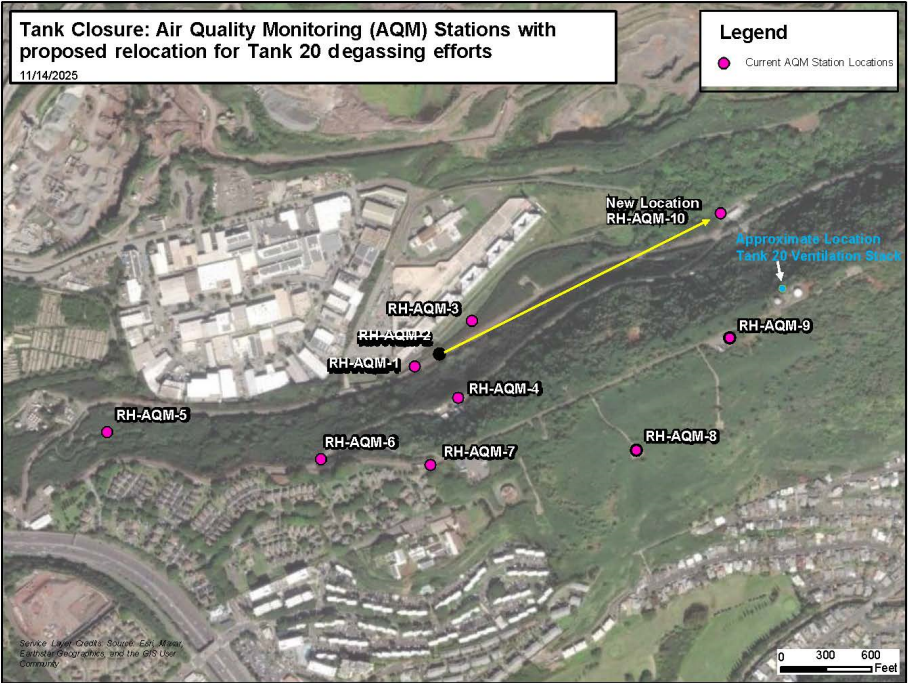


## VOC Readings Over 0

| Station Name | ppmv  | Date & Time       |
|--------------|-------|-------------------|
| RH-AQM-03    | 0.025 | 11/21/25 1:00 PM  |
| RH-AQM-03    | 0.023 | 11/21/25 12:00 PM |
| RH-AQM-01    | 0.001 | 11/21/25 11:00 AM |

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\* With approval from the Hawaii Department of Health (DOH) on October 30, 2025, one of NCTF-RH's nine monitoring stations, referred to as AQM-02, has been temporarily relocated to best capture air quality monitoring data during active tank 20 ventilation. Effective, November 1, 2025, it will temporarily be referred to as AQM-10, as indicated on the map below, and will remain at the new location for the duration of the tank 20 ventilation. At the completion of tank 20 ventilation, AQM-10 will return to its original location as AQM-02.



## Volatile Organic Compounds (VOC) Levels Legend

|                   |                           |                |                                                          |                |                                                         |                 |                     |
|-------------------|---------------------------|----------------|----------------------------------------------------------|----------------|---------------------------------------------------------|-----------------|---------------------|
| <b>0 - 2 ppmv</b> | Ambient Level (Perimeter) | <b>20 ppmv</b> | Cease Ventilation Operations (1 Hr total weight average) | <b>38 ppmv</b> | Public Notification Level 1 (8 hr exposure) (Perimeter) | <b>144 ppmv</b> | Level 2 (Perimeter) |
|-------------------|---------------------------|----------------|----------------------------------------------------------|----------------|---------------------------------------------------------|-----------------|---------------------|

## 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.

AMBIENT LEVEL

CEASE VENTILATION OPERATIONS LEVEL

PUBLIC NOTIFICATION LEVEL 1

LEVEL 2

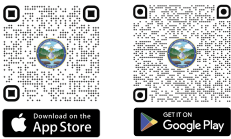
NCTF-RH will monitor the levels of emission every hour and provide updates on the air quality levels through our mobile app.

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.





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## Air Quality Monitoring - Current

11/21/2025 8:00 PM

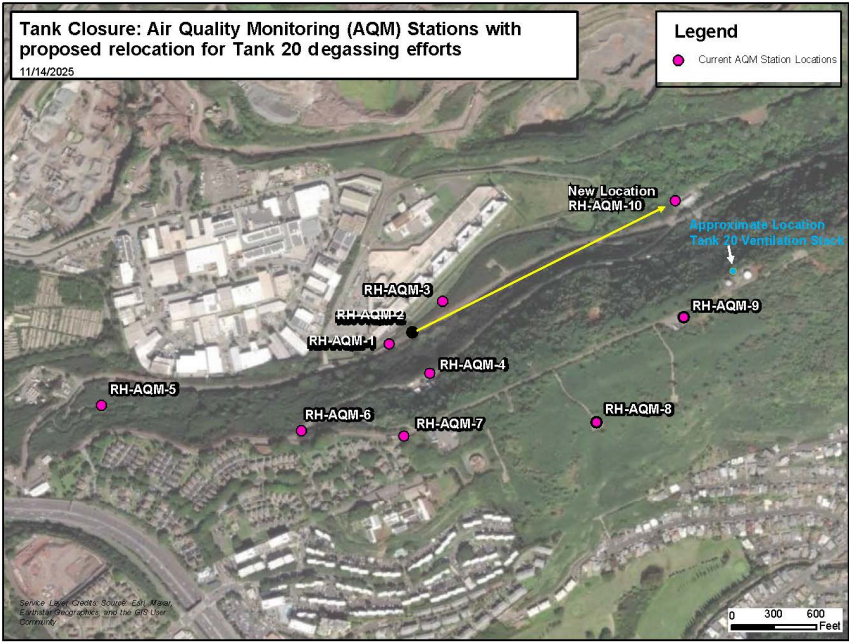
### Red Hill Air Quality Monitor Readings

Parts Per Million by Volume (ppmv)

| Time        | RH-AQM-01 | RH-AQM-03 | RH-AQM-04 | RH-AQM-05 | RH-AQM-06 | RH-AQM-07 | RH-AQM-08 | RH-AQM-09 | RH-AQM-10* | Hr Avg VOC |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| 6:00        | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 7:00        | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 8:00        | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 9:00        | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 10:00       | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 11:00       | 0.001     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 12:00       | 0.000     | 0.023     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.003      |
| 13:00       | 0.000     | 0.025     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.003      |
| 14:00       | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 15:00       | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 16:00       | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |
| 17:00       | 0.000     | 0.000     | 0.000     | 0.000     | 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 | 0.000     | 0.003     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000     | 0.000      | 0.000      |

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