

IHC CDF Dredge Project : Air Monitoring Alarm Response Log

Air Monitoring Station: M1 M2 M3 M4 Dock

Air Monitoring Instrument:

Cerex Unit (Naphthalene) Thermo Unit (Particles) PID Monitor

Date & Time of alarm: 1/1/2021 Thru 1/19/2021 7: Email sent to site Technician? (Yes or No)

Technician responded to the alarm? Scott Peterson

1. Was dredging occurring at the time of the alarm? (Yes or No)

2. Alarm caused by:

- | | |
|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | Loss of Power |
| <input type="checkbox"/> | Loss of Radio Communication |
| <input checked="" type="checkbox"/> | Out of Calibration |
| <input type="checkbox"/> | UV Alignment |
| <input type="checkbox"/> | Blockage in Air Tube |
| <input type="checkbox"/> | Air Quality |
| <input checked="" type="checkbox"/> | Other: Unknown |

3. Corrective Actions taken? (Yes or No)

4. Dredging suspended? (Yes or No)

5. Alarm logged in air monitoring action spreadsheet? (Yes or No)

Description of Action Taken:

The Thermo air unit M1 nephelometer meter would not stabilize. Air unit nephelometer was calibrated several times during the month which resulted in no changing in stabilizing the nephelometer. A full calibration including temperature, RH, barometric sensor, full mass foil and nephelometer did not help the nephelometer become stable. Additionally, the Inlet Nephelometer chamber and Beta attenuation chamber were cleaned and vacuumed and the filter paper was replaced. Air unit was turned off for a couple of days then turn back on and a full calibrations was completed.