

# 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: 12/12/2020 Thru 12/31/2020            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 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. Thermo technical support is needed to help with solving the problem.