Evaluation of current UAO Air Monitoring Plan.

See: Table 1.1 (Page 1 of 2) RCRA Pond Air Release Monitoring Sampling Summary RCRA Pond UAO - Statement of Work – Task 1

a. Equipment: Draeger Pac III Field Instrument 0-20 ppm range (Draeger Pac III with the XXS PH3 Sensor has a reported detection limit of 0.02 ppmv (25 ug/m3)
b. Frequency:
    i. Pond 16S
        i. Initially: Quarterly
        ii. Increase to Monthly: if perimeter pipe PH3 concentration greater than 2000 ppm
        iii. Reduce back to Quarterly: If twelve (12) consecutive months of no detections at or above 0.05 ppm PH3
        iv. Reduced to Annually: After four (4) consecutive quarters of no detections of PH3 at or above 0.05 ppm of PH3
        v. Discontinued: After four (4) consecutive years of no PH3 detections
    ii. Ponds 8E, 15S, 17, and 18a
        i. Initially: Monthly
        ii. Reduce to Quarterly: If twelve (12) consecutive months of no detections at or above 0.05 ppm PH3
        iii. Reduced to Annually: After four (4) consecutive quarters of no detections of PH3 at or above 0.05 ppm of PH3
        iv. Discontinued: After four (4) consecutive years of no PH3 detections
    iii. Ponds 9E, 8S, and Phase IV
        i. Initially: Quarterly
        ii. Reduced to Annually: After four (4) consecutive quarters of no detections of PH3 at or above 0.05 ppm of PH3
        iii. Discontinued: After four (4) consecutive years of no PH3 detections
        c. Locations
    i. **Cap Perimeter Surface Scan:** Pond perimeter from anchor trench to approximate 6 feet outside anchor trench. 1 to 2 inches ags.
    ii. **Cap Surface Scan:** Over cap surface inside cap anchor trench (Sampled only when monthly or quarterly cap perimeter surface scan measurement exceeds alarm point of 0.05 ppm.)

    iii. Air Monitoring: Twelve inches outside perimeter of appurtenance.
    iv. Leak Monitoring: 1-2 inches from potential leakage points.
        i. **TMP Enclosures**
        ii. **ET Cap Drainage and LCDRS Sumps**
        iii. **Instrument Panels**
        iv. **Perimeter Piping Standpipes**