Washington River Protection Solutions

EVENT SUMMARY

Check PART 1 box to hide that section of the form. Check PART 2 box it will show that section.

☐ **PART 1 *(hide)**** ☒ **PART 2 *(show)****

NOTE: *This form provides timely notification to management and documents preliminary information of an event that may require a more formal investigation. Details may change upon further examination and analysis. The following is a current status of available information:*

Project: AP Farm Input 3 Wireless Sensor Date: May 6, 2021

Area/Building/Location: AP Farm -Tank 103 Approximate Time of Event: 13:20

AR Number: WRPS-AR-2021-3128 Responsible Manager: [redacted]

EIR Number: EIR-2021-036 Event Investigator: [redacted]

EVENT SUMMARY PART I

Activity in Progress *(What activity was under way, include procedures and work order numbers, as applicable)*:

AP Farm Wireless System upgrades - WO#606-141-241-AP,AOP3A(LDSTA-207)

Personnel Involved *(Job positions, number of personnel, identify any support organizations or subcontractors directly involved)*:

Electricians - 2

What Happened *(Provide a short discussion of what happened)*:

At approximately 13:23 hours, two workers were performing electrical work on the AP wireless system when one of the employee's Personal Ammonia Monitor(PAM) alarmed at 6ppm. Both workers completed odor response cards. No workers reported symptoms and declined medical evaluations.

At the time the change in vapor condition was reported, the individuals were working in an area requiring use of respiratory protection. All workers were instructed to leave the area. Access to the area was restricted.

Industrial Hygiene Technicians(IHT) responded to the area with Direct Read Instruments (DRI). DRI instrument readings were below action levels. The restricted area has been down-posted.

Where Did It Happen *(Description of work area and working conditions. Include information on weather conditions, PPE, Postings, etc.)*:

Interior of AP Farm, near AP103.

The workers were wearing forced air purifying respirators.

The weather was dry, sunny and around 84 degrees Fahrenheit with winds blowing 0-4 MPH at a westward direction.

Impact to Facility *(Caused by the event or a description of known consequences)*:

No impact to the facility. Work was delayed for the TF-AOP-015 response actions

Immediate Actions Taken *(List immediate actions taken to stabilize the scene or respond to the event)*:

- Both workers exited the farm after placing work in a safe configuration. Access to AP Farm was restricted.
- Workers completed odor response cards. Neither worker reported smelling any odors and both workers declined precautionary medical evaluation.
- Industrial Hygiene Technicians (IHTs) responded to the area and took direct reading instrument (DRI) readings. DRI readings were below action levels. The CSM exited TF-AOP-015 and access to the area is no longer restricted.

Notifications Already Made *(Time and personnel notified)*:

13:23 - Notified Central Shift Office of ToxiRae Alarm
13:53- Entered TF-AOP-015: SOEN
13:55 - AP Farm Posted Restricted Access

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EVENT SUMMARY (Continued)

Project: AP Farm Input 3 Wireless Sensor Date: May 6, 2021

Area/Building/Location: AP Farm -Tank 103 Approximate Time of Event: 13:20

AR Number: WRPS-AR-2021-3128 Responsible Manager: [redacted]

EIR Number: EIR-2021-036 Event Investigator: [redacted]

Notifications Already Made *(Time and personnel notified)*:

14:52 - Facility Representative, Briefed on AOP-015 Entry
14:52 - Facility Representative, Briefed on AOP-015 Exit, EIR 2021-036 Initiated
14:52 - Exited AOP-015

☒ This event does not merit an Event Investigation meeting

☐ This event merits an Event Investigation meeting

Basis for Determination:

Due to the limited personnel involved (two workers) the event investigation can be documented by review of the odor response cards, personnel interviews and IH instrument evaluation.

Responsible Manager:

[redacted] [redacted] [redacted]

Print First and Last Name *Signature / Date*

CAS Manager:

[redacted] [redacted] [redacted]

Print First and Last Name *Signature / Date*

EVENT SUMMARY PART II

Key Elements of the Investigation *(Key investigation points)*:

At approximately 13:23 hours, while two employees were working on a wireless leak detector system near AP-103 in the AP Farm, one worker's personal ammonia monitor(PAM) alarmed at 6ppm. The other worker's personal ammonia monitor did not alarm and only showed a peak of 1ppm during use. Both workers were wearing respiratory protection. The workers stopped work, made sure the workspace was in a safe configuration and immediately left the area.

Industrial Hygiene Event Investigation Report (IHIR) number IHIR-00016 reported the following key data about the event:

Field Response monitoring results:
- Ammonia - less than detectable (less than one [1] parts per million)

Hotel Load area monitoring results:
- Ammonia - less than detectable (less than one [1] parts per million)
- Volatile Organic Compounds - less than detectable (less than ten [10] parts per billion)

Hotel Load Stack Monitoring results (at 1255 on 05/06/2021)
- Ammonia - twenty-four (24) parts per million
- Volatile Organic Compounds - two-point-one-nine (2.19) parts per million

- Affected ToxiRAE #002636 (instrument that alarmed) additional information:
  - Passed a post-use-function-test.
  - Six (6) parts per million peak
  - Was placed into service on 08/06/2018

- ToxiRae #003732 (instrument that did not alarm) additional information:
  - Passed post-use-function-test
  - One (1) parts per million peak
  - Was placed into service on 08/19/2019

- Both ToxiRae instruments passed the post use function test.

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EVENT SUMMARY (Continued)

Project: AP Farm Input 3 Wireless Sensor Date: May 6, 2021

Area/Building/Location: AP Farm -Tank 103 Approximate Time of Event: 13:20

AR Number: WRPS-AR-2021-3128 Responsible Manager: [redacted]

EIR Number: EIR-2021-036 Event Investigator: [redacted]

Key Elements of the Investigation *(Key investigation points)*:

The employee, who's instrument alarmed, stated in follow-up interviews they were standing downwind of the other worker. Based on the proximity of both workers, the only ToxiRae instrument that alarmed was the furthest downwind position from the other employee, based on the prevailing wind direction.

At the time of the issuance of part two of this report the Industrial Hygiene Investigation Report (IHIR) had yet to be completed. When the IHIR is released, all pertinent IH information will be included in this report through revision.

****

REVISION 1: This revision has been completed to include information from the related IHIR.

Leak detector instrument calibration was a "dry" calibration in which specific electrical signals are provided to the instrument from the associated electrical cabinet. Calibration was not a "wet functional check" and so no direct access to the pit was performed.

Data Fusion Advisory System Smart Site data from time of initiating event (1315 05/06/2021)

- Wind Speed: eight-point-three (8.3) miles per hour
- Wind Direction: Two-hundred-fourty degrees (240°) (Out of West South West)
- Mixing Height: Thirteen-hundred (1300) feet above grade
- Stability Class: D

The Event Initiating Personal Ammonia Monitor (ToxiRAE 002636) continued to operate normally and within specifications (passed bump test) after the initiating event. Event Initiating Personal Ammonia Monitor (ToxiRAE 002636) fluctuated prior to and following the Peak Reading Event recording instantaneous readings of 5 ppm at 1058 05/06/2021, 1327 05/06/2021, and 1321 05/06/2021. RPP-RPT-61096 (Wearable Ammonia Detector Field Trial) stated that false positive concentration readings (positive bias) can be expected up to four (4) parts per million with the ToxiRAE Pro. Therefore, the alarm resultant from instrument malfunction could not be ruled out. Various working conditions have the potential to affect a ToxiRAE while worn in the field; however, it cannot be concluded any of these contributed to the Personal Ammonia Monitor alarm. Based on a review of the Data Fusion and Advisor System (DFAS) application, powered by SmartSite™, atmospheric neutral stability combined with high atmospheric mixing height, indicate there was a very low potential for ground level exposure from Tank Farm Exhausters. Data Fusion and Advisor System modeled exhauster plumes and inferred exhauster plumes extrapolated from Data Fusion Advisory System models for high atmospheric mixing height, did not include the affected area at the time of the initiating event. Additionally, no on-going work around the A-Complex identified during the Industrial Hygiene Event Investigation that may cause the Personal Ammonia Monitor alarm.

While the event initiating Personal Ammonia Monitor recorded a peak reading of seven (7) parts per million, and was above the response level (RL), all Personal Ammonia Monitor readings were below the Ammonia action level (AL) and were well below all established occupational exposure limits (OEL). Therefore, Ammonia exposures are well below the workplace concentrations to which a person can be exposed without suffering adverse health effects.
Note: The Industrial Hygiene Event Investigation Report (IHIR) IHIR-000166 was approved and signed on 5/18/21. The approved and issued IHIR didn't change the content of the issued Event Summary Form. This Event Summary form was reissued as REVISION 1.

Additional Compensatory/Remedial Measures *(any additional measures taken if different from immediate actions)*:

None.

Washington River Protection Solutions

EVENT SUMMARY (Continued)

Project: AP Farm Input 3 Wireless Sensor | Date: May 6, 2021

Area/Building/Location: AP Farm –Tank 103 | Approximate Time of Event: 13:20

AR Number: WRPS-AR-2021-3128 | Responsible Manager: [redacted]

EIR Number: EIR-2021-036 | Event Investigator: [redacted]

Lessons Learned or Information That the Work Force Needs Immediately:

N/A

☐ An Event Investigation will be completed per TFC-OPS-OPER-C-14

☐ This event will be managed by another process, i.e., Operability Evaluation, Engineering Technical Evaluation, etc.

☒ This event does not require continuation of the Event Investigation process

Basis for Determination:

Considering the Industrial Hygiene Investigation Report is not complete at the time of issuance, the Event Investigation process will continue in accordance with TFC-OPS-OPER-C-14, which could include a complete EIR report, or a revision to this document.

REVISION 1:

The investigation continued with the initiated TF-AOP-015 response plan and concluded that all readings obtained were below action limits, with none of the affected workers experiencing symptoms.

Given the Data Fusion and Advisor System (DFAS) data, the time of the event and the field response survey readings, it's unlikely the ToxiRAE alarm was caused by a tank vapor associated event. No fugitive source points were identified. It appears the most likely cause was attributed to a blocking of the gas inlet of the ToxiRAE, high humidity and/or water droplets can disturb diffusion into the sensor, causing an impingement of the passive ammonia sensor, leading to a false reading. The communication of preventing an impingement has been relayed to the workers.

Responsible Manager:

[redacted] — *Print First and Last Name*

[redacted] Digitally signed by [redacted] Date: 2021.07.21 15:33:04 -07'00' — *Signature / Date*

CAS Manager:

[redacted] — *Print First and Last Name*

[redacted] Digitally signed by [redacted] Date: 2021.07.21 14:02:22 -07'00' — *Signature / Date*

* Depending on which Part of the form is shown, Part 1 or Part 2 can be hidden

Washington River Protection Solutions

INDUSTRIAL HYGIENE EVENT INVESTIGATION REPORT

Event Title:	PER Number:
TF-AOP-015 Entry at 241-AP Farm	N/A
	IHIR Number: IHIR-00016

Date:	Time:	Location:
05/06/2021	1323	241-AP-103 Central Pump Pit

Event Summary and Timeline:

Event Summary:

A Personal Ammonia Monitor alarmed and indicated greater than 6 (six) parts per million ammonia but less than 12 (twelve) parts per million ammonia inside 241-AP Farm AP-103 central pump pit while performing calibrations of the leak detector at the leak detector electrical cabinet. Two (2) Production Operations Electricians were present at the time of Personal Ammonia Monitor alarm. No odors were reported. Medical Surveillance was offered and declined.

Field Response Timeline:

1323 Approximate time of the Event

1346 Central Shift Manager notifies Production Operations Industrial Hygienist of Personal Ammonia Monitor Alarm

1347 Production Operations Industrial Hygienists notify Production Operations Industrial Hygiene Technician Supervisor of Personal Ammonia Monitor Alarm

1348 Production Operations Industrial Hygienists arrive at Central Shift Office

1350 Production Operations Industrial Hygienists receive briefing from Central Shift Manager and Affected Personnel (present in Central Shift Office)

1352 Production Operations Industrial Hygienists check Data Fusion Advisory System (DFAS), powered Smart Site™, for current weather details

- Wind Speed: eight-point-one (8.1) miles per hour
- Wind Direction: two-hundred-forty-two degrees (242°)
- Current Mixing Height and Stability Class Not Available- Latest available 05/06/2021 @ 1100
  - Wind Speed: eight-point-three (8.3) miles per hour
  - Wind Direction: three-hundred-eleven-point-nine degrees (311.9°) (Out of North West)
  - Mixing Height: nine-hundred (900) feet above grade
  - Stability Class: B

1353 SOEN: "Entering TF-AOP-015 Response to Personal Ammonia Monitor Alarm for ToxiRAE alarm in AP Farm. Avoid the area around AP103 tank. CSM"

1353 Production Operations Industrial Hygiene Technician Supervisor arrives at Central Shift Office

1354 Production Operations Industrial Hygienist turns Personal Ammonia Monitors over to Production Operations Industrial Hygiene Technician Supervisor

- ToxiRAE #02636 (event initiating): peak of six (6) parts per million
- ToxiRAE #03732 (present during initiating event): peak of one (1) parts per million
- Request download, post-use bump test, and acquire service dates
- Request Production Operations Shift Industrial Hygiene Technician support

1358 Central Shift Manager offers Affect Personnel Medical Surveillance, both decline

1401 Production Operation Industrial Hygienist contacts Level 2 Industrial Hygiene Manager

- Initiating Industrial Hygiene Investigation Report

1402 Odor/Vapor Response Cards (Odor/Vapor Response Card- 241-AP Farm A-6006-929) submitted for Production Operations Industrial Hygienist review

1403 Production Operations Shift Industrial Hygiene Technicians arrive at Central Shift Office

1404 Production Operations Industrial Hygienist briefs Production Operations Shift Industrial Hygiene Technicians on response actions:

- Monitor in accordance with IHP-09001 "Response to ammonia monitor alarm"
- Respiratory Protection Form TF-AOP-015 Task 4 "Voluntary Upgrade"
  - IF not voluntarily using, then Respiratory Protection Form MDRPF-PLN-173 Task 1

1407 Responding Production Operations Industrial Hygienist and Production Operations Shift Industrial Hygiene Technicians depart Central Shift Office to begin response actions

NOTE: Timeline continued on next page

Event Summary and Timeline:

Field Response Timeline (contd.):

1410 Production Operations Industrial Hygienist and Production Operations Shift Industrial Hygiene Technicians have acquired Respiratory Protective Equipment and are in route to 241-AP Farm Change Trailer
1417 Production Operations Industrial Hygienist and Production Operations Shift Industrial Hygiene Technicians arrive at affected area
1425 Production Operations Industrial Hygienist and Production Operations Shift Industrial Hygiene Technicians are exiting 241-AP Farm
1425 Production Operations Industrial Hygienist and Production Operations Shift Industrial Hygiene Technicians:
- Exited change trailer in route to Industrial Hygiene Technician lab at 272AW to perform Direct Reading Instrumentation Post-Use-Function-Tests
- Ammonia less than detectable (less than one [1] parts per million)

1429 Production Operations Industrial Hygiene Manager arrives at Central Shift Office
1433 Production Operations Industrial Hygienist updates level two (2) Industrial Hygiene Manager on field response actions and results
1442 Production Operations Industrial Hygiene Technician Supervisor arrives at Central Shift Office with affected ToxiRAE information:
- Instrument number TOXI002636
  - Passed post-use-function-test
  - Six (6) parts per million peak reading
  - Service date 08/06/2018
- Instrument number TOXI003732
  - Passed post-use-function-test
  - One (1) parts per million peak
  - Service date 08/19/2019

1449 Production Operations Industrial Hygienist notifies Production Operations Industrial Hygienist that field response Direct Reading Instrumentation has passed post-use-function-test
1452 Production Operations Industrial Hygienist notifies Central Shift Manager that field response Direct Reading Instrumentation has passed post-use-function-test
1458 SOEN: Exiting TF-AOP-015 "Response to Personal Ammonia Monitor Alarm", IHT surveys indicate no readings above background. Access restored to AP Farm. CSM"

Sampling/Monitoring Results:

Field Response monitoring results:
- Ammonia - less than detectable (less than one [1] parts per million)

Hotel Load area monitoring results:
- Ammonia - less than detectable (less than one [1] parts per million)
- Volatile Organic Compounds - less than detectable (less than ten [10] parts per billion)

Hotel Load Stack Monitoring results (at 1255 on 05/06/2021)
- Ammonia - twenty-four (24) parts per million
- Volatile Organic Compounds - two-point-one-nine (2.19) parts per million

SWIHD References:

Field Response Site Wide Industrial Hygiene Data Base survey:
21-05062
Hotel Load Area Monitoring Site Wide Industrial Hygiene Data Base survey:
21-05029
Hotel Load Stack Monitoring Site Wide Industrial Hygiene Data Base survey:
21-05052

Additional Information:

Leak detector instrument calibration was a "dry" calibration in which specific electrical signals are provided to the instrument from the associated electrical cabinet. Calibration was not a "wet functional check" and so no direct access to the pit was performed.

NOTE: Additional information continued on next page.

Additional Information:

Additional information (contd.):

Data Fusion Advisory System Smart Site data from time of initiating event (1315 05/06/2021)

- o Wind Speed: eight-point-three (8.3) miles per hour
- o Wind Direction: Two-hundred-fourty degrees (240°) (Out of West South West)
- o Mixing Height: Thirteen-hundred (1300) feet above grade
- o Stability Class: D

Recommendations/Conclusions:

Recommendations:

- Personnel Ammonia Monitor ToxiRAE 002636 will be taken out of service and will be sent to Industrial Hygiene Equipment Service for repair or disposition.
- Industrial Hygiene Programs Direct Reading Instrumentation Subject Matter Expert will document instrument failure for the purpose of tracking and trending Personnel Ammonia Monitor issues (continuous improvement/lessons learned, Integrated Safety Management

Conclusions:

The Event Initiating Personal Ammonia Monitor (ToxiRAE 002636) continued to operate normally and within specifications (passed bump test) after the initiating event. Event Initiating Personal Ammonia Monitor (ToxiRAE 002636) fluctuated prior to and following the Peak Reading Event recording instantaneous readings of 5 ppm at 1058 05/06/2021, 1327 05/06/2021, and 1321 05/06/2021. RPP-RPT-61096 (Wearable Ammonia Detector Field Trial) stated that false positive concentration readings (positive bias) can be expected up to four (4) parts per million with the ToxiRAE Pro. Therefore, the alarm resultant from instrument malfunction could not be ruled out. Various working conditions have the potential to affect a ToxiRAE while worn in the field; however, it cannot be concluded any of these contributed to the Personal Ammonia Monitor alarm. Based on a review of the Data Fusion and Advisor System (DFAS) application, powered by SmartSite™, atmospheric neutral stability combined with high atmospheric mixing height, indicate there was a very low potential for ground level exposure from Tank Farm Exhausters. Data Fusion and Advisor System modeled exhauster plumes and inferred exhauster plumes extrapolated from Data Fusion Advisory System models for high atmospheric mixing height, did not include the affected area at the time of the initiating event (refer to IHIR-00016 Attachment 1). Additionally, no on-going work around the A-Complex identified during the Industrial Hygiene Event Investigation that may cause the Personal Ammonia Monitor alarm.

Washington River Protection Solutions (WRPS) follows a comprehensive strategy for reducing exposure to workplace hazards as much as reasonably possible with regard to occupational exposure limits (OEL) in the Tank Farms. The term occupational exposure limit is used to represent: (1) the concentration or intensity of an airborne agent that is allowable, (2) the time period over which workplace concentrations are averaged to compare with the allowable exposure, and (3) the allowable concentration of a biological exposure index (BEI) in a biological sample. Occupational exposure limits are considered the maximum concentrations to which a person can be exposed without suffering adverse health effects.

The Occupational Safety and Health Administration has established the Ammonia eight (8) hour time weighted average (TWA) permissible exposure limit (PEL) at fifty (50) parts per million. The American Conference of Governmental Industrial Hygienists (ACGIH) has established the Ammonia eight (8) hour time weighted average (TWA) threshold limit value (TLV) at twenty-five (25) parts per million. The American Conference of Governmental Industrial Hygienists (ACGIH) has also established the Ammonia fifteen (15) minute short-term exposure limit (STEL) threshold limit value (TLV) at thirty-five (35) parts per million. Per the Department of Energy Worker Safety and Health Program (10 CFR 851), Washington River Protection Solutions (WRPS) is to use the lower (more protective) occupational exposure limit.

NOTE: Conclusions continued on next page.

Washington River Protection Solutions

INDUSTRIAL HYGIENE EVENT INVESTIGATION REPORT(Continued)

Recommendations/Conclusions:

Conclusions (contd.)

As control measure to reduce the potential for an unacceptable worker exposure, Washington River Protection Solutions (WRPS) utilizes action levels (AL). If not prescribed by regulation, action levels (AL) are typically established at 50% of the OEL. An action level (AL) is a concentration (when reached) at which a specific action is taken. The Ammonia action level (AL) utilizing direct reading instrumentation is conservatively rounded down for instrument resolution and set at twelve (12) parts per million. Additionally, Washington River Protection Solutions (WRPS) Industrial Hygiene Department has established a conservative, reasonable, and data-derived response level (RL) of six (6) parts per million for Personal Ammonia Monitor concentrations associated with tank waste gases/vapors in the Hanford Tank Farms. The intent of this response level is to enhance the safety of Hanford Tank Farm workers by establishing a conservative and timely indicator of potential changing conditions in Tank Farm gas/vapor conditions, at which prudent and protective investigative measures may be taken.

While the event initiating Personal Ammonia Monitor recorded a peak reading of seven (7) parts per million, and was above the response level (RL), all Personal Ammonia Monitor readings were below the Ammonia action level (AL) and were well below all established occupational exposure limits (OEL). Therefore, Ammonia exposures are well below the workplace concentrations to which a person can be exposed without suffering adverse health effects.

Other:

N/A

Industrial Hygienist:

[redacted]

Print First and Last Name

[redacted]

Digitally signed by [redacted]
Date: 2021.05.18 15:49:38 -07'00'

Signature / Date

Industrial Hygiene Level 2 Manager:

[redacted]

Print First and Last Name

[redacted]

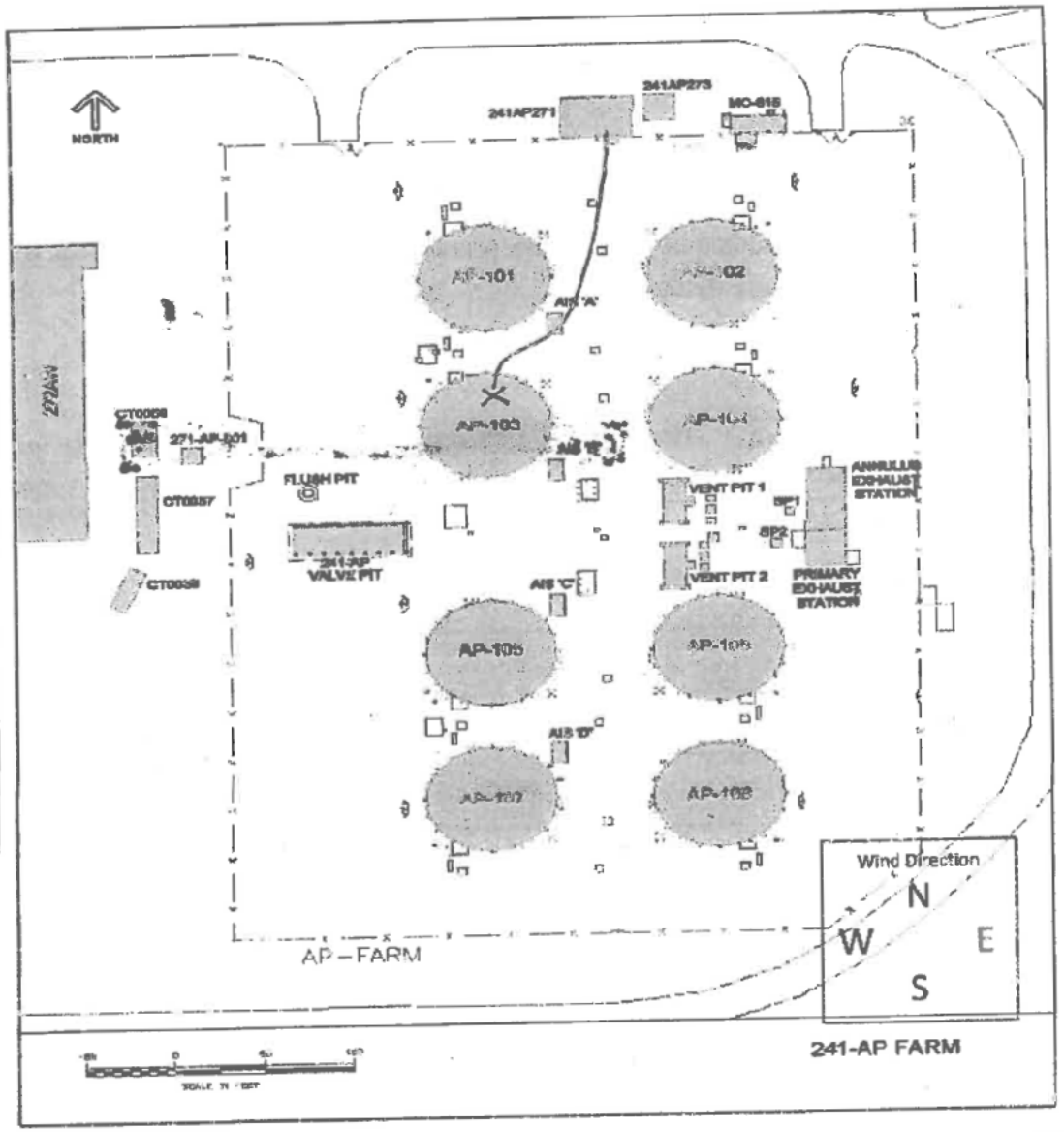
Digitally signed by [redacted]
Date: 2021.05.18 16:04:10 -07'00'

Signature / Date

ODOR/VAPOR RESPONSE CARD - 241-AP FARM

ODOR OR VAPOR ALARM EVENT

1. Notify Immediate Supervisor.
2. Contact Central Shift Manager (CSM), [redacted] complete below bulleted information and map.
   - Your name and the work you were performing
   - Your symptoms *(if any)*
   - Date and time of event
   - Location of event *(mark area on map and the wind direction)*
   - Describe the odor, if applicable
   - Name of others in or near the affected area
   - Was an IHT present?
   - Possible source
3. Complete map.
4. Complete the back of card.
5. **Send this card immediately to the Central Shift Office.**



[redacted]

ODOR/VAPOR RESPONSE CARD - 241-AP FARM

1. Contact CSM, Complete below bulleted information and map.

- Date and time of event: 5/6/2021
- Check Applicable: ☐ Odor ☑ Alarm 6 ppm ☐ Alarm 12 ppm ☐ Alarm Other: _____
- Your name and the work your were performing: [redacted]
- Location of event *(mark area on map and wind direction)*: AP03A
- Name(s) of others in or near the affected area: [redacted]
- Was an IHT present? No
- Describe the Odor: ☐ Sweet ☐ Sour ☐ Musty ☐ Earthy ☐ Metallic ☐ Smoky ☐ Rotten ☐ Onion ☐ Septic ☐ Ammonia ☐ Cleaning Solution ☒ Other: N/A
- Possible Source: N/A
- Your Symptoms *(if any)*: ☐ Headache ☐ Dizziness/Light-Headed ☐ Nausea ☐ Cough ☐ Fatigue/Drowsiness/Weakness ☐ Sore/Burning Throat ☐ Difficulty Breathing ☐ Watery/Irritated Eyes/Trouble with Vision ☐ Tingling/Numbness/Paralysis ☐ Rash/Itching ☒ Other: N/A

2. Send this card to the Central Shift Office.

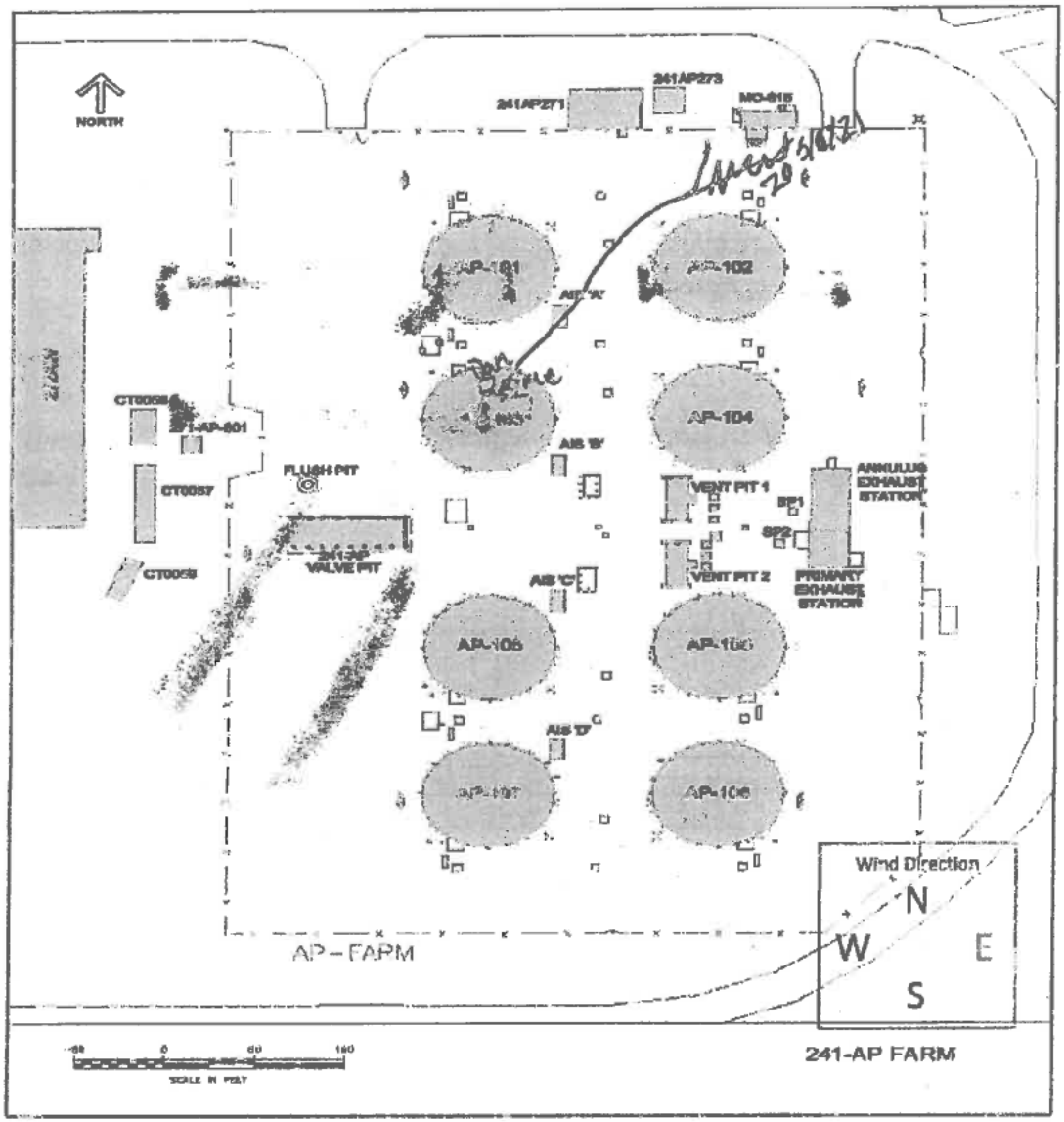
My toxi-Rae didn't alarm.

[redacted]

ODOR/VAPOR RESPONSE CARD - 241-AP FARM

ODOR OR VAPOR ALARM EVENT

1. Notify Immediate Supervisor.
2. Contact Central Shift Manager (CSM), [redacted] complete below bulleted information and map.
   - Your name and the work you were performing
   - Your symptoms *(if any)*
   - Date and time of event
   - Location of event *(mark area on map and the wind direction)*
   - Describe the odor, if applicable
   - Name of others in or near the affected area
   - Was an IHT present?
   - Possible source
3. Complete map.
4. Complete the back of card.
5. **Send this card immediately to the Central Shift Office.**



[redacted]

ODOR/VAPOR RESPONSE CARD - 241-AP FARM

1. Contact CSM, Complete below bulleted information and map.

- Date and time of event: 5/6/21 1:23 pm
- Check Applicable: ☐ Odor ☑ Alarm 6 ppm ☐ Alarm 12 ppm ☐ Alarm Other: _____
- Your name and the work your were performing: [redacted]
- Location of event *(mark area on map and wind direction)*: AP03A
- Name(s) of others in or near the affected area: [redacted]
- Was an IHT present? NO
- Describe the Odor: ☐ Sweet ☐ Sour ☐ Musty ☐ Earthy ☐ Metallic ☐ Smoky ☐ Rotten ☐ Onion ☐ Septic ☐ Ammonia ☐ Cleaning Solution ☑ Other: N/A
- Possible Source: N/A
- Your Symptoms *(if any)*: ☐ Headache ☐ Dizziness/Light-Headed ☐ Nausea ☐ Cough ☐ Fatigue/Drowsiness/Weakness ☐ Sore/Burning Throat ☐ Difficulty Breathing ☐ Watery/Irritated Eyes/Trouble with Vision ☐ Tingling/Numbness/Paralysis ☐ Rash/Itching ☑ Other: N/A

2. <u>Send this card to the Central Shift Office.</u>

[redacted]