

<b>Event Investigation Report #EIR-2020-005: "Investigation of AOP-015 Event East of AX Tent"</b>					
<b>Date:</b> 24JAN2020		<b>Time:</b> 1422	<b>Location:</b> AX Farm – East side of Change Tent		
<b>Number of Workers Involved:</b> [2]		<b>Odor Response Card filled out:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> How many? [2]			
<b>Symptoms:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 1 of 2		<b>Sampling Results #:</b> 20-00967			
<b>Medical Evaluation Offered:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>Medical Evaluation Declined:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>1 of 2</b> <i>Individual without symptoms declined</i>	
<b>Return to Work Status</b>					
Number of workers returned to work without restriction				1	
Number of workers returned to work with restriction				0	
Number of workers referred for further evaluation				0	
<b>Transported to Site Occupational Medical Services (HPMC)</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>Odor Description:</b> Sweet; Metallic; Cleaning Solution; Electrical; Ammonia; Plastic			
<b>MSA Activities:</b> Biological/Herbicide <input type="checkbox"/> Septic Service <input type="checkbox"/> Other: _____		<b>Waste disturbing activities or Tank work in adjacent area:</b> Yes <input checked="" type="checkbox"/> Activity or work released _____ No <input type="checkbox"/>			
<b>Meteorological Data:</b>					
<b>Time:</b>	<b>Weather Station #:</b>	<b>Wind Speed:</b>	<b>Direction:</b> (N/S/E/W)	<b>Temp:</b>	<b>Barometric Pressure</b> (steady/rising/falling):
1415	6	20.9 MPH	From WSW (see <a href="#">Figure 1</a> )	55.2 °F	29.217" Hg Steady
1430	6	25.5 MPH	From WSW	55.6 °F	29.217" Hg Steady
<b>Event Summary &amp; Timeline</b>					
<p>On January 24, 2020, at approximately 1422 hours, two workers performing SCBA bottle support at the east side of the AX Farm Change Tent detected a "sweet" odor. One of the personnel reported a metallic taste in their mouth and was transported to the on-site medical provider (HPMC) via the subcontractor safety representative.</p> <p>At the time of the reported odors, the personnel were not working in an area requiring use of respiratory protection. All workers were instructed to leave the area, and access restrictions were placed pending Industrial Hygiene Technician (IHT) support.</p> <p>IHT support responded, using Industrial Hygiene Sample Plan (IHP-09001) for TF-AOP-015, and took direct reading instrument (DRI) readings, all of which were below background levels. The access restrictions were then down-posted. (See Sample Report #20-00967)</p> <p>The individual taken to HPMC was evaluated and returned to work without restriction.</p> <p>An Event Investigation Meeting was not held.</p>					

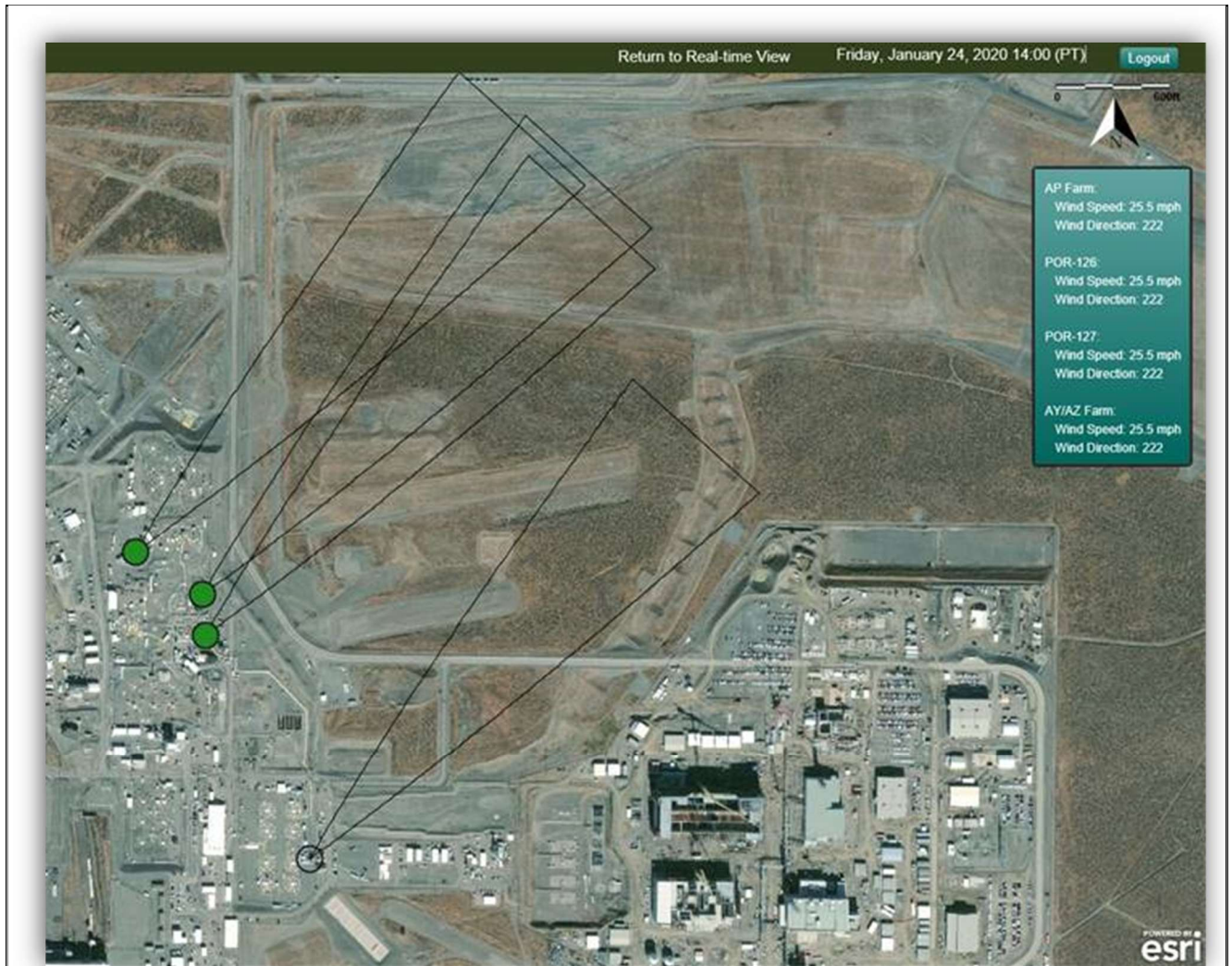


Figure 1: Exhauster Plume Model for 1400hrs on 24JAN2020

**Event Timeline:**

1/24/2020	
1422	Two workers performing SCBA bottle support at the east side of the AX Farm Change Tent detected a 'sweet/strange' odor
<b>Field Response Timeline:</b>	
1432	Shift Operations Event Notification: "Entered TF-AOP-015 for odors reported on the west side of AX Change Tent. Access to the AX Change Tent is restricted. CSM"
1434	Shift Operations Event Notification: "Correction: Entered TF-AOP-015 for odors reported on the EAST side of AX Change Tent. Access to the AX Change Tent is restricted. CSM"
1510	Productions Operations Industrial Hygiene Manager contacts Industrial Hygienist on-call to discuss TF-AOP-015 entry

1515	Production Operations Industrial Hygiene Manager contacts Production Operations Industrial Hygiene Technician Supervisor to discuss TF-AOP-015 entry
1527	Production Operations Industrial Hygiene Manager contacts Central Shift Manager to discuss TF-AOP-015 Entry: <ul style="list-style-type: none"> <li>• One (1) worker experienced "sweet metallic smell"</li> <li>• No intrusive projects ongoing</li> <li>• Initiate response actions in accordance with TF-AOP-015 3.1.12 <ul style="list-style-type: none"> <li>○ IHP-09001</li> <li>○ Ammonia and Volatile Organic Compound area monitoring will be performed in area of concern</li> <li>○ Respiratory Protection Equipment as per RPF TF-AOP-015 Task 2</li> </ul> </li> </ul>
1530	Production Operations Shift Industrial Hygiene Technician reports AreaRAE in 241-AX egress tent recorded during time of event: <ul style="list-style-type: none"> <li>• Volatile Organic Compounds were less than detectable [less than one hundred (100) parts per billion]</li> <li>• Ammonia was less than detectable [less than one (1) part per million]</li> </ul>
1536	Retrieval Closure Industrial Hygiene Manager notifies Production Operations Industrial Hygiene Manager
1538	Production Operations Industrial Hygiene Manager notifies Industrial Hygiene Programs manager that no support is needed for analysis of grab samples
1546	Shift Production Operations Industrial Hygiene Technician reports that no odors were encountered during routine area sweep at 1300
1547	Production Operations Industrial Hygiene Manager briefs Environmental Safety Health and Quality Manager
1624	Production Operations Shift Industrial Hygiene Technician reports field results: <ul style="list-style-type: none"> <li>• Ammonia was less than detectable [less than one (1) part per million]</li> <li>• Volatile Organic Compounds were less than detectable [less than ten (10) parts per billion]</li> <li>• Elemental Mercury was less than detectable [less than twenty (20) nanograms per cubic meter]</li> <li>• Slight "dead animal" odor encountered during follow up sweep without Respiratory Protection Equipment</li> </ul>
1635	Central Shift Manager contacts Production Operations Industrial Hygiene Manager to discuss Industrial Hygiene Technician readings and exit criteria
1640	Production Operations Industrial Hygiene Manager updates briefing to Environmental Safety Health and Quality Manager
1641	Shift Operations Event Notification: "Response actions for the TF-AOP-015 event have been completed and the results are at or below background levels. Exiting TF-AOP-015. CSM."

**Immediate Actions Taken:**

1. Stopped Work
2. Notified CSM
3. Direction given to evacuate the change tent and proceed upwind to 242-A parking lot staging area
4. Access to area was restricted
5. One individual taken to HPMC for evaluation
6. Odor response cards were completed
7. Entered into TF-AOP-015, *Response to Reported Odors or Unexpected Changes to Vapor Conditions*
8. Initiated Industrial Hygiene Sample Plan IHP-09001

**Compensatory Measures:**

No compensatory measures taken.

**Readings from Sampling and/or Monitoring:**

Summary of IH Monitoring and Sampling Data:

- Monitoring: DRI Field Readings
  - VOC: < Detectable Levels
  - NH<sub>3</sub>: < Detectable Levels
  - Hg: < Detectable Levels
- Sampling: N/A

From the Response timeline: at 1624hrs, Production Operations Shift Industrial Hygiene Technician reports field results:

- Ammonia was less than detectable [less than (1) part per million]
- Volatile Organic Compounds was less than detectable [less than (10) parts per billion]
- Elemental Mercury was less than detectable [less than (20) nanograms per cubic meter]
- Slight "dead animal" odor encountered during follow-up sweep without RPE

**Listing of IH Program(s) to Consider:**

None.

**Facility Impact:**

Although AX Farm was evacuated pending IH monitoring, the impact on work within the Farm was minimal at this time.

**Discussion of Potential Source(s):**

The Central Shift Manager verified that the AX Exhauster was running, and that work being performed in AX that day had already been secured. With that, discussions were had with IH on what any potential sources may be. Although Tank Vapor could not be conclusively ruled out, no readily identifiable cause of the odors was determined.

**Recommendations/Factors for Evaluation:**

None.

**Condition(s) Adverse to Quality:**

None.

**Discussion of Positive Aspects of the Event:**

None.

**Personnel Contacted:**


- Robert Campbell; *Industrial Hygiene AOP-015 Reporting SME*
- Kyle Beaulaurier; *Central Shift Manager, C-Shift*
- Mark Ellis; *Central Shift Manager, D-Shift*
- Todd Schmidt; *FWS/PIC*
- Gary Hopkins; *R&C Construction Manager*
- Dan Wolf; *Production Ops Safety & Health Manager [Industrial Hygiene]*
- Russell Grigsby; *Industrial Hygienist*

**Attachments (as they apply):**


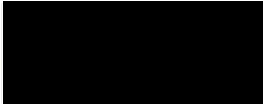

1. TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [5 pages]
2. Odor Response Cards (Redacted) [4 pages]
3. Industrial Hygiene Sample Plan (IHP-09001) for TF-AOP-015
4. Communication Template and Follow-Up Event Summary from TF-AOP-015, as Completed by Central Shift Manager
5. Central Shift Office Log Book Entries

Responsible Manager: _____	/ _____	/ <u>2/20/2020</u>
Print (First and Last)	Signature	Date
Event Investigator: _____	/ _____	/ <u>20 Feb 2020</u>
Print (First and Last)	Signature	Date

**Attachment 1: TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [Page 1 of 5]**

Washington River Protection Solutions		<b>PER Number:</b> WRPS 2020-0132
<b>TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT</b>		<b>EIR Number:</b> EIR-2020-005
<b>Time/Date &amp; Event location:</b> 1400 01/24/2020 East of 241 AX Farm egress tent.		
<p>1. <b>Event Summary</b> (including number of workers involved and activity in progress):</p> <p>At approximately 1400 January 24<sup>th</sup> one worker experienced "sweet metallic smell" outside of 241-AX egress tent.</p> <ul style="list-style-type: none"> <li>Was an IHT Present during initiating event? [ ] Yes [X] No</li> </ul> <p><u>IH Monitoring/ Sample Survey Reports:</u></p> <p>Event response: 20-00967: Odor Response Outside AX Farm AOP-015</p> <p><u>Weather Conditions at Time of Event:</u></p> <p>Ambient outside conditions:</p> <ul style="list-style-type: none"> <li>Weather station: 6 at 1400</li> <li>Wind Direction and Speed: From South West at 21 to 36 Miles per hour</li> <li>Barometric Pressure (steady/rising/falling): 29.24 inches of Mercury and falling</li> <li>Temperature (F°): 56</li> <li>Humidity: 64%</li> </ul> <p><b>Smart Site Summary</b></p> 		

**Attachment 1: TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [Page 2 of 5]**

Washington River Protection Solutions <b>TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT</b>		<b>PER Number:</b> WRPS 2020-0132
<b>Time/Date &amp; Event location:</b> 1400 01/24/2020 East of 241 AX Farm egress tent.		<b>EIR Number:</b> EIR-2020-005
Field Response Timeline: <ul style="list-style-type: none"> <li>1432: Shift Operations Event Notification: "Entered TF-AOP-015 for odors reported on the west side of AX Change Tent. Access to the AX Change Tent is restricted. CSM"</li> <li>1434: Shift Operations Event Notification: "Correction: Entered TF-AOP-015 for odors reported on the EAST side of AX Change Tent. Access to the AX Change Tent is restricted. CSM"</li> <li>1510: Production Operations Industrial Hygiene Manager contacts Industrial Hygienist on-call to discuss TF-AOP-015 entry</li> <li>1515: Production Operations Industrial Hygiene Manager contacts Production Operations Industrial Hygiene Technician Supervisor to discuss TF-AOP-015 entry</li> <li>1577: Production Operations Industrial Hygiene Manager contacts Central Shift Manager to discuss TF-AOP-015 Entry:                         <ul style="list-style-type: none"> <li>• One (1) worker experienced "sweet metallic smell"</li> <li>• No large intrusive projects ongoing</li> <li>• Initiate response actions in accordance with TF-AOP-015 3.1.12                                 <ul style="list-style-type: none"> <li>○ IHP-09001</li> <li>○ Ammonia and Volatile Organic Compound area monitoring will be performed in area of concern</li> <li>○ Respiratory Protection Equipment as per RPF TF-AOP-015 Task 2</li> </ul> </li> </ul> </li> <li>1530: Production Operations Shift Industrial Hygiene Technician reports AreaRAE in 241-AX egress tent recorded during time of event:                         <ul style="list-style-type: none"> <li>• Volatile Organic Compounds was less than detectable [less than one hundred (100) parts per billion]</li> <li>• Ammonia was less than detectable [less than one (1) part per million]</li> </ul> </li> <li>1536: Retrieval Closure Industrial Hygiene Manager notifies Production Operations Industrial Hygiene Manager that a Retrieval Closure Industrial Hygiene Technician Supervisor is on site if needed to support response actions</li> <li>1538: Production Operations Industrial Hygiene Manager notifies Industrial Hygiene Programs manager that no support is needed for analysis of grab samples</li> <li>1545: Shift Production Operations Industrial Hygiene Technician reports that no odors were encountered during routine area sweep at 1300</li> <li>1547: Production Operations Industrial Hygiene Manager briefs Environmental Safety Health and Quality Manager</li> <li>1624: Production Operations Shift Industrial Hygiene Technician reports field results:                         <ul style="list-style-type: none"> <li>• Ammonia was less than detectable [less than one (1) part per million]</li> <li>• Volatile Organic Compounds was less than detectable [less than ten (10) parts per billion]</li> <li>• Elemental Mercury was less than detectable [less than twenty (20) nanograms per cubic meter]</li> <li>• Slight "dead animal" odor encountered during follow up sweep without Respiratory Protection Equipment</li> </ul> </li> <li>1635: Central Shift Manager contacts Production Operations Industrial Hygiene Manager to discuss Industrial Hygiene Technician readings and exit criteria</li> <li>1640: Production Operations Industrial Hygiene Manager updates briefing to Environmental Safety Health and Quality Manager</li> <li>1641: Shift Operations Event Notification: "Response actions for the TF-AOP-015 event have been completed and the results are at or below background levels. Exiting TF-AOP-015. CSM."</li> </ul>		
<b>Field IH Author:</b> 		 1/27/20 20 Date

**Attachment 1: TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [Page 3 of 5]**

Washington River Protection Solutions <b>TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT</b>	<b>PER Number:</b> WRPS 2020-0132
<b>Time/Date &amp; Event location:</b> 1400 01/24/2020 East of 241 AX Farm egress tent.	<b>EIR Number:</b> EIR-2020-005

**2. GCMS Sample Results:**

Bag samples were not requested. HAPSITE GCMS analysis is not available.

**3. Additional Information:**

- Odor Response Cards received:

**ODOR RESPONSE CARD - 241-AX FARM**

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

- Date and time odor was noticed 2:15
- Your name and the work you were performing [REDACTED] bottles
- Location of odors (mark area on map and wind direction) ax tent near the bottle rack
- Name(s) of others in or near the affected area [REDACTED]
- Was an IHT present? yes inside the tent
- Describe the odor:
  - Sweet  Sour  Musty  Earthy  Metallic  Smoky  Rotten  Onion
  - Cleaning Solution  Ammonia  Other: electrical
- Possible Source ?
- 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: haste

2. Send this card to the Central Shift Office.

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**Attachment 1: TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [Page 4 of 5]**

Washington River Protection Solutions <b>TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT</b>	<b>PER Number:</b> WRPS 2020-0132
<b>Time/Date &amp; Event location:</b> 1400 01/24/2020 East of 241 AX Farm egress tent.	<b>EIR Number:</b> EIR-2020-005

**ODOR RESPONSE CARD - 241-AX FARM**

**Odors Detected with NO Immediate symptoms**

1. Notify Immediate Supervisor.
2. Contact Central Shift Manager, [REDACTED]. Provide the bulleted information below.
3. Complete map, return to Central Shift Office as soon as practicable.

**Odors Detected WITH Symptoms**

4. Notify Immediate Supervisor.
5. Contact CSM, [REDACTED], complete below bulleted information and map.
  - Your name and the work you were performing
  - Your symptoms (if any)
  - Date and time odor was noticed
  - Location of odors (mark area on map and the wind direction)
  - Describe the odor
  - Name of other in or near the affected area
  - Was an IHT present?
  - Possible source
6. Provide information on the back of card.
7. Send this card immediately to the Central Shift Office.

241-AX FARM (FEED)

Wind Direction  
 N  
 W      E  
 S

Page 1 of 2

A-6006-936 (REV 1)

Page 4 of 5

A-6005-744 (REV 5)

**Attachment 1: TF-AOP-015 Industrial Hygiene Investigation Report; Event Response #20-00967, "Odor Response Outside AX-Farm AOP-015" [Page 5 of 5]**

Washington River Protection Solutions <b>TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT</b>	<b>PER Number:</b> WRPS 2020-0132									
<b>Time/Date &amp; Event location:</b> 1400 01/24/2020 East of 241 AX Farm egress tent.	<b>EIR Number:</b> EIR-2020-005									
<ul style="list-style-type: none"> <li>• Summary of IH Monitoring and Sampling Data:                             <ul style="list-style-type: none"> <li>a. Monitoring:                                     <p style="margin-left: 40px;">Event response: 20-00967: Odor Response Outside AX Farm AOP-015</p> <p style="margin-left: 40px;">DRI field readings:</p> <table style="margin-left: 80px; border: none;"> <tr><td>VOC:</td><td>&lt;DL</td></tr> <tr><td>NH<sub>3</sub>:</td><td>&lt;DL</td></tr> <tr><td>Hg</td><td>&lt;DL</td></tr> </table> </li> <li>b. Sampling:                                     <p style="margin-left: 40px;">N/A</p> </li> </ul> </li> <li>4. <b>Summary of Employee Reported Information (e.g., symptoms)</b> <p style="margin-left: 40px;">1 worker reported a Sweet Metallic Smell.                                      Worker transported to HPMC for medical evaluation.                                      Worker released to return to work with no restrictions</p> </li> <li>5. <b>Recommendations/Conclusions:</b> <p style="margin-left: 40px;">Identification of Source of the Concern: [ ] Yes [X] No</p> </li> <li>6. <b>Other:</b> <p style="margin-left: 40px;">None</p> </li> </ul> <p style="margin-top: 20px;"><b>S&amp;H Program Management:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;"> <div style="background-color: black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <small>Print First and Last Name</small> </td> <td style="width: 30%; border: none;"> <div style="background-color: black; width: 100%; height: 60px; margin-bottom: 5px;"></div> <small>Phone No.</small> </td> <td style="width: 40%; border: none;"> <div style="text-align: right; margin-top: 20px;"> <span style="font-size: 1.2em; color: blue;">2/5/2020</span>  <small>Date</small> </div> </td> </tr> </table>		VOC:	<DL	NH <sub>3</sub> :	<DL	Hg	<DL	<div style="background-color: black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <small>Print First and Last Name</small>	<div style="background-color: black; width: 100%; height: 60px; margin-bottom: 5px;"></div> <small>Phone No.</small>	<div style="text-align: right; margin-top: 20px;"> <span style="font-size: 1.2em; color: blue;">2/5/2020</span>  <small>Date</small> </div>
VOC:	<DL									
NH <sub>3</sub> :	<DL									
Hg	<DL									
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**Attachment 2: Odor Response Cards (Redacted); [page 2 of 4]**

**ODOR RESPONSE CARD - 241-AX FARM**

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

- Date and time odor was noticed 1-24-2020 14:22
- Your name and the work you were performing [REDACTED] task completed, outside [REDACTED]
- Location of odors (mark area on map and wind direction) See Other Side
- 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  
 Cleaning Solution  Ammonia  Other: sweet, Ammonia plastic
- Possible Source I HAVE NO IDEA ODER I'VE NEVER SMELLED BEFORE
- 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: NONE AT THIS TIME

**2. Send this card to the Central Shift Office.**



**Attachment 2: Odor Response Cards (Redacted); [page 4 of 4]**

**ODOR RESPONSE CARD - 241-AX FARM**

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

- Date and time odor was noticed 2:15
- Your name and the work your were performing [REDACTED] / bottles
- Location of odors (mark area on map and wind direction) ax tent near the bottle rack.
- Name(s) of others in or near the affected area [REDACTED]
- Was an IHT present? yes inside the tent.
- Describe the odor  Sweet  Sour  Musty  Earthy  Metallic  Smoky  Rotten  Onion  
 Cleaning Solution  Ammonia  Other: electrical.
- Possible Source ?
- 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: taste

**2. Send this card to the Central Shift Office.**

**Attachment 3: Industrial Hygiene Sample Plan (IHP-09001) for TF-AOP-015**

<b>INDUSTRIAL HYGIENE SAMPLE PLAN</b>		Contractor: <b>Washington River Protection Solutions</b>	IHSP Number IHP-09001 R6
Exposure Assessment: <input checked="" type="checkbox"/>	Job Specific: <input type="checkbox"/>		
<b>Brief Job Description and Type of Area:</b> TF-AOP-015; This sample plan will be implemented at the direction of the shift manager for IHT field response to odor event. Continuous IHT coverage is required during evolution of event			
<b>INSTRUCTIONS</b> <p><u>Action Limit (Direct reading instrument results)</u></p> <p>Ammonia: 12 ppm VOCs: 2 ppm</p> <p><u>Monitoring</u></p> <ul style="list-style-type: none"> <li>• Source: Possible odor source if noticeable increase in intensity</li> <li>• Area: General area where employees identified the odor and,</li> <li>• Personal: N/A</li> </ul> <p><u>Sampling</u></p> <p>Bag sampling is conducted at the direction of the industrial hygienist, collect a minimum volume of 20L in grab air samples with polypropylene (or equivalent) bags:</p> <ul style="list-style-type: none"> <li>• Source: If possible odor source if noticeable increase in intensity</li> <li>• Area: General area where employees identified the odor</li> <li>• Personal: Personal sampling will not be conducted as an immediate response action unless directed by the responsible <u>IH</u>.</li> </ul> <p>Process the grab air samples using the Hapsite, Miran and Lumex.</p> <p><b>MONITORING</b></p> <ul style="list-style-type: none"> <li>• Area monitoring will be performed for ammonia and VOCs.</li> <li>• General area where employees identified the odor and,</li> <li>• Possible odor source if noticeable increase in intensity or positive reading</li> </ul> <p>If odor source is readily apparent, e.g. vehicle exhaust, septic systems, animal odors, discontinue monitoring and inform shift office that source has been identified.</p> <p><u>Pre-Job Briefing Information N/A</u></p> <p><u>Other</u></p> <ul style="list-style-type: none"> <li>• IHT to monitor their way in, moving from an upwind location if possible.</li> <li>• If conducted, a minimum volume of 20L in grab air samples with polypropylene (or equivalent) bags:</li> <li>• If collected, deliver grab air sample(s) to IHLab at 2704-HV for Hapsite analysis.</li> <li>• If grab samples are collected: Ensure ammonia and VOC levels are denoted on the polypropylene bag(s) when air samples are delivered to the IHLab at 2704-HV for Hapsite analysis.</li> <li>• Sample plan may be modified per written direction from the project IH in accordance with field deviation guidelines of TFC-ESHQ-S_IH-C-48.</li> <li>• Record comments in field log. Transfer comments from field log to SWIHD Comments field. Provide copy of field notes to project IH.</li> <li>• Additional direction for access control may be provided by the Shift Manager based upon monitoring and sampling results</li> <li>• A EZ may be established or farm access restricted if air monitoring levels reach and remain above an action level.</li> </ul>			
Did IHT Lead Review? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		If Yes, Lead IHT INITIAL <b>SB</b>	& DATE: <b>10-4-2018</b>
IH Author	Print Sign: [Redacted]	Phone: [Redacted]	Date: 10/4/2018
N/A [ ] IH Peer Review	Print Sign: [Redacted]	Phone: [Redacted]	Date: 10/4/2018
N/A [ ] IH Mgmt.	Print Sign: [Redacted]	Phone: [Redacted]	Date: 10/4/2018

**Attachment 4:****Communication Template and Follow-Up Event Summary from TF-AOP-015, as Completed by Central Shift Manager****Response to Reported Odors or Unexpected Changes to Vapor Conditions****Attachment 2 - Communication Template**

One Hanford workers were taken to HPMC after reporting odors East of AX Farm Change Trailer. One workers reported symptoms, two workers reported the odor.

The employees were providing SCBA bottle support outside of the change trailer were not in an area that requires use of respiratory protection.

Workers were instructed to leave the area, and access to the area has been restricted.

NOTE - This communication template is to be completed as soon as enough information is available.

Central Shift Manager: \_\_\_\_\_ / \_\_\_\_\_ / 1/24/20  
Signature Print (First & Last) Date

**Response to Reported Odors or Unexpected Changes to Vapor Conditions****Attachment 3 - Follow-Up Event Summary**

The following is example of detail to provide in the electronic form of Follow-Up Event Summary.

TF-AOP-015 Initial Report		
Date: 1/24/2020	Time: 1422 hours	Location: AX Farm
Number of Workers Involved: 2	Sampling Results #: 20-00967	
Event Summary		
At approximately 1422 hours 2 workers detected a "sweet, strange" odor on the east side of AX Change Tent while providing SCBA bottle support. One worker reported a metallic taste in their mouth and was transported to HPMC via sub-contractor Safety Rep.		
At the time odors were reported, the individuals were not working in an area requiring use of respiratory protection. All workers were instructed to leave the area. Access to the area was restricted.		
IHTs responded to the area and took DRI readings. DRI instrument readings were below background levels, allowing the restricted area to be down posted.		
The worker taken to HPMC was evaluated and released to return to work with no restriction.		
An event investigation has been initiated.		
Return to Work Status		
Number of workers returned to work without restriction	1	
Number of workers returned to work with restriction	0	
Number of workers referred for further evaluation	0	
NOTE - Form is to be completed once event is stabilized and all details are known. - To learn more about chemical exposure evaluations see <a href="http://hanfordvapors.com/wp-content/uploads/2016/09/2a-HPMC-procedure.pdf">http://hanfordvapors.com/wp-content/uploads/2016/09/2a-HPMC-procedure.pdf</a>		
Central Shift Manager: _____ / _____ / <u>1/24/20</u> Signature Print (First & Last) Date		

**Attachment 5: Central Shift Office Log Book Entries**

<b>Date</b>	<b>Time</b>	<b>Logbook Entry</b>
1/24/20	1545	Entered TF-AOP-015, Response to Reported Odors or Unexpected Changes in Vapor Conditions. Entered TF AOP-015 for Odors w/ symptom on east side of AX Change Tent.
1/24/20	1553	IHTs dispatched to implement Tank Waste Odor Sample Plan IHP-09001, per TF-AOP-015. NCOs dispatched to secure area east of AX Change Tent
1/24/20	1554	[Redacted] was evaluated at HPMC and released without restriction
1/24/20	1558	Notified [on-call Fac-Rep] that [redacted] was released w/o restriction
1/24/20	1614	AOP-015 Attachment 2 has been sent
1/24/20	1628	IHT [redacted] reports sampling complete; no readings above background, and instruments have been posted as good.
1/24/20	1640	Closing TF-AOP-015. Response actions for the TF-AOP-015 event have been completed and the results are at or below background levels. Exiting AOP-015. SOEN sent. Radio announcement made, and FR [on-call] notified via voicemail.