# **Event Investigation Report** EIR-2017-013 "Investigation of SX Change Trailer AOP-015 Event" WRPS-PER-2017-0582



Event Investigation Team Lead Under Instruction

Event Investigation Team Lead

<u>4/25/17</u> Date <u>4/25/17</u> Date <u>4/25/17</u> Date

**Responsible Manager** 

#### Investigation Summary

At 0929 on March 30, 2017 the Central Shift Office (CSO) received notification that three Health Physics Technicians (HPT's) reported smelling strong odors in the SX-Farm Change Trailer, MO-298. The CSO initiated an AOP-15 event and sent notifications via the Shift Office Event Notification system (SOEN).



Aerial view of MO-298 in West Area

At approximately 0845 three HPTs were performing routine surveys at MO-298, SX-Farm change trailer. Two of the three HPTs were performing monthly routines surveying the inside of MO-298 and the third HPT present was performing weekly routines, surveying the perimeter of MO-298 and the two laundry trailers located just in front of MO-298. The HPTs surveying the inside of MO-298 entered the building around 0900 and noticed a strong odor most similar to a propane gas like smell. The HPTs called the third HPT to check if they also thought the odor was strange. All three HPTs verified that the odor was isolated to the inside of MO-298. The odor was described as being too strong to get dressed inside the trailer.

The HPT's immediately halted their jobs and began making notifications to ST Area Day Shift Management, direct line supervisors and operators at approximately 0904. The HPTs were offered Occupational Medical Service (HPMC) evaluations by management and all three declined. The operators contacted responded immediately, arriving at about 0910 and posting red danger tape across both entrances into MO-298. At approximately 0950 the HPTs filled out Odor Response Cards (see Attachment 1). Event Investigation Report (EIR)-2017-013 was initiated at 1318 by CSO. At 1510, notification was sent by the responding Industrial Hygienist Technicians (IHTs) affirming that direct reading instrument (DRI) and hazardous air pollutants on site (HAPSITE) sampling resulted in no contaminants above Action Levels at MO-298. At approximately 1521 CSO confirmed exit of AOP-15 and access restored to MO-298.

End of Summary

No Fact Finding Meeting was held for this event.

#### **Weather Information**

Time	Temp	%RH	Pressure	Wind (mph)
0900	49	48	29.23	W @ 12 gust 24
1000	52	41	29.24	WNW @ 16 gust 27
1100	55	38	29.26	NW @ 17 gust 30

#### **Event Timeline**

3/30/17

- 0845: HPTs arrive on job site to perform routine surveys
- 0900: Two HPTs surveying MO-298 notice odor and ask third HPT to verify odor
- 0904: Notifications of strong odors made to management and operators. HPMC evaluations declined
- ~0910: Operators arrive and post red danger tape across both entrances into MO-298
  - 0929: Enter AOP-015 initiated by CSO
  - 0950: HPTs fill-out odor response cards
  - 1029: IH perform official sampling
  - 1318: EIR-2017-013 Initiated by CSO
  - 1510: Notification sent by IH confirming DRI and HAPSITE sampling resulted in MO-298 showing no contaminants above Action Levels
  - 1521: Exit of AOP-15 and access restored to MO-298

#### Preliminary Extent of Condition Review

This AOP-15 entry was specific to MO-298, SX-Farm change trailer and occurred outside of Tank Farm boundaries. Given the potential source and associated potential causes, the preliminary extent of condition is bound to the immediate area.

#### **Discussion of Potential Causes**

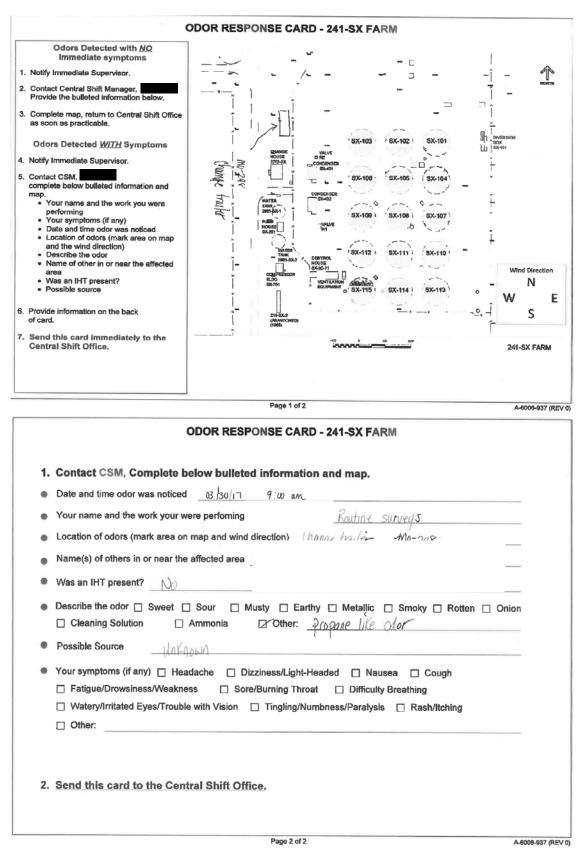
- 1. No potential causes identified however, MO-298 will need to be inspected for potential vermin infestation, specifically through entrance in the skirting.
- 2. The HVAC system in MO-298 is out of service, causing the condition for stagnant air to be present and potentially adding to odor.
- 3. Reviewed release work activities for ST Area confirmed that no work was being performed that could cause odor.

#### **Recommendations/Proposed Corrective Actions**

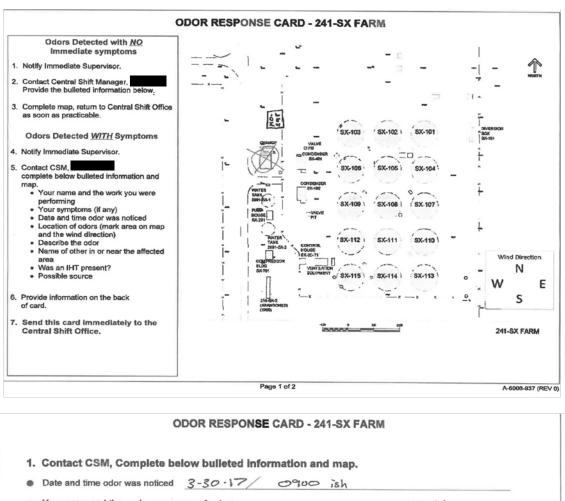
1. Conduct Industrial Health (IH) sampling of confined space area under MO-298.

#### **Attachments:**

- 1. Odor Response Cards, pages 4-7
- 2. Central Shift Office Log Book Entry AOP-15, page 8
- 3. Central Shift Office Log Book Exit AOP-15, page 9
- 4. WRPS-PER-2017-0582: SX Change Trailer AOP-015 Event, pages 10-12
- 5. Production Operations Release Sheet, page 13
- 6. Industrial Health Investigation Report, pages 14 -18

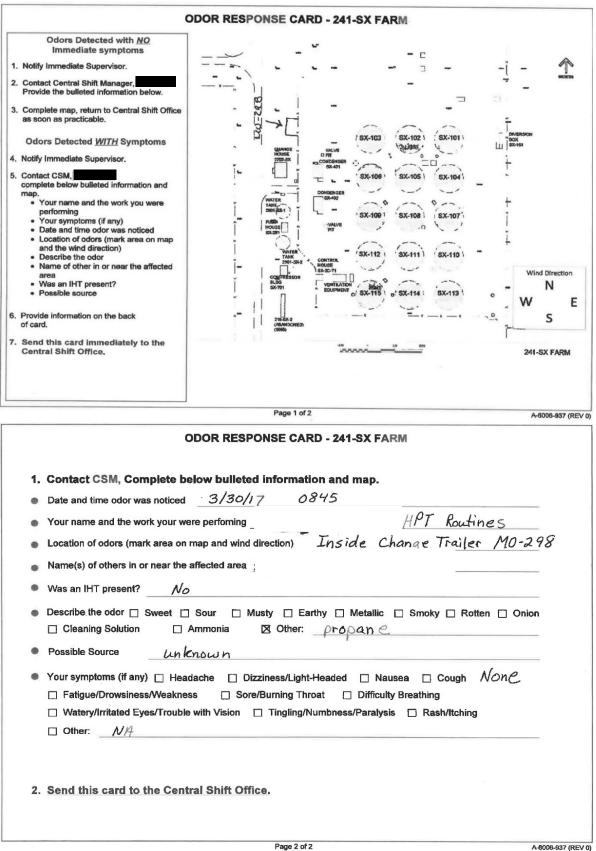


#### Attachment 1 - Odor Response Cards - 1 of 3



#### Attachment 1 - Odor Response Cards – 2 of 3

	Date and time odor was noticed 3-30-17/ 0900 ish
,	Your name and the work your were performing
	Location of odors (mark area on map and wind direction) inside change tracter only 10-298
•	Name(s) of others in or near the affected area
)	Was an IHT present?
	Describe the odor  Sweet  Sour  Musty  Earthy  Metallic  Smoky  Rotten  Onion Cleaning Solution  Ammonia  Ch_Other: Similiar to proper 4
•	Possible Source UN Known
•	Your symptoms (if any) Headache Dizziness/Light-Headed Nausea Cough Fatigue/DrowsIness/Weakness Sore/Burning Throat Difficulty Breathing Watery/Irritated Eyes/Trouble with Vision Tinglinġ/Numbness/Paralysis Rash/Itching Other:
-	Send this card to the Central Shift Office.



#### Attachment 1 - Odor Response Cards – 3 of 3

290	3/39/17 A-Shift	
	and a second a second	it his electro
	despriced an electrical box with	the set of
	exposed wring socural area,	and acarer to
	al a wing socured area	Conformed re
	chack wice fed (disamo	) whise reft
	by 277 A next to concex on s	20stside
	(Arco bldg). An 8 pt enterio	LOTO Las
	been installed for relamping :	Artw ATTA
	Lizzonia aft of neway zatolazi	
_	10929 Entered ADP-015 Jor SK-Farm C	house tele
	3 HOT'S	
	the the estimate	underer
	to Smath Bonetto, End any or	No 1 . 1. O
	Henry John of the day	ick declined.
	Here Job woofferentines stat	or surveys.
	In and not requiring SCBAQ	nelts.
	Cloundaren a secured tit	
	1933 - Diclared a Group 2 Subgroup	E 522 (6) 30
	for anexpected discovery of a	1 all at ward and a
	electrical hampedous ever gy sa	photo in
	277A exildady". Referita.	Quite
	0830.	1
	1024 - Declared a Group 10(2) SCH	* mono
	concorrego ">0>5 E (ETF) for LO	- and game
	expectations" Loro installed	10 not meetro
	issociation in the international	00.45B on
	1050/ 40+ 3 afete wink abeaks w	are amplited y
	however management has de	stormined
	that it does not meetrexpectation	gdtfe 2
	TAF for completeness of sofe a	andition
	check information for location.	2894
	1036- E-try@ 1023 2-1024 Notilies	QUEFR
	Vanesser Turner Ear	
trance -	137-New Red Arrow. Diter presenter	
	msA confo combination cartree	we the use of
	date radas la "2"	iges with
	date codes from "35110" through	401.
	199- Entry PIIST Notified	SOF

# Attachment 2 – Central Shift Office Log Book Entry AOP-15

Attachment 3 – Central Shift Office	e Log Book Exit AOP-15
-------------------------------------	------------------------

Employee was released to work who
restrictions. P.O. HPT.
1229- Notified by that (NCO)
was take to HEME for exclusion and eaced to work
without rostrictions. Employee falt a discomfort
while doing routines in HY-Farm w/SCOADE 25000
in Right knee on 3/39 /17 @ 0900.
1313-Entry 1229 Netified DOFFRI
Cosempt LV17
9 SDEN Sent:
1317-Entry @ 1205 Employee did not poto
HBITZ for enduation
1318-Initiated Event Investigation (EIR-2017-013)
"SX change trailer ADROIS event".
w (IV)
1329- Entry @1318 Not. fred DOE-FR
+ SOEN' sent.
1331-1HT completed Flammathe Gas Surveillances on
AT ME Farm DET all readings Of LFL:
1333- Entered LEO 3.1. Aon 754/15@ 0845 hours for
ATAZ Forms I-Service VTP inoperable
LEO3.1.A. J. I due NET. 40217 @ DELS MOURS.
Leo3.1. A. 2.3 Jule 1014/17(PO-RP-17-01)
LE03.1.H. 2.3 due 4/0/7 (PO-RP.17.03)
1407 The use of "pressure sources" for calibrations on
wet systems require the use of an approved
water trap in line to prevent contamination and
or equipment damage; unless being used by a
procedure instruction that prevents water intrusion
(i.e. value, solating pressure source "from system
while pressuringed to prevent vacuum).
1429-E-try@1407 DEER sotefinde
SOEN sent
1521 Exiting ADP-015 for SX-tom chargetole all readings iden notentaris.

### Attachment 4-WRPS-PER-2017-0582: SX Change Trailer AOP-15 Event

PER

Page 1 of 3

#### Problem Evaluation Request (PER)

	Save
WRPS-PER-2017	-0582
In Proce	ss/Work

PER No	Date of Discovery	Time of Discovery (24:00)	Project		
WRPS-PER-2017-0582	03/30/2017	09:00	RadCon		
Location					
SX Farm					
How Was Problem Discovere	d				
Surveillance: Other					
Description of Concern or Pro	oblem				
HPTs (3) detected the odor of "p radiation and contamination sur		41-SX change trailer to prepare to e farm.	perform the routine		
<b>Requirement Not Satisfied</b>		Source Document Number			
Equipment Identification Nu	mber	System Identification			
		Not Applicable			
Does issue require immediat	e actions?	1			
No					
Immediate actions Taken or	Planned				
	e to the RadCon FLM and the try into AOP-015 and restrict				
Recommended Corrective Actions					
All required actions were taken.	No further actions required.	Recommend this PER be tracked a	s a Trend Only.		
Originator Contact					
No					
Originators Name	Originators ID	Originators Phone	Date Initiated		
			03/30/2017		
	SHIFT OPER	ATIONS REVIEW			
Title					
SX Change Trailer AOP-015 Eve	nt				
Reportability	SSC Operability	<b>Operability Review</b>	Comp Measures Req		
Non-Reportable	N/A	N/A			
Describe actions Taken or Re	commended				
Completed actions per TF-AOP-0	015. No additional actions tak	ken or recommended by the POCS	э.		
SO Reviewer Name	SO Reviewer ID	SO Reviewer Phone	SO Review Date		
			03/30/2017		
		EENING			
PER Significance Level	Analysis Level		How Discovered		
PER with Resolution	Not Applicable		3 Self-Revealing		
Ind Assessment Rev	Occurrence Rpt #	DOE CAP Required?			
		No			
Assigned Responsible Manager	Facilities Rep / SSO	Safety Mgmt Rep	Potentially Recurring Issue		

# Attachment 4-WRPS-PER-2017-0582: SX Change Trailer AOP-15 Event

#### PER

Page 2 of 3

			No	
Program		Requirements Area Manager (RAM)		
• ^N/A^		IH230A - Industrial Hygiene / Odor/Vapor / AOP-15     115 Odor Event		
PER Screening Comments				
4-3-17 PER with Resolution to	EIR-2017-013			
ORPS Code	Functional Area	Work Process	ISMS	
Not Applicable	Operations	Operator Rounds		
PER Screening Chair	PER Screening Chair ID	PER Screening Chair Phone	PER Screening Date	
	H0054042	(509) 373-6756	04/03/2017	
	PAAA F	REVIEW		
PAAA Screening	PAAA Codes	Function Codes		
Not subject to PAAA				
PAAA Cause Analysis Review	NTS Report Number	NTS Report Date		
No				
PAAA Screening Comments				
<ol> <li>Basis for PAAA screening is in</li> <li>Approval per procedure TFC-ES</li> </ol>			-compliance.	
PAAA Reviewer Name	PAAA Review Date			
	04/03/2017			
PAAA Approver Name	PAAA Approve Date			
	04/03/2017			
	CAUSE A	NALYSIS		
Cause Analyst				
Problem Statement				
Compensatory Actions				
Cause Analysis				
Causes				
Extent of Condition				
HPI Error Precursors				
Task Demands	Work Environment	Individual Capabilities	Natural Tendencies/ Human Nature	
Has the evaluation of this PER determination of operability o		ormation that could affect the	Central Shift Office (CSO)	
No	wyn .∎ Yntheinen thin o the €22			
Comments				
Submitter Name	Submitter ID	Submitter Phone	Initial Submit Date	
	CAUSE	CODES		

# Attachment 4-WRPS-PER-2017-0582: SX Change Trailer AOP-15 Event

### PER

Page 3 of 3

		ATTACHMENTS
Link to PER		
PAAA_Screen_ 4-03-17.pd	f	
11111 - 17 <sup>0000</sup> - Leanne 17770 - 1700		AUDIT HISTORY
Change Date	Auditor	Comments
03/30/2017 14:13		Initiator Tab initial submission.
03/30/2017 14:38		SO Tab initial submission.
04/03/2017 14:11		Screening Tab initial submission.
04/03/2017 14:36		PAAA Tab initial submission.
04/04/2017 10:30		'Assigned Responsible Manager Task Instructions' were changed.
04/04/2017 10:30		Responsible Manager Task Launched by

-- End of Report --04/06/2017 09:35 AM

# Attachment 5 - Production Operations Release Sheet

		SXISTISITITXI	PRODUCTI	ON OPERATIO	ONS RELEASE SHEET		Thursday,		
Shift Area Maln Worl	Manager: Manager: tonance Ma k-Week Man	mager: ager:				1. No Package 2. See Briff Office 3. Lock 5 Tag 4. Will Valls-In For Ratesse 5. Potential Low-Threshold Vapor Odor 6. SW17 Review Registred	Washington Rive All activities and directives Environmental and Safety / prioritized by utilization of 0	to meet PBis,	TSR,
Lino	Paolity	EAM	Acently	Supervisor	POD Comments	Release Authority Comments	Tag Out R		Fac Rel
1	MULT	292528	200 West Area Quarterly Portable tool inspection (2 qtr)				N	A	
2	Mult	289080	Repetitive Circuit Verification 200 West Area				7	4	Τ
3	MULT	290941	200 West Area Monthly Ernerg Light Inspections March				N	1A	6
4	MULT	291376	200 West Tank Farm Monthly GFCI Checks March				N	10	T
5	U	161063	Walkdown for Arc Flash Cal/LOTO - 241-U, 271 MCC MAINTENANCE					-	1
6	6241	161288	6241-A(SB-1) ELECTRICAL SWITCH BOARD INSPECTION				150-17-	001	Ť
7	Shop	Level 4	Prep (6) Be Sample Pumps for U203 ENRAF Replacement Scheduled OT on Friday					_	
8	U	219319	Mobilization equipment to support pumping at UX302A and SY off load			E		_	
9	U	Level 4	Install Cattleguard for UX302A			2	}		
10	U	277503	Prep for 203-U ENRAF Replacement				NI	4	1
11	MULT	203780	Required West Area Liquid Level Readings				N	Ą	1
	<u> </u>							-	
								-	
	and an and		the second distance in the second distance is a second distance is a second distance in the second distance is a second distance is a second distance in the second distance is a second distance in the second distance is a se			the second se			

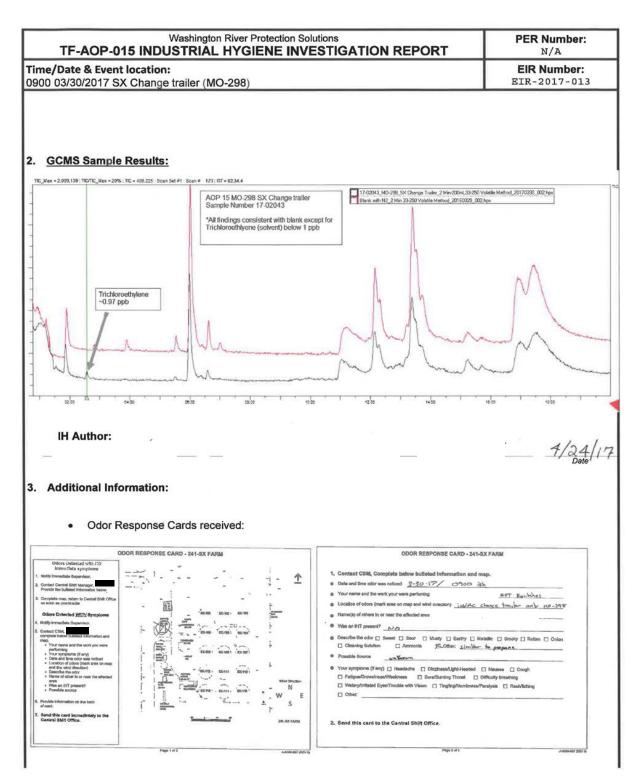
# Attachment 6 - Industrial Health Investigation Report, Page 1 of 5

	Washington River Protection Sc TF-AOP-015 INDUSTRIAL HYGIENE INV		PER Number: N/A
	e/Date & Event location: 0 03/30/2017 SX Change trailer (MO-298)		EIR Number: BIR-2017-013
1.	Event Summary (including number of workers invol-	ved and activity in prograss);	
	At approximately 0900 on Thursday the 30 <sup>th</sup> of Mar normal <sup>®</sup> and "propane-like" odor upon initial entry in involved did not experience symptoms. All employs site medical provider.	nto the 241-SX Change Trailer (MO-	-298), All personnel
	Was an IHT Present during Initiating event? [	] Yes [X] No	
	IH Monitoring/ Sample Survey Reports:		
	17-02043 "AOP-015: MO-298/SX Cha	ange Trailer"	
	Weather Conditions at Time of Event:		
	Weather station:	19	
	<ul> <li>Wind Direction and Speed:</li> </ul>	294º &16mph	
	<ul> <li>Barometric Pressure (steady/rising/falling):</li> </ul>	29.227 "Hg and rising slightly	
	Temperature (F°):     Humidity:	51.8°F Unknown	
	Field Response Timeline:		
	0915 AN Team IH arrives at CSO on other busin	ness, is notified of potential odor res	ponse by CSM
	0919 AN Team IH contacts EV Team IH for ass		
	0920 AN Team IH contacts Shift IHT Supervisor		
	0921 EV Team IH arrives at CSO and is briefed		
	<ul> <li>3 HPTs from rounds and routines grou Change trailer</li> </ul>		d odors in the SX
	<ul> <li>Odor is "Indescribable"</li> <li>No symptoms, precautionary medical</li> </ul>	evaluation was offered and all affec	ted personnel declined.
	0925 CSO makes decision to enter AOP-015 as 0926 AN Team IH notifies ST Team IH of AOP-0	entry criteria is met 015 entry and provides briefing	
	<ul> <li>Shift IHTs are going to be in route sho</li> <li>Please provide support at SX Change</li> </ul>	rtiy	In seasons that us as
	occur due to new information acquired	trailer location to facilitate changes	in response that may
	0929 SOEN: "Entering AOP-015 for SX Change 0930 Shift IHTs arrive at CSO and are briefed or	n response actions:	
	<ul> <li>Acquire SCBA as per RPF TF-AOP-0"</li> <li>Co-ordinate with ST Team IH who is a</li> </ul>	15 Task 1	
	<ul> <li>Monitor into SX Change Trailer with M</li> </ul>		
	<ul> <li>Acquire a minimum of 2 grab samples</li> </ul>	from Interior of SX Change Trailer	
	<ul> <li>Analyze grab samples with MIRAN Sa</li> </ul>	pphiRe for N2O	
	0932 Projects IH accompanied with 3rd party rev 0935 PO IHT Lead warms up instruments and co prepared to provide analysis of pending gr	ontacts Programs IHT Lead to ensu	i on all of the above re HAPSITE is
	0937 AN Team IH Contacts Hanford Weather St	absamples	
	0939 AN Team IH contacts PO IH Manager via r	phone and provides briefing	
	0940 HAMTC Safety is briefed	· · · · · · · · · · · · · · · · · · ·	
	0943 PO Shift IHT notifies CSM that no masks o available at the issuing station	f the size required by one of the PO	Shift IHTs are
	0944 AN Team IH contacts PO Shift IHT Superv fit whatever RPE the issuing station has ca	isor to request additional IHTs so that be found to provide response sur	at someone who can

# Attachment 6 - Official Industrial Health Investigation Report, Page 2 of 5

0 03/30/2017 SX Change trailer (MO-298) 0946 EV Team IH goes to issuing station and provides coaching so that "emergen	EIR Number:
0946 EV Team IH goes to issuing station and provides coaching so that "emergen	
0946 EV Team IH goes to issuing station and provides coaching so that "emergen	EIR-2017-013
he bened to it. Bo out it is a second of the benedicting of the officing the	cy response" RPF can
be issued to the PO Shift IHTs.	oy reaponed in a con
0947 AN Team IH contacts PO Shift IHT Supervisor to call off additional resources	8
0955 ESHQ Manager arrives at CSO and is briefed	
0958 AYAZ Team IH arrives at CSO and is briefed	
0959 Odor Response Card arrives at CSO	
Odor is similar to Propans	
1000 Case Manager contacts CSO 1005 AN Team IH Contacts AOP-015 Programs SME and forwards odor response	and
1006 EV Team IH contacts XOP-019 Programs SME and forwards odor response	Caro
<ul> <li>Propane odor was known to be present about a week ago</li> </ul>	
<ul> <li>Thought was dead animal related odor</li> </ul>	
<ul> <li>IHTs are prepped and ready to enter SX Change Trailer</li> </ul>	
1015 2 additional Odor Response Cards arrive at the CSO. All described odors co	nsistent with "propans-
like"	inanania iniari proporto
1016 IH Programs SME is updated with additional Odor Response Cards	
1019 ST team supervisor contacts CSO and informs communications specialist of	appropriate supervisor
contact to determine more information	
1022 Production Operations Manager arrives at CSO and is briefed	
<ul> <li>1029 ST Team IH updates AN Team IH:</li> <li>Grab samples have been acquired and are in route to 2704 HV for HAP</li> </ul>	
<ul> <li>NH3: 0 ppm (<lod)< li=""> </lod)<></li></ul>	
<ul> <li>VOC: 0.000 ppm (<lod)< li=""> </lod)<></li></ul>	
1033 Communication specialist briefs CSM, AN Team IH, and EV Team IH:	
<ul> <li>Odors were detected upon initial entry to MO-298 (before attempting to a</li> </ul>	anter 241-SX Farm to do
work), set instruments down, propped door open to ventilate, then called	Area Davshift Manager
<ul> <li>Area Dayshift Manager dispatched IH to 241-SX area</li> </ul>	a
<ul> <li>HPTs called direct supervisor who offered voluntary precautionary media</li> </ul>	al evaluation at on-site
medical provider. 2 HPTs declined, 1 was transported to 200W HPMC d	inic for evaluation.
<ul> <li>Evaluated employee was released to return to work without restriction</li> </ul>	
1053 AN Team IH updates the Programs SME with all available information	
1056 PO Shift IHT contacts AN Team IH and notifies that grab samples are deliver HAPSITE analysis	ed to 2704HV for
1058 WPRS General Communication: "Odors reported near SX Farm - 3/30/17"	
1243 CSM notifies AN Team IH that report of HPT voluntarily visiting the on-site oc	runational medical
provider is false and that all 3 HPTs who experienced odors have declined p	acautionary medical
evaluation at this time.	
1251 AN Team IH notifies Programs SME that information regarding on-site medic	al provider visit is false
1319 Programs SME contacts AN Team IH to ask "were bag samples were taken?	
1526 SOEN: "Exiting AOP-015 for SX Change Trailer, all readings below action lev CSM"	els, Access is restored.
COM	
IH Author:	
Print Pint and Last Name Phone No.	04/20/2017 Date
	L/BBD

#### Attachment 6 - Official Industrial Health Investigation Report, Page 3 of 5



# Attachment 6 - Official Industrial Health Investigation Report, Page 4 of 5

ne/Date & Event location:	ESTIGATION REPORT N/A		
00 03/30/2017 SX Change trailer (MO-298)	EIR Number: EIR-2017-013		
ODOR RESPONSE CARD - 241-5X FARM	ODOR RESPONSE CARD - 241-5X FARM		
Odeve Delestad with NO Instructiate aymptoms			
sty Immediate Bosoniacy.	Contact CSM, Complete below bulleted information and map.     Date and time oder was noticed at <u>Splight</u> f.w. ave.		
amplets map, wetann to Central Statt Office	Your name and the work your were performing     Couldress Sciences		
scon as predicable.	Location of odors (mark area on map and wind direction) (10/0+ 10/0+		
Alters Detected M87H Symptoms	Nemo(a) of others in or near the affected area		
dry tennestes Bapander.	<ul> <li>Was an BrT present? N2</li> </ul>		
represe below bulleted information and	Oescribe the oder      Sweet      Sour      Nusty      Earthy      Metallic      Smoky      Rotten      Onion		
Description     Descripti	Cleaning Solution C Ammonia 2 Other: Play Jac Jule Dar		
Date and three other was noticed  Location of oders (pract areas on mag, and the whole (function)	Possible Source		
All the ward determines	Your symptoms (if any)  Headache  Dizziwaa/Lighl-Headed  Neurae  Cough Fa5gue/Drowsiness/Weakness  Sore/Bambrg Throat  Olificulty Breathing		
• Wes an INT present? - N	Watery/Inflated Eyes/Trouble with Vision Tingling/Numbrasa/Paratysa Rash/Itohing		
volte information on the black	[] Other		
end Uha card Immediately to the ended of the second data of the second	2. Bend this card to the Central Shift Office.		
Pige 1 of 2 A 40004 557 (bl/r g	0 Page 2 of 2 Addisator (m		
ODOR RESPONSE CARD - 241-SX FARM	ODOR RESPONSE CARD - 241-SX FARM		
Didovs Dataction with (SQ) Immediate symptoma	1. Contact CSM, Complete below bulleted information and map.		
	Deter and Erne odor was noticed 3/30/17 0845		
	■ Your name and the work your were performing//PT Row find 5		
s non is parcetos	· Location of odors (mark area on map and wind direction) Inside Change Trailer MO-298		
Colors Detected WITH Symptoms	Name(s) of others in or near the affected area		
antest CDA	Was an Brit present? No		
Your cannot be worth you same     You cannot be worth you sam	Describe the oder      Sweet      Sour      Musty      Earthy      Metallic      Smoky      Retten      Onion		
Pour symptoms (F any)     Pour symptoms (F any)     Pour symptoms     Tour symp	Cleaning Solution Annonia Direc. <u>propane</u>		
- service of the	Possible Source <u>UniCnpuu n     Your symptoms (Vany)    Headsche    Dizzivessällight-Headed    Maunas    Coogh Non@</u>		
Nense of other is or near the effected     In the set of the effected	Feligue/Drowsiness/Westness     Soru/Burning Throat     Difficulty Breathing		
• Was an HT present? • Possible source • W E	Watery/Initiated Eyes/Trouble with Vision		
wide information on the back	□ Other: _///}		
and this sard lymodialsly to the			
andral Blidt, Office. Set 402 FMDM	2. Send this card to the Central Shift Office.		
Page 1 of 2. A4006487 (101V 6)	Paga 2 of 3 A4004407 (bdV		

# Attachment 6 - Official Industrial Health Investigation Report, Page 5 of 5

Washington River Protection Solutions TF-AOP-015 INDUSTRIAL HYGIENE INVESTIGATION REPORT Time/Date & Event location: 0900 03/30/2017 SX Change trailer (MO-298)							PER Number: N/A EIR Number: EIR-2017-013	
	It is recommended that, when an AOP-015 event is reported in a building, the outside door(s) not be left ope the IH response team will have difficulty in determining the strength or character of the odor.							
6.	Other:			12	÷.			
	Nothing else to report or con							
				2				
	Print First and Last Name	· -6	Signal	ture /	Phon	e No.	04/24/17 Date	
							*	
						<u></u>		