

EVENT INVESTIGATION REPORT

702-AZ Room 108 AOP-015 Entry

Event Investigation Report Number: EIR-2016-017

Event Investigation Team Lead

5/3/16

Date

PER Responsible Manager

5/3/16

Date

PER No. WRPS-PER-2016-0670

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"**Investigation Summary**

On Monday, 4/11/16 at approximately 0955, two Production Operations personnel, (one Industrial Hygiene Technician (IHT) and one Nuclear Chemical Operator (NCO), reported a chlorine-like odor on the north side of 702AZ, outside of room 108. The IHT experienced symptom of a metallic taste in mouth which lasted approximately 30-60 seconds. At the time of the event, the IHT was performing Direct Reading Instrument (DRI) monitoring for volatile organic chemicals (VOCs) and ammonia and had no elevated readings. Weather conditions were 6 MPH with peak gusts ~10 MPH from WNW direction. The work crew exited the area and notified the Central Shift Manager (CSM).

The CSM entered AOP-015 due to odors causing symptoms that were detected by multiple personnel outside areas where potential or actual vapor concerns are expected. Access to the area was restricted and on-going work was suspended.

IHTs were dispatched to 702-AZ to collect bag samples (702-AZ room 103/108 and from the building exterior where odors were encountered). Results from the bag samples were distributed at 1552 with results below the level of detection. The CSM exited AOP-015 at 1824 and access was restored to 702-AZ. On 4/12/16 at 0442, the affected IHT was returned to work without restriction.

Weather Information

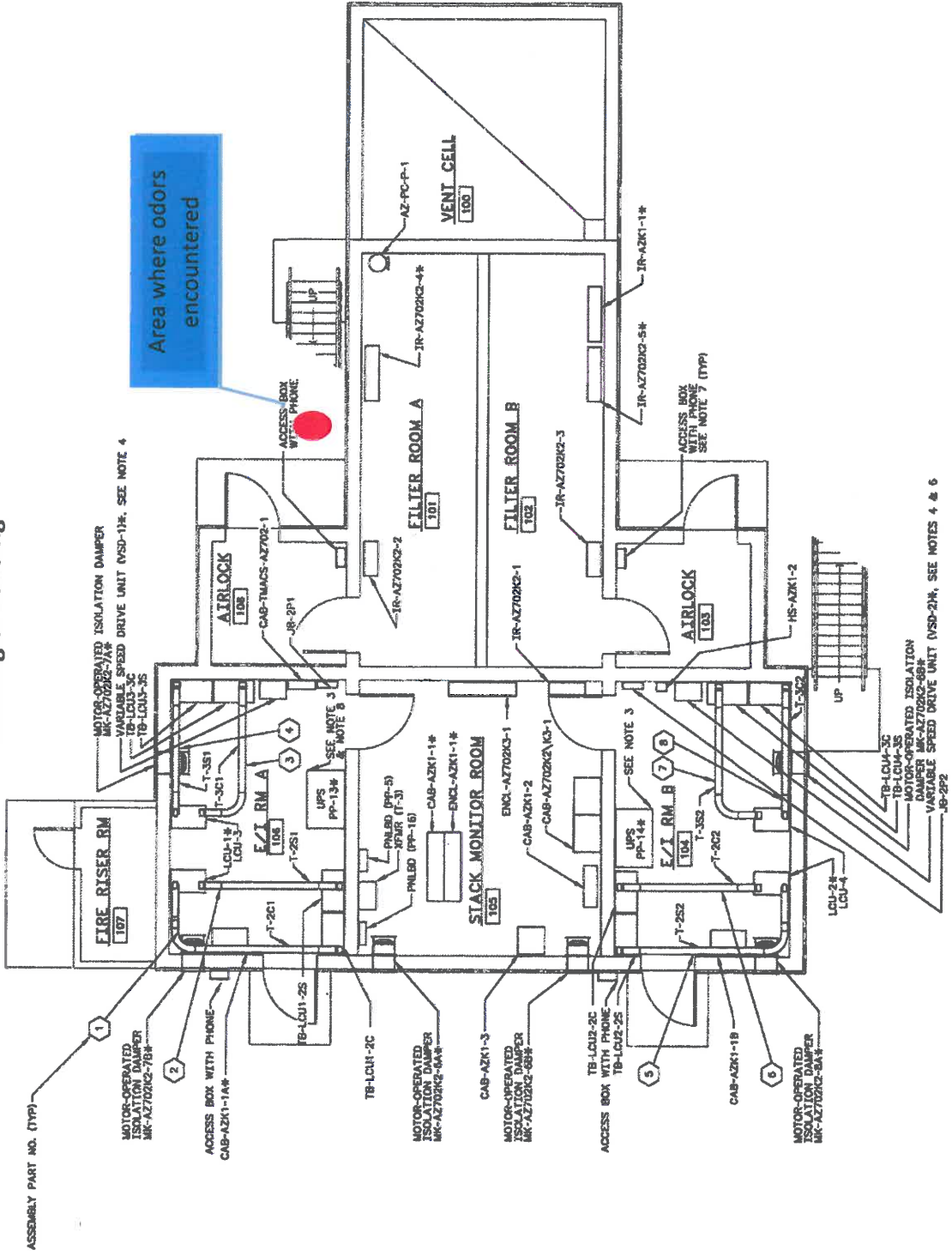
At the time the odors were encountered, wind speeds were approximately 6 MPH with peak gusts ~10 MPH blowing in a WNW direction. The following data was provided by the Hanford Weather Station for April 11, 2016:

200 East Area/Station 6 Weather Data for April 11, 2016

Date and time	Wind Speed	Wind Direction	Peak Gust
4/11/2016 8:00	6.69	259.9	12.91
4/11/2016 8:15	10.04	298.9	13.75
4/11/2016 8:30	10.33	294.5	14.38
4/11/2016 8:45	10.13	290.9	13.12
4/11/2016 9:00	7.671	302.7	10.59
4/11/2016 9:15	7.918	296.8	12.07
4/11/2016 9:30	5.607	281.2	9.54
4/11/2016 9:45	6.464	277.2	10.8
4/11/2016 10:00	5.898	312.7	9.12
4/11/2016 10:15	5.072	345	10.59
4/11/2016 10:30	4.795	23.71	8.49
4/11/2016 10:45	4.988	117.7	8.91
4/11/2016 11:00	7.424	124.5	12.49
4/11/2016 11:15	8.01	123	13.33
4/11/2016 11:30	6.899	127.4	13.96

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Drawing of Building



FIRST FLOOR PLAN
SCALE: 1/4"=1'-0"

EIR-2016-017, “702-AZ Room 108 AOP-015 Entry”**Photo of Area****241-AZ Farm and 241-AZ-702 Ventilation Building****Event Timeline****4/10/16**

2256 AY-102 to AP-102 Retrieval secured.

4/11/16

0331 Flushing of retrieval transfer lines completed.

0707 Farm sweeps were completed and normal access was restored to AY/AZ farms.

1000 AZ Team IHT notified the AZ Team field Industrial Hygienist (IH) of odors and symptoms experienced while exiting 702-AZ room 108.

1006 AN Team Field IH arrives to CSO.

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1012 Production Operations Safety and Health Manager notified CSM that IHT and NCO encountered a chlorine-like odor outside of 702-AZ room 108. The IHT experienced a metallic taste in mouth. The IHT was performing DRI monitoring for VOCs and ammonia at the time and had no elevated readings. The IHT was taken to HPMC for evaluation. The NCO did not experience symptoms and declined evaluation at HPMC. The IHT Odor Response card was provided to the CSM.

Note: Initial room location was reported as 702-AZ, room 103. This was later corrected to room 108. See 1445 timeline entry.

1015 CSM entered AOP-015, "Response to Reported Odors or Unexpected Changes to Vapor Conditions."

1020 CSM notified AZ Team Area Day Shift Manager. The NCO Odor Response Card was provided to CSM.

1023 CSM made radio announcement of AOP-015 entry.

1025 CSM distributes SOEN message, "Entering AOP-015 for odors outside 702-AZ Rm. 103, access restricted around 702-AZ building unless authorized by Shift Manager. CSM."

Note: Initial room location was reported as 702-AZ, room 103. This was later corrected to room 108. See 1445 timeline entry.

1026 Shift IHTs reported to the Central Shift Office.

1027 AZ Team field IH briefs IHTs of response actions.

- Survey into restricted area
- Collect grab sample inside of 702-AZ, room 103
- Collect grab sample inside of 702-AZ, airlock room 108
- Collect grab sample in area outside of 702-AZ around area where odor was reported.

1029 Production Operations IH notifies Program IH of impending grab samples for Hapsite analysis and interpretation.

1030 CSM notified ORP Facility Representative.

1030 AZ Team Area Day Shift Manager reports all work activities in the affected area have been suspended.

1031 Shift IHTs are deployed to field to initiate response actions.

1033 IH notifies Safety and Health Manager that AOP-015 has been entered and response actions are underway.

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- 1035 CSM dispatched ER-1 NCO to post the area as, "Restricted Access, Contact Shift Manager."
- 1036 Production Operations Safety and Health Manager notifies case manager that IHT is being transported to HPMC due to symptoms related to odor.
- 1038 CSM notified Senior Manager.
- 1041 CSM was notified that affected NCO declined evaluation at HPMC.
- 1103 NCOs report the area around 702-AZ has been posted as restricted access.
- 1109 CSM notified WRPS Industrial Safety Manager.
- 1143 Field IH reports that 3 bag samples have been delivered to 2704HV for Hapsite analysis. All DRI field readings were less than level of detection.
- 1445 Production Operations Industrial Hygienist notified CSM the correct room is actually room 108 not 103.
- 1552 Hapsite results completed and distributed to IH. Certified Industrial Hygienist (CIH) reports, "the employees indicated a chlorine odor on the odor response cards, so I looked for specific compounds that have that type of an odor. However, those various chlorinated compounds were not found on the reconstruction ion chromatograms. The results indicate that exposures may be below detection. There appears to be nothing in the bags that would prevent return to normal operations."
- 1824 CSM exits AOP-015 and building access was restored based on results below detection levels. DOE Facility Representative and Senior Manager were notified. SOEN message distributed.

4/12/16

- 0442 Affected IHT was returned to work with no restrictions.
- 0532 ORP Facility Representative notified employee returned to work with no restrictions.

Immediate Actions Taken

1. IHT was taken to HPMC for evaluation.
2. NCO declined evaluation at HPMC.
3. Access was restricted around 702-AZ.
4. Work activities in the area were suspended.
5. A SOEN and radio announcement were made regarding AOP-015 entry.
6. EIR-2016-017 was initiated.
7. IHTs were dispatched to the area to obtain bag samples (702-AZ room 103 and 108, outside of 702-AZ where odor was reported). Bag sample results were below level of detection.

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"**Compensatory Measures**

1. None

Discussion of Potential Causes

Based on a review of the following, the source of the odors encountered by the affected individuals was not able to be definitively determined.

1. Review of information and investigative IH monitoring and sampling of the area. All samples came back below the level of detection.
2. Input from affected workers described the odor as chlorine-like odor.
3. Bag samples were evaluated for compounds with a chlorine-like odor. Those various chlorinated compounds were not found on the reconstructed ion chromatograms.
4. A review of on-going activities including AY-102 to AP-102 Retrieval Operations did not reveal any likely source of the odors. There were no waste disturbing or waste intrusive activities on-going at the time.

Preliminary Extent of Condition Review

The AOP-015 entry was specific to the 702-AZ ventilation building.

Discussion of Barriers That Could Have Impacted the Cause

Impacting barriers is an unknown because the cause of the odors was not able to be definitively determined.

Conditions Adverse to Quality

None

Recommendations/Proposed Corrective Actions

There are no proposed corrective actions as the cause of the odors was not able to be definitively determined.

Attachments (As they apply):

1. Odor Response Card
2. Industrial Hygiene GCMS Sample Results
3. Production Operations Release Sheet for 4/11/16

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Attachment 1
Odor Response Cards

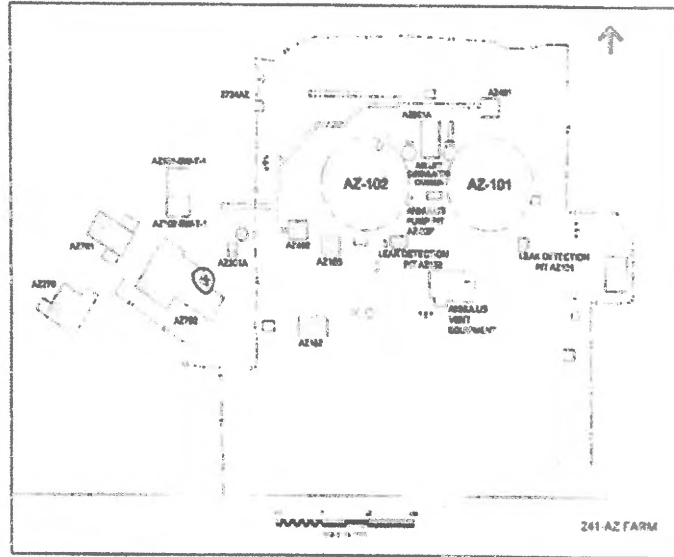
Odor Response Card

Odors Detected with NO Immediate symptoms

1. Notify Immediate Supervisor.
2. Contact Central Shift Manager, [REDACTED] Provide below bulleted information.
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 wind direction)
 - Describe the odor
 - Name of others 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.



Odor Response Card

1. Contact CSM, 373-2689, complete below bulleted information and map.

- Date and time odor was noticed 4/11/2016 @ 0955
- Your name and the work you were performing area monitoring for NH3 + VOCs
- Location of odors (mark area on map and wind direction) outside of 702AZ Room 108
- Name of others in or near the affected area: _____
- Was an IHT present? no
- Describe the odor Sweet Sour Musty Earthy Metallic Smoky Rotten Onion Cleaning Solution Ammonia Other chlorine
- 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 metallic taste in mouth at time

2. Send this card to the Central Shift Office.

Revised 2/3/15

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Attachment 1
Odor Response Cards

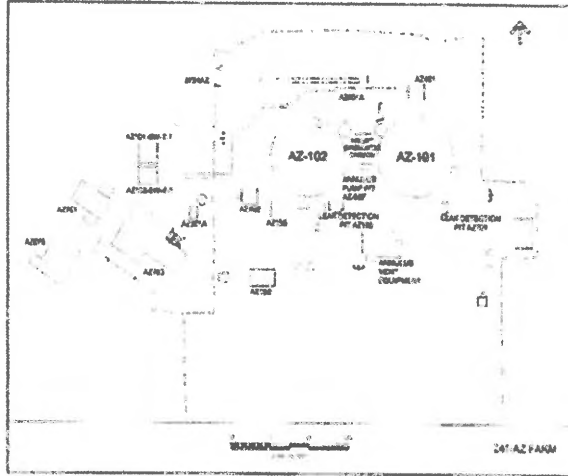
Odor Response Card

Odors Detected with **NO2**
Immediate symptoms

1. Notify Immediate Supervisor.
2. Contact Central Shift Manager, [REDACTED] Provide below bulleted information.
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 wind direction)
 - Describe the odor
 - Name of others 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.



Odor Response Card

1. Contact CSM [REDACTED] complete below bulleted information and map.

- Date and time odor was noticed 4-11-16 9:55
- Your name and the work you were performing _____ / ROUTINES
- Location of odors (mark area on map and wind direction) Room 102
- Name of others in or near the affected area _____
- Was an IHT present? Yes
- Describe the odor Sweet Sour Musty Earthy Metallic Smoky Rotten Onion Cleaning Solution Ammonia Other CHLORINE
- 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 _____

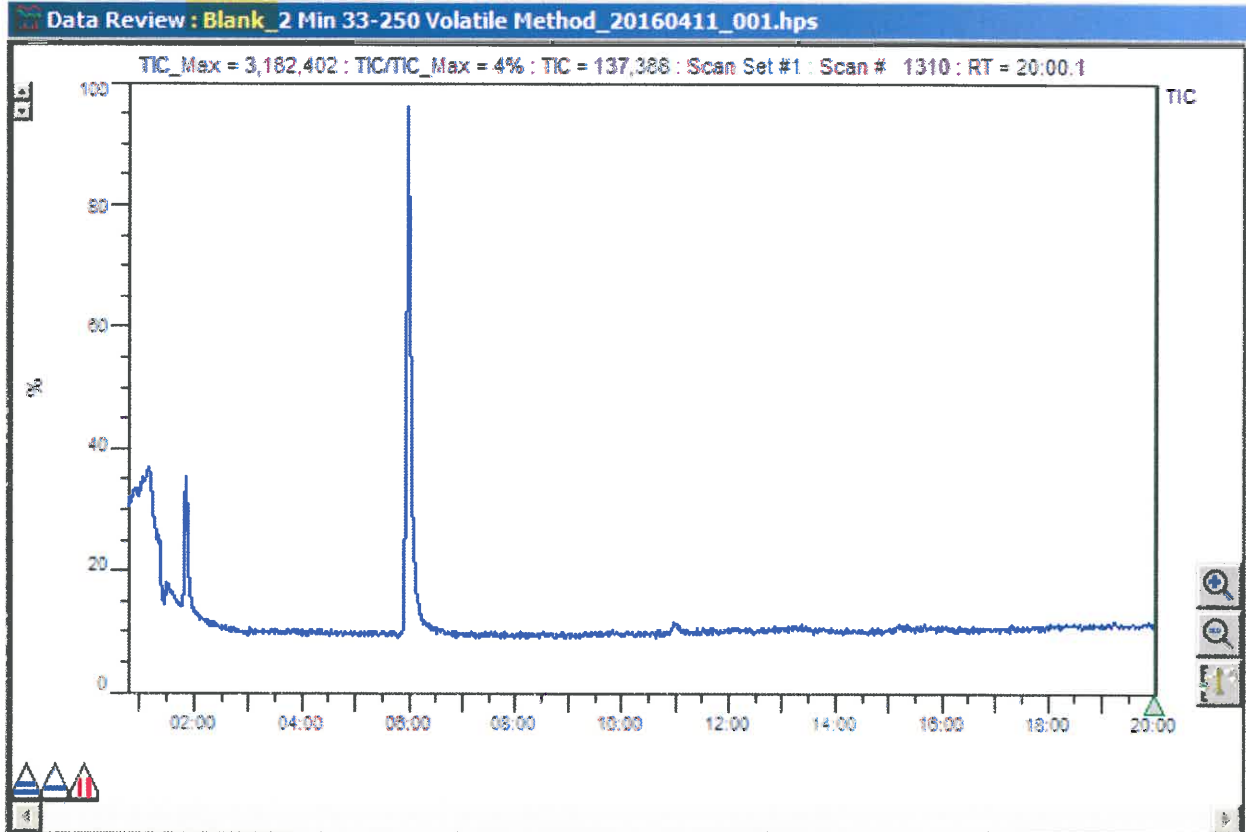
2. Send this card to the Central Shift Office.

Revised 2/9/15

EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Attachment 2 Industrial Hygiene GCMS Sample Results

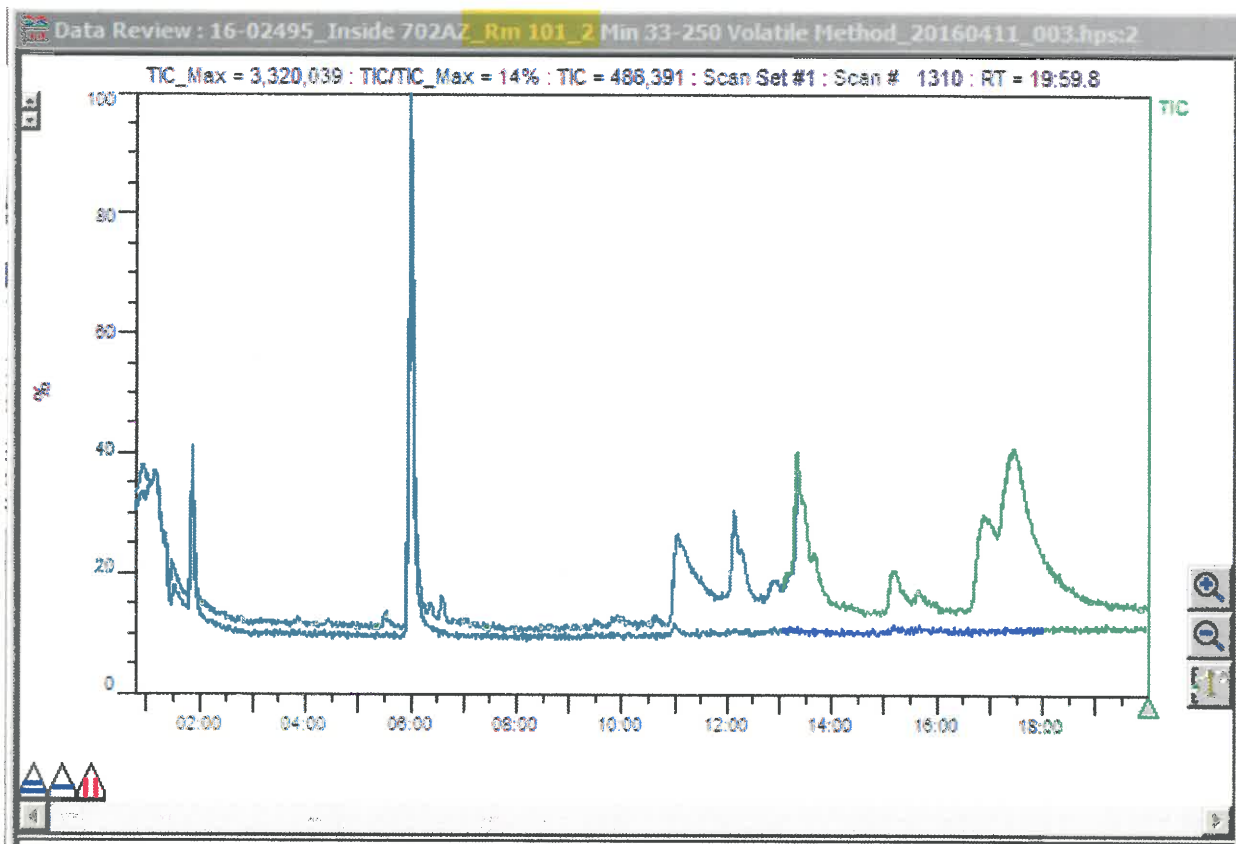
The 3 bags closely align with the instrument blank sample that is shown:



EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Attachment 2
Industrial Hygiene GCMS Sample Results

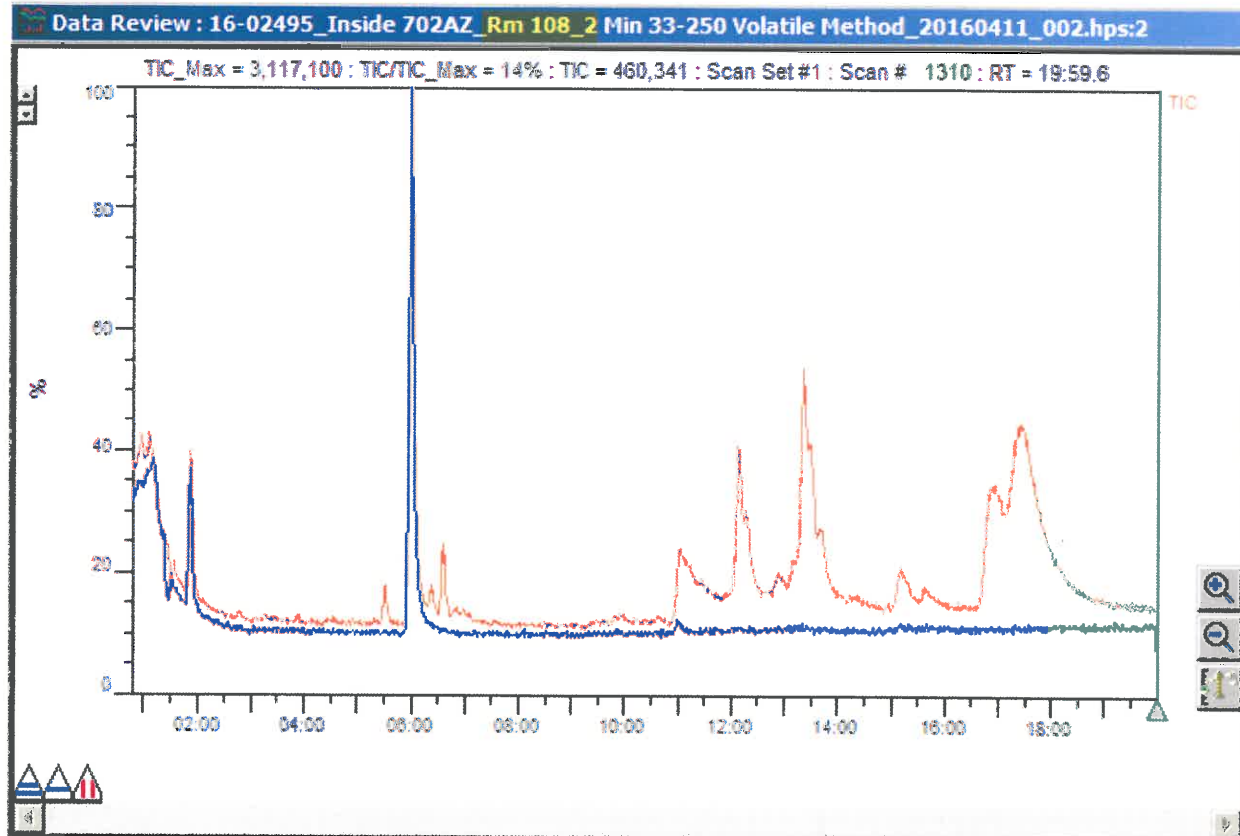
Each of the 3 bags had no identifiable readings:
Room 101: Sample in Green, blank blue.



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Attachment 2 Industrial Hygiene GCMS Sample Results

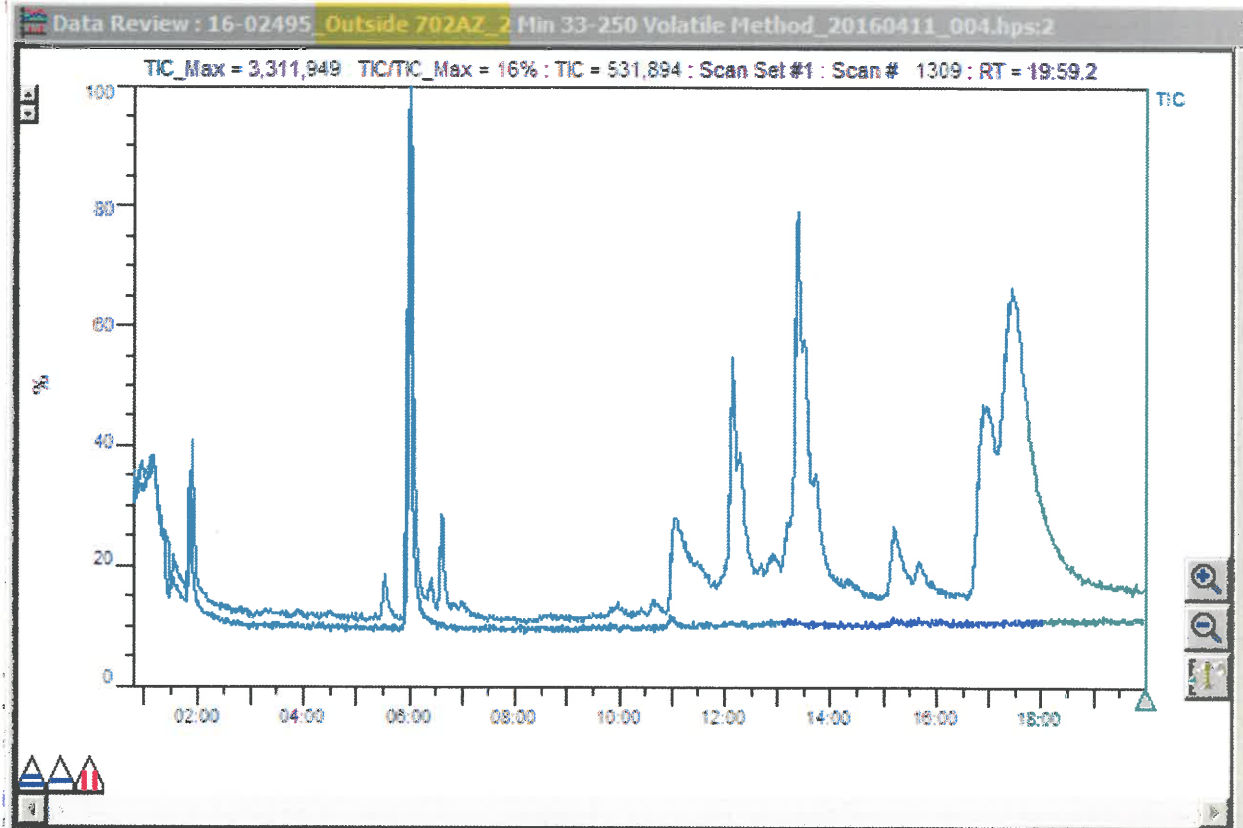
Room 108: Sample in orange, blank blue:



EIR-2016-017, "702-AZ Room 108 AOP-015 Entry"

Attachment 2
Industrial Hygiene GCMS Sample Results

Outside 702AZ: Sample in Green, blank in blue:



The employees indicated a chlorine odor on the odor response cards, therefore, specific compounds with that type of an odor were looked for. However, those various chlorinated compounds were not found on the reconstructed ion chromatograms.

The results indicate that exposures may be below detection. There appears to be nothing in the bags that would prevent return to normal operations.

Attachment 3
Production Operations Release Sheet for 4/11/16

Item	WO#	Description	Priority	Notes
1	162556	Caltrans Shovel AP Sampler - 21722		
2	16260	272.MV.SCALAR-TERMINATOR SQUIBBER CAL		
3	161670	Caltrans Redox AP Sampler - 10644		
4	181081	Caltrans Redox AP Sampler - 10644		
5	WO 207961	241-AP06A PH Work (Status Report)	4)	
6	WO 207163	AP-107 Core Sampling Setup		
7	WO 221288	City Card Inspection DT-8 Core Platform		
8	WO 218161	Install Ground Rods Outside of Farm		
9	WO 207900	AP-102 Grab Sample (80%)		
10	WO 206709	C-105 Remove Additional MURS on Tank Equipment		
11	WO 165291	241-C-106 A & C jet foam removal. ISF jet survey/investigation		
12	WO 201004	C-108 Remove MURS Ancillary On-Tank Equipment		
13	WO 171060	Steel Pit Vault and Steel Pit Cabinet Installation for AP241-VTP Exhaustors		
14	WO 166188	AP Exhauster Electrical for Sheds and 355-AP		
15	WO 172990	AP Farm Electrical for AP-271 Control RM and Alternate PWR		
16	WO 175009	241-AP Exhauster Steel Pit and Condensate Tie-In		
17	WO 166165	241-AP Exhauster Upgrade Civil and Mechanical		
18	WO 204875	AP Farm SBA Freeze Protection Electrical Installation per ECR-712868		
19	WO 204876	AP Farm Freeze Protection TC & HOBO Install		
20	WO 166078	Install Carpet @ C Farm (Install Reflective Taps to Eco Sheds)		
21	WO 200746	Decon Flush Truck (C-Farm)		
22				
23				
24				
25				
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42				
43				
44				
45				
46	Male	INFO ONLY	ES/MS Training	
47	Male	INFO ONLY	EV NCO for training	
48	AN	20942	AN-106 UT Demo	
49	AP	INFO ONLY	IT to Support Bottle Changes	
50	C	TFC-14-1507	C-Farm Housekeeping and Misc NCO Support	
51	N/A	Reserve	MDL/DW/RRAS	

Attachment 3
Production Operations Release Sheet for 4/11/16

8	MAR	161559	Caltrans Station Air Sampler - 14722						
	MAR	162200	100 AMMSTADLER CHERRY APT CONCERT CUL						
10	MAR	161070	Caltrans Radeco Air Sampler - 10318						
44	MAR	161301	Caltrans Radeco Air Sampler - 5905						

Attachment 3
Production Operations Release Sheet for 4/11/16

1. No Prohibited
2. No Prohibited
3. No Prohibited
4. No Prohibited
5. No Prohibited

Line Number	APCC Activity Name	PWS	PWS Activity Name												PWS Comments	Project No.	PWS Comments	Log number	PWS No.
			IT	IS	IR	IS	IR	IS	IR	IS	IR	IS	IR	IS					
<p>Total Releases/Projects Permitted/Exceedance Available</p> <p>Total Releases/Projects Permitted/Exceedance Available</p> <p>Weather Station (Weather Station)</p>																			
1	AP TO-270-625	AY-102 OE																	
2	C TFC-14-1507	CR																	
3	AY TO-270-625	AY-102 OE																	
4	AY TO-200-410	AY-102 OE																	
5	AX WO 173165																		
6	AX WO 174650																		
7	AX TFC-14-8145																		
8	AX TFC-14-8106																		
9	AX WO-173514																		
10	AX TFC-14-5555																		
11	AX WO 219814																		
12	AX WO 207126																		
13	AX TFC-14-5755																		
14	AX WO 171911																		
15	AX WO 165125																		
16	AX TFC-14-2767																		

Attachment 3
Production Operations Release Sheet for 4/11/16

1. No Release
2. No Release
3. No Release
4. No Release

Line	Facility	DAM	APCC	Activity Name	FWS	Monthly April 15, 2016												EPA	EPA
						17	18	19	20	21	22	23	24	25	26	27	28		
Projects and Retrieval Daily Resource Sheet																			
Total Resources/Projects/Permits/Requirements Available																			
Total Resources/Projects/Permits/Requirements Released/Used																			
Weather Forecast (Weather.com 10-day)																			
Retrieval / Projects / Construction Activities In																			
APCC																			
APCC																			
1	AP	TD-370-225	AV-102 Retrieval Operations (A,B,C,D Shifts) FOR AP RELEASE ONLY	AV-102 OE															
2	AY	TD-370-225	AY-102 Retrieval Operations (A,B,C,D Shifts)	AY-102 OE															
3	AY	TD-300-410	FORSSA Water Std	AY-102 OE															
4	AX	TR-11-225	Perform AP Operations	Best															

Attachment 3
Production Operations Release Sheet for 4/11/16

Line	Priority	SAIS	APCC	Activity Name	FVB	Schedule April 14, 2016												POD Comments	Proj Job	CAD#	EPA RM
						IT	SL	PC	SW	SK	DR	OP	NS	OP	NS	OP	NS				
<p>Projects and Retrieval Daily Resource Sheet</p> <p>Total Retrieval/Projects Available Resources Available</p> <p>Total Retrieval/Projects Released Hours</p> <p>Weather / Forecast (Weather.com 10-day)</p> <p>Temp H:80°F-L:45°, Wind:10 mph, Precip: 0%, Moisty</p> <p>Retrieval / Projects / Construction Activities In Study</p> <p>80% (Being, TR, RV, PB, Minimums, Combinations)</p> <p>Retrieval / Projects / Construction Activities In Study</p> <p>80% (Being, TR, RV, PB, Minimums, Combinations)</p>																					
1	AP	TD-270-826		AY-102 Retrieval Operations (A,B,C,D Shifts) FOR AP RELEASE ONLY	AY-102 OE																
2	AY	TD-270-825		AY-102 Retrieval Operations (A,B,C,D Shifts)	AY-102 OE												2025-48 MC-1310945				
3	AY	TD-200-410		ROK384 Water Stud	AY-102 OE												2025-48 MC-1310945				

Attachment 3
Production Operations Release Sheet for 4/11/16

1. No Release
2. Release
3. No Release
4. No Release
5. No Release

Line	Priority	Title	APCC	Activity Name	PWS	From 4/11/16 to 4/11/16												Per Job	PWS Comments	Tag and WPT	Case Ref
						17	18	19	20	21	22	23	24	25	26	27	28				
<p>Projects and Retrieval Daily Resource Sheet</p> <p>Temp 14-40°F, 40% Wind-10 mph, Precip 0%, Humidity 30%</p> <p>Retrieval / Projects / Construction Activities in Suitability</p> <p>AWAPBIB0057C</p> <p>MS (Safety, TBM, SHV, Met, Miscellaneous, Combinations)</p> <p>Retrieval / Projects / Construction Activities in Suitability</p> <p>AWAPBIB0057C</p> <p>MS (Safety, TBM, SHV, Met, Miscellaneous, Combinations)</p> <p>Retrieval / Projects / Construction Activities in Suitability</p> <p>AWAPBIB0057C</p> <p>MS (Safety, TBM, SHV, Met, Miscellaneous, Combinations)</p>																					
1	AP	TO-270-925		AY-102 OE FOR AP RELEASE ONLY	AY-102 OE																
2	C	TFC-14-1807		Re-Arrange Exhaust Area C-Farm Change Test Config																	
3	AY	TO-270-925		AY-102 Retrieval Operations (A,B,C,D Shifts)	AY-102 OE																
4	AY	TO-200-410		FOR204 White Slid	AY-102 OE																
5	AX	WO-173165		241-AX Level 3 Construction Mechanical (S&S of Craft)	Schmidt																
6	AX	WO-174850		AX Farm Level 3 Electrical	Andrews																
7	AX	TFC-14-6145		241-AX Install Duct Supports Near Vent Station	Schmidt																
8	AX	TFC-14-9183		AX-104 R00 Radcoo Riser with New Spool	Palomares																
9	AX	WO-173814		241-AX Install Trussing & Vacuum Cabinets on POR126 & POR127 Exhaustors	Andrews																
10	AX	TFC-14-5555		241-AX Perform Extractions for Radcoo	Palomares																
11	AX	WO 219914		Remove abandoned conduit from 241-AX-201A	Palomares																
12	AX	WO 207126		241-AX Install Grounding Cable to POR126 & POR127 Exhauster Stack Platforms	Andrews																
13	AX	TFC-14-3739		241-AX Install Wire & Conduit	Andrews																
14	AX	WO 171901		241-AX - Install POR126 Exhauster Slid General and Emergency Lighting	Andrews																
15	AX	WO 168138		241 AX-Install Heat Traces for Exhaustors	Andrews																
16	AX	TFC-14-2767		AX-101,102,103,104 Pits foam Removal	Bishop																

Attachment 3
Production Operations Release Sheet for 4/11/16

1. No Package
2. No. of Packages
3. No. of Packages
4. No. of Packages
5. No. of Packages

Job Priority	Job ID	Job Name	PWS	Standard Hours by Shift												Total Hrs	Tag and Sign	PDI Comments	Job Job	CATS
				1	2	3	4	5	6	7	8	9	10	11	12					
Projects and Retrieval Daily Resource Sheet																				
Total Hours Available for Project Activities Total Hours Available for Retrieval Activities																				
Temp H-407L-45, W/HS-10 mph, Precip 0%, Windy Retrieval / Projects / Construction Activities in AUM-PT-800037C 80% (Safety, TRK, SW, PB, Silencers, Combinations)																				
1	AP	TD-370-025	AY-102	Retrieval Operations (A,B,C,D Shifts) FOR AP RELEASE ONLY	AY-102	OE														
2	AY	TD-370-025	AY-102	Retrieval Operations (A,B,C,D Shifts)	AY-102	OE														
3	AY	TD-300-110	PC0304	Water SMO	AY-102	OE														
4	AY	TR-14-645	TR-14-645	TR-14-645	AY-102	OE														
S	AC	1021914	1021914	1021914																

Attachment 3
Production Operations Release Sheet for 4/11/16

Task Name: AW		Washington River		All activities are conducted in accordance with TRS, Environmental and Safety requirements and the jurisdiction of the Administrator of AW.	
Shift Manager:		1. No Penalties		2. No PPE Offense	
Area Manager:		3. No Safety Violations		4. No Safety Incidents	
Work-Week Manager:		5. No Safety Incidents		6. No Safety Incidents	
1	AW	TF-OR-DR-EV	AW Farm Operations (AG 5.9.1, SR 3.1.2, 3.1.3A, 3.5.1)		
2	AW	TF-OR-WR-EV	Weekly Routines		
3	MA	INFO ONLY	OP to Support Laundry(EV)		
4	AW	INFO ONLY	NCO OUT		
5	AW	TF-OPS-005	HPT Daily CAL/Record Sampler Inspections		
6	AW	TF-OR-PWR-C1	SOE Rounds		
7	AZ	INFO ONLY	IT to AZ team		
8	AW	206206	Weekly Asset Alert Monitoring (Month)		
9	AW	TO-200-224	Campaign EC-04 Transfer Monitoring		
10	AW	WO 175282	AW P1 Thermocouple Installation		
Partial Release					
20% (Ready to Support)					
11	AW	TF-OPS-005, 015, 031	342A, AW, Filter paper Changes, And delivery to site (21)		
12	AW	206300	MONTHLY EMERGENCY LIGHT INSPECTION (Month), EMERGENCY LIGHTS-200E (ET-102597)		
13	AW	206311	MONTHLY GFCI TEST & INSPECTION (Month), 200-EAST-GFCIS (ET-107285)		

Attachment 3
Production Operations Release Sheet for 4/11/16

Area Manager: Walt-Holmes Manager:		80% (plant, 10% EIR, 10% PIR releases used Communitarian)		All work done and activities in field Pursuant to Environmental and Safety Requirements. All by personnel on site.	
1	243A TPC-015-A-017 TPC-015-A-018	243A Operations			
2	243A TPC-015-B-017_MON P-30	243A HPT Routine			
3	243A TPC-015-B-017_MON P-30	243A HPT Variable Surveys			
4	243A TO-000-001	SRP Various Samples			
5	243A TO-000-040	Steam Condensate Samples			
6	243A TO-000-080	Process Condensate Samples			
7	243A TO-000-090	Evaporator Operation			
8	243A TR-000-000, 010, 020	243A Filter paper Changes			
9	243A 90000	MONTHLY EMERGENCY LIGHT INSPECTION (AREA) EMERGENCY LIGHTS CODE (EEL-00000)			
10	243A 90000	MONTHLY GFCI TEST & INSPECTION (AREA), GFCI-EE (EE-00000)			
11	243A Level 4	level checked on Gasabo			

Attachment 3
Production Operations Release Sheet for 4/11/16

1. Job Package
2. Release Order
3. PDR with work to be released
4. PDR with work to be released
5. PDR with work to be released

Facilities Release Sheet for Friday April 8th 2016										
Unit	Priority	Facility	EMT	Availability Dates	PMR	CRCH	PDR Comments	Release Area, Outpoints	Tag out (M)	Per M
Release Authority: Area Manager: Maintenance Manager: Work-Week Manager:										
80% (Safety, TSR, ENV, PB) Milestones, Commitments)										
1			PP-14-628	27M-4U Fire testing						
2			PP-15-688	27M-4U Fire testing						
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Attachment 3
Production Operations Release Sheet for 4/11/16

Facilities Maintenance Daily Release Sheet Monday 04/11/2016						
Line	Call	Activity Name	WPS	POB Description	Release Act's, Drawings	Top end WPS
1	204005	272171 - Mainframe 6471 - Repair/Replace			1. No. Package 2. New P&H Data 3. New P&H Data 4. New P&H Data 5. New P&H Data 6. New P&H Data 7. New P&H Data 8. New P&H Data 9. New P&H Data 10. New P&H Data 11. New P&H Data 12. New P&H Data 13. New P&H Data 14. New P&H Data 15. New P&H Data 16. New P&H Data 17. New P&H Data 18. New P&H Data 19. New P&H Data 20. New P&H Data 21. New P&H Data 22. New P&H Data 23. New P&H Data 24. New P&H Data 25. New P&H Data 26. New P&H Data 27. New P&H Data 28. New P&H Data 29. New P&H Data 30. New P&H Data 31. New P&H Data 32. New P&H Data 33. New P&H Data 34. New P&H Data 35. New P&H Data 36. New P&H Data 37. New P&H Data 38. New P&H Data 39. New P&H Data 40. New P&H Data 41. New P&H Data 42. New P&H Data 43. New P&H Data 44. New P&H Data 45. New P&H Data 46. New P&H Data 47. New P&H Data 48. New P&H Data 49. New P&H Data 50. New P&H Data 51. New P&H Data 52. New P&H Data 53. New P&H Data 54. New P&H Data 55. New P&H Data 56. New P&H Data 57. New P&H Data 58. New P&H Data 59. New P&H Data 60. New P&H Data 61. New P&H Data 62. New P&H Data 63. New P&H Data 64. New P&H Data 65. New P&H Data 66. New P&H Data 67. New P&H Data 68. New P&H Data 69. New P&H Data 70. New P&H Data 71. New P&H Data 72. New P&H Data 73. New P&H Data 74. New P&H Data 75. New P&H Data 76. New P&H Data 77. New P&H Data 78. New P&H Data 79. New P&H Data 80. New P&H Data 81. New P&H Data 82. New P&H Data 83. New P&H Data 84. New P&H Data 85. New P&H Data 86. New P&H Data 87. New P&H Data 88. New P&H Data 89. New P&H Data 90. New P&H Data 91. New P&H Data 92. New P&H Data 93. New P&H Data 94. New P&H Data 95. New P&H Data 96. New P&H Data 97. New P&H Data 98. New P&H Data 99. New P&H Data 100. New P&H Data	
2	204005	272171 - Mainframe 6471 - Repair/Replace				
3	204005	272171 - Mainframe 6471 - Repair/Replace				
4	204005	272171 - Mainframe 6471 - Repair/Replace				
5	204005	272171 - Mainframe 6471 - Repair/Replace				
6	204005	272171 - Mainframe 6471 - Repair/Replace				
7	204005	272171 - Mainframe 6471 - Repair/Replace				
8	204005	272171 - Mainframe 6471 - Repair/Replace				
9	204005	272171 - Mainframe 6471 - Repair/Replace				
10	178006	1770 roll up door				Spent
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