

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: BP America Production Co.	OGRID: 778	Subsequent Report
Contact Name: Steve Moskal	Contact Telephone: (505) 330-9179	
Contact email: steven.moskal@bpx.com	Incident # (assigned by OCD)	
Contact mailing address: 380 Airport Road, Durango CO, 81303		

Location of Release Source

Latitude: 36.87354° Longitude: -107.87331°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Atlantic A LS 009A	Site Type: Natural Gas Production Well Pad
Date Release Discovered: May 15, 2012	API#: 30-045-22492

Unit Letter	Section	Township	Range	County
C	27	T31N	R10W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls): <u>13 bbls est.</u>	Volume Recovered (bbls): <u>0 bbls</u>
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

A split load line release condensate to the soils beneath it. The tank contents were removed and the line repaired. A soil boring investigation determined the lateral and vertical extents of the spill. A soil vapor extraction unit was install and became active on March 9, 2015. An additional SVE point was installed in February of 2018. Attached is an update of the performance of the SVE system through October 2018.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: The released water absorbed into the ground surface.	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: _____	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>304</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
- ☒ Continued Remediation operation and performance data

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Steve Moskal Title: Environmental Coordinator

Signature: 

Date: August 8, 2019

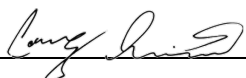
email: steven.moskal@bpx.com

Telephone: 505-330-9179

OCD Only

Received by: OCD Date: 8/13/19

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: 

Date: 8/19/19

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Atlantic A LS 009A

SVE Operation and Performance Oct.2018
API# 30-045-22492
(C) S27, T31N, R10W
SVE GPS:
36.873389°, -107.873024°

Legend

- Atlantic ALS 9A Wellhead
- Exisitng SVE Point
- SVE Point Installed 2018
- SVE Unit

Atlantic A LS 9A

VH-3

SVE Unit

VH-4

VH-5

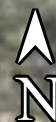
VH-6

VH-1

VH-7

Google Earth

© 2018 Google



80 ft

BP America - Atlantic A LS 9A

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
3/9/2015	VH-5	1,264	20	80	-	-	-	Initial Startup at SVE VH-5
3/10/2015	VH-5	1,008	20	80	YES	NO		
3/11/2015	VH-5	929	20	80	YES	YES	1.00	
3/12/2015	VH-5	920	19	80	YES	YES	1.00	
3/13/2015	VH-5	681	20	80	YES	YES	1.00	
3/17/2015	VH-5	469	19	80	YES	YES	4.00	
3/19/2015	VH-5	341	18	80	YES	YES	2.00	
3/23/2015	VH-5	358	19	80	YES	YES	4.00	
3/30/2015	VH-5	189	19	80	YES	YES	7.00	
4/1/2015	VH-5	195	19	80	YES	YES	3.00	
4/6/2015	VH-5	192	19	80	YES	YES	3.00	
4/15/2015	VH-5	140	20	80	YES	YES	6.00	
4/21/2015	VH-5	111	20	80	YES	YES	6.00	
4/27/2015	VH-5	102	20	80	YES	YES	3.00	
5/7/2015	VH-5	82	19	80	YES	YES	2.00	
5/11/2015	VH-5	72	19	80	YES	YES	2.00	
5/20/2015	VH-5	64	19	80	YES	YES	3.00	
5/26/2015	VH-5	57	19	80	YES	YES	1.00	
6/2/2015	VH-5	55	19	80	YES	YES	1.00	
6/8/2015	VH-5	48	19	80	YES	NO		
6/15/2015	VH-5	44	19	80	YES	NO		
6/22/2015	VH-5	48	19	80	YES	NO		
6/29/2015	VH-5	42	19	80	YES	NO		
7/6/2015	VH-5	40	19	80	YES	NO		
7/13/2015	VH-5	35	19	80	YES	NO		
7/20/2015	VH-5	37	19	80	YES	NO		
7/26/2015	VH-5	32	19	80	YES	NO		
8/5/2015	VH-5	32	19	80	YES	NO		
8/12/2015	VH-5	26	19	80	YES	NO		
8/19/2015	VH-5	26	19	80	YES	NO		
8/24/2015	VH-5	24	19	80	YES	NO		
8/26/2015	VH-2	1.1	22	75	YES	NO		Switched to VH-2. OVM reading after 10-min operation
8/31/2015	VH-2	1.0	20	80	YES	NO		Collected reading then switched to VH-4

BP America - Atlantic A LS 9A

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
9/3/2015	VH-4	2.2	20	80	YES	NO		Collected reading then switched to VH-3
9/8/2015	VH-3	2.6	20	80	YES	NO		Collected reading then switched to VH-5
9/17/2015	VH-5	16	19	80	YES	NO		
9/22/2015	VH-5	10	19	80	YES	NO		Collected reading then switched to VH-1
9/23/2015	VH-1	2	23	75	YES	NO		Collected reading then switched to VH-2
9/24/2015	VH-2	2	20	80	YES	NO		Collected reading then switched to VH-3
9/25/2015	VH-3	4	19	80	YES	NO		Collected reading then switched to VH-4
9/28/2015	VH-4	4	19	80	YES	NO		Collected readings then switched to VH-5
9/29/2015	VH-5	30	19	80	YES	NO		
10/8/2015	VH-5	26	20	80	YES	NO		
10/15/2015	VH-5	26	20	80	YES	YES	5.50	
10/23/2015	VH-5	44	20	80	YES	YES	12.00	
10/28/2015	VH-5	37	19	80	YES	NO		Did not check water level in drum
11/6/2015	VH-5	38.6	20	80	NO	YES	29.00	
11/13/2015	VH-5	38.6	20	80	YES	YES	17.00	
11/20/2015	VH-5	33.3	20	80	YES	YES	19.00	
11/27/2015	VH-5	31.1	20	80	YES	YES	17.00	
12/4/2015	VH-5	22	20	80	YES	YES	22.00	
12/11/2015	VH-5	38	20	80	YES	YES	17.00	
12/18/2015	VH-5	27	20	80	YES	YES	24.50	
12/24/2015	VH-5	23	20	80	YES	YES	16.50	
12/31/2015	VH-5	20	19	80	NO	YES	29.00	Collected readings after draining & restarting
1/7/2016	VH-5	16	20	80	YES	YES	21.00	
1/14/2016	VH-5	16	20	80	YES	YES	23.00	
1/21/2016	VH-5	20	20	80	YES	YES	21.00	
1/28/2016	VH-5	20	20	80	YES	YES	19.00	
2/5/2016	VH-5	18	21	80	YES	YES	21.00	
2/13/2016	VH-5	17	20	80	YES	YES	16.50	
2/19/2016	VH-5	14	21	80	YES	YES	10.00	
2/26/2016	VH-5	14	21	80	YES	YES	11.00	
3/3/2016	VH-5	14	20	80	YES	YES	7.00	
3/10/2016	VH-5	-	-	-	YES	YES	7.00	
3/17/2016	VH-5	17	21	80	YES	YES	7.00	
3/24/2016	VH-5	-	-	-	YES	NO	0.00	Measured ~ 3.0" H2O in drum

BP America - Atlantic A LS 9A

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
3/31/2016	VH-5	13	21	80	YES	YES	14.00	
4/8/2016	VH-5	-	-	-	YES	NO	0.00	Measured ~ 3.0" H2O in drum
4/15/2016	VH-5	13	21	80	YES	YES	7.00	
4/22/2016	VH-5	10	21	80	YES	YES	4.00	
4/29/2016	VH-5	10	21	80	YES	YES	5.50	
5/14/2016	VH-5	10	22	80	YES	NO	0.00	Measured ~ 1.5" H2O in drum
5/26/2016	VH-5	8	21	80	YES	NO	0.00	Measured ~ 1.0" H2O in drum
6/10/2016	VH-5	8	20	80	YES	NO		
6/24/2016	VH-5	8	22	80	YES	NO		
7/21/2016	VH-5	8	22	80	YES	NO		
8/19/2016	VH-5	5	22	80	YES	NO		
9/26/2016	VH-5	8	22	80	YES	YES	2.50	
10/25/2016	VH-5	5	23	80	YES	YES	22.00	
11/8/2016	VH-5	-	-	-	YES	YES	15.50	
11/21/2016	VH-5	22	24	80	NO	YES	23.00	Collected readings after draining & restarting, commenced using Mini Rae PID
12/6/2016	VH-5	-	-	-	YES	YES	26.00	Restarted later in the day
12/14/2016	VH-5	17	21	80	YES	YES	27.00	
12/20/2016	VH-5	33	22	80	YES	YES	17.00	
12/28/2016	VH-5	21	21	80	YES	YES	23.00	
1/5/2017	VH-5	28	22	80	YES	YES	19.00	
1/11/2017	VH-5	23	21	80	YES	YES	15.50	
1/19/2017	VH-5	-	20	80	YES	YES	15.50	
1/25/2017	VH-5	22	20	80	YES	YES	15.50	
2/2/2017	VH-5	23	19	80	YES	YES	22.00	
2/9/2017	VH-5	16	19	80	YES	YES	11.50	
2/15/2017	VH-5	23	19	80	YES	YES	9.00	
2/22/2017	VH-5	21	19	80	YES	YES	9.00	
3/3/2017	VH-5	21	19	80	YES	YES	17.00	
3/9/2017	VH-5	19	19	80	YES	YES	9.00	
3/16/2017	VH-5	26	18	80	YES	YES	5.50	
3/31/2017	VH-5	24	18	80	YES	YES	8.00	
4/13/2017	VH-5	28	18	80	YES	YES	12.00	
4/26/2017	VH-5	19	18	80	YES	YES	5.00	
5/12/2017	VH-5	16	18	80	YES	YES	4.00	

BP America - Atlantic A LS 9A

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
6/12/2017	VH-5	22	19	80	YES	NO	0.00	Water in drum below drain port
7/11/2017	VH-5	15	18	80	YES	NO	0.00	Dry drum
8/14/2017	VH-5	24	18	80	YES	NO	0.00	Dry drum
9/15/2017	VH-5	83	19	80	YES	NO	0.00	Dry drum
10/13/2017	VH-5	21	19	80	YES	YES	14.00	
10/25/2017	VH-5	20	19	80	YES	YES	14.50	
11/10/2017	VH-5	17	18	80	YES	YES	23.50	
11/22/2017	VH-5	19	19	80	YES	YES	23.00	
12/8/2017	VH-5	18	19	80	NO	YES	27.00	High water level shut off unit, drained, restarted, then collected data
12/15/2017	VH-5	14	20	80	YES	YES	25.50	
12/20/2017	VH-5	16	19	80	YES	YES	15.50	
1/5/2018	VH-5	16	11	80	YES	YES	25.50	
1/15/2018	VH-5	16	12	80	YES	YES	22.00	
1/25/2018	VH-5	8	7	80	YES	YES	25.50	
2/6/2018	VH-5	10	8	80	YES	YES	23.00	Collected data, shut down, drained, could not restart
2/26/2018	VH-6	NA	NA	NA	NO	NO	0.00	Start up initiated, no data collected
3/5/2018	VH-6	182	35	NA	YES	YES	15.50	Collected data, shut down, drained, could not restart
3/16/2018	VH-6	NA	NA	NA	NO	NO	0.00	SVE not operational upon arrival, could not restart
3/24/2018	VH-6	NA	NA	NA	NO	NO	0.00	SVE not operational upon arrival, could not restart
4/12/2018	VH-6	242	30	NA	YES	NO	0.00	Water in drum below drain port
4/28/2018	VH-6	177	31	NA	YES	NO	0.00	Water in drum below drain port
5/14/2018	VH-6	171	31	NA	YES	NO	0.00	Dry drum
6/21/2018	VH-6	143	31	NA	YES	NO	0.00	Dry drum
7/25/2018	VH-6	114	32	NA	YES	NO	0.00	Dry drum
8/21/2018	VH-6	NA	32	NA	YES	NO	0.00	Dry drum, PID inoperable
8/30/2018	VH-6	35.6	32	NA	YES	NO	0.00	Water in drum below drain port
9/26/2018	VH-6	23.7	32	NA	YES	NO		Dry drum
10/24/2018	VH-6	67	34	NA	YES	YES	2.50	Collected data, shut down, drained, restarted
11/16/2018	VH-6	72	34	NA	YES	YES	20.50	Collected data, shut down, drained, restarted
12/4/2018	VH-6	61	35	NA	YES	NO	0.00	Did not drain drum (ice build up at drain plug)
12/10/2018	VH-6	68	36	NA	YES	YES	19.00	
12/17/2018	VH-6	71	34	NA	YES	YES	9.00	
12/24/2018	VH-6	46	34	NA	YES	NO	0.00	Did not drain drum
12/31/2018	VH-6	51	26	NA	YES	YES	18.50	

BP America - Atlantic A LS 9A

Summary SVE System Monitoring Data

Date	SVE Pt.	Exhaust OVM (ppm)	Exhaust Vacuum (in)	Exhaust Rate (cfm)	System Operational at Time of Arrival?	H ₂ O Drained from drum?	H ₂ O Amt. Drained (Gal.)?	Comments
1/14/2019	VH-6	65	35	NA	YES	YES	21.00	
1/28/2019	VH-6	62	35	NA	YES	YES	17.00	
2/12/2019	VH-6	63	35	NA	YES	YES	17.00	
2/27/2019	VH-6	56	34	NA	YES	YES	20.00	
3/11/2019	VH-6	56	34	NA	YES	YES	7.00	
3/26/2019	VH-6	48	34	NA	YES	YES	9.50	
4/17/2019	VH-6	52	34	NA	YES	YES	5.00	
5/3/2019	VH-6	50	34	NA	YES	NO		Water in drum below drain port, restarted
6/5/2019	VH-6	49	33	NA	YES	NO		Water in drum below drain port, restarted
7/23/2019	VH-6	40	34	NA	YES	NO		Dry drum

