District I 1625 N. French	Dr., Hobbs, I	NM 88240		St Enormy Mi	ate of	New Mex	ico I Resources			Form C-141 Pavised October 10, 2003
District II 1301 W. Grand Avenue, Artesia, NM 88210 District III Oil Conser			vation Division Submit 2 Copies to appro			Submit 2 Copies to appropriate				
1000 Rio Brazos Road, Aztec, NM 87410011 ConserDistrict IV1220 South				h St. Francis Dr. District Office in accordance with Rule 116 on base			District Office in accordance with Rule 116 on back			
1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa F				e, NM 875	505			side of form		
	1		Rele	ease Notifie	catio	n and Co	orrective A	ction	l	
nJM	1/1/12	19345	739			OPERA	TOR		🛛 Initi	ial Report 🔲 Final Report
Name of Co	ompany B(DPCO, L.P.)4 Carleb	<u>26073</u> ad N.M. 88220	37	Contact Tor	1y Savoie	30		······
Facility Na	me: Poker	Lake Unit D	elaware (C SWD Battery		Facility Typ	e E&P	0		
Surface Ou	vner Federa			Mineral (Jwner	Federal			Lease	No 891000303F LPT.4
Pk	Kalla	# 153							20-01	5-311/12
Unit Letter	Section	Townshin	Range	LUCA Feet from the	North	N OF RE	LEASE Feet from the	East/V	Vest Line	$\int \frac{J}{\gamma} \frac{\gamma}{\gamma} \frac{\gamma}{\lambda}$
G	6	24S	30E	i cet nom the				1.430 1	CSt Line	Eddy
	_I	1	Ľ	atitudeN 32.2	48850	Longitu	ide W 103.9190	67	<u> </u>	
				NAT	URE	OF REL	EASE			
Type of Rele	ase: Produc	ed water				Volume of	Release: 25 bbls	of	Volume	Recovered: None
Source of Re	elease: Produ	iced water sto	rage tank			Date and F	lour of Occurrenc	e	Date and	Hour of Discovery
Was Immedi	ate Notice (Given?	Ves [No T Not R	equired	If YES, To	Whom?	Ind lim	Amos with	the RI M
By Whom? 1	Fony Savoie					Date and Hour 6/1/12, NMOCD at 11:41 a.m. BLM at 11:45 a.m.				
Was a Water	course Reac	hed?			•	The report was delayed due to a medical situation with T.S.				
in us u muter	course read		Yes 🛛	No				ne wate	icourse.	
Describe Cau	urse was Imp use of Proble	em and Remed	be Fully.* lial Action	n Taken.* A pipe	fitting c	on the discharg	ge line from the S	WD pun	np broke, 1	the pipe connection was
Describe Are several flow will be develo	a Affected a line spills in oped in acco	the same area ordance with t	action Tak a that the r he NMOC	en Approximate elease covered. A D and BLM remo	ly 1960 Il of the diation	9 sq.ft. of past e fluid soaked guidelines.	ure land was impa into the ground b	cted wes efore it	st of the ta could be re	nk battery, this area has had ecovered. A remediation plan
I hereby certi regulations al public health should their o or the enviror federal, state,	fy that the in Il operators a or the envir operations ha nment. In ac or local law	nformation gi- are required to onment. The ave failed to a ddition, NMO vs and/or regu	ven above report an acceptanc dequately CD accept lations.	is true and compl d/or file certain re e of a C-141 repo investigate and re tance of a C-141 r	lete to the elease n rt by the emediate report d	he best of my otifications ar e NMOCD ma e contaminatio oes not relieve	knowledge and un ad perform correct arked as "Final Re on that pose a thre e the operator of r	nderstan tive actio eport" do eat to gro esponsit	d that purs ons for rel bes not rel bund water bility for c	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
-			0				OIL CONS	SERV	ATION	DIVISION
Signature:	1 or	Das	ue_			Approved by	District Superviso	er:		1.1 .
Printed Name	: Tony Save	oie						Signed	By M	1/4 Demosiler_
Title: Waste N	Mgmt.& Rei	mediation Spe	cialist	·····		Approval Date	<u>111 1 1 201</u>	7 E	xpiration	Date:
E-mail Addre	ss: TASavo	ie@BassPet.c	om		(Conditions of	Approval:	6		Attached
Date: 6/24/12	<u>.</u>		I	Phone:432-556-87	730					
Attach Addit	ional Shee	ts If Necessa	ıry	<u></u>		o mo o al' - 4 '				2RP-1205
					Ke Guide	lines CLID	per OCD Rules	s &	i	
					PROP	OSAL NOT		ION		RECEIVED
					8	11/12				JUN 26 2012
Released to In	naging: 7/.	11/2023 3:5	5:11 PM	r		1			1	NMOCD ARTESIA

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

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Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1205
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude 32.248850

Longitude <u>-103.919067</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Poker Lake Unit Delaware C SWD Battery	Site Type Exploration and Production
Date Release Discovered 5/30/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	30E	Eddy

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 25 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

A pipe fitting on the discharge line from the SWD pump broke. The fitting was replaced the same day. An area covering approximately 1,960 sq. ft of pasture land was affected west of the tank battery.

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Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
Yes, by Tony Savoie to N	MOCD Emergency Response #104 and Jim Amos (BLM) on 6/1/2012 at 11:41
a.m.	

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: <u>Adrian Baker</u>	Title: <u>SSHE Coordinator</u>
Signature: advion Balos	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

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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>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 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
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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.

Received by OCD: 8/6/2	021 8:09:36 AM				Page 5 of 94
Form C-141	State of New Mexico			Incident ID	nJMW1219345739
Page 4	Oil Conservation Division			District RP	2RP-1205
				Facility ID	
				Application ID	
I hereby certify that the in regulations all operators : public health or the envir failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name:	Adrian Baker <u>Adrian Baker</u> <u>Baker@exxonmobile.com</u>	e best of my tifications a OCD does reat to grou f responsib Title: Date:	7 knowledge ar and perform co not relieve the ndwater, surfac ility for compli SSHE (7/20/2021 Telephone	ad understand that purs rrective actions for rele operator of liability sh water, human health ance with any other fer <u>Coordinator</u>	uant to OCD rules and cases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: Jo	ocelyn Harimon		Date:07/	11/2023	

Oil Conservation Division

Incident ID	nJMW1219345739
District RP	2RP-1205
Facility ID	
Application ID	

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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 in	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C 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 comple and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the C	te to the best of my knowledge and understand that pursuant to OCD rules n release notifications and perform corrective actions for releases which a C-141 report by the OCD does not relieve the operator of liability mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
Printed Name:Adrian Baker	Title:SSHE Coordinator
Signature: addrivan Baks	Date: <u>7/20/2021</u>
email:Adrian.Baker@exxonmobile.com	Telephone:432-236-3808
OCD Only	
Received by: Jocelyn Harimon	Date: 03/17/2023
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/o	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 'or regulations.
Closure Approved by:	Date:07/11/2023
Printed Name: Jocelyn Harimon	Title: Environmental Specialist
· /	

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District 1 1625 N. French Dr., Hobbs, NM 88240 District II	Sta Energy Min	ate of nerals	f New Mexico s and Natural Resources			Form C-141 Revised August 8, 2011			
811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u>	Oil Conserv 1220 South			vision is Dr.	Submit 1	l Copy ac	to appropri cordance w	ate Dis ith 19.1	rict Office in 5.29 NMAC.
1220 S. St. Francis Dr., Santa Fe, NM 87505	Sa	inta Fe	e, NM 875	05					
Re	lease Notific	atio	n and Co	orrective A	ction				
NMW1228428008			OPERA	FOR		Initia	l Report		Final Report
Name of Company: BOPCO, L.P.	0737		Contact: To	ny Savoie					
Facility Name: Delaware "C" Tank Batter the PLU-153	y, same well pad	as	Facility Typ	e: Exploration a	nd Product	tion	<u></u>		
Surface Owner: Federal	Mineral O	wner:	Federal			PI No	30-015-3	1412	
Sulling C	LOCA	TIO							
Unit Letter Section Township Range	Feet from the	North	South Line	Feet from the	East/West	Line	County		
G 6 24S 30 F							Eddy		·
L I I I	.1			1	<u> </u>		L		
	Latitude <u>N 32.</u>	<u>248735</u>	5 Longitud	e <u>W 103.918797</u>	<u> </u>				
Providence	NAT	URE	OF REL	EASE					
Type of Release: Produced water			Volume of	Release: 200 bbls	s Vol	lume R	lecovered: 5	bbls	
Source of Release: Truck load line			Date and H	lour of Occurrenc	e: Dat	e and	Hour of Dis	covery:	
Was Immediate Notice Given?			9/2/12 time	unknown Whom?	9/2/	/12 8:0	0 a.m.		
Yes Yes	🗌 No 🔲 Not Re	quired	Artesia NMOCD emergency #104						
By Whom? Tony Savoie			Date and Hour: 9/2/12 at 12:19 p.m.						
Was a Watercourse Reached?			If YES, Volume Impacting the Watercourse.						
If a Watercourse was Impacted Describe Full	*		1	······				P-06	2012
	•								
Describe Cause of Problem and Remedial Action Taken *				<u> </u>				<u>CD A</u>	RTESIA
The truck load line valve was left open allowing	g the produced wate	er to spi	ill out onto the	e tank battery pad	. The valve v	was clo	sed upon di	scovery	<i>.</i>
Describe Area Affected and Cleanup Action T	ken.*	-							
Approximately 11,770 sq.ft. of caliche pad and lease road and approximately 7060 sq.ft. of pasture was affected by the release, all of the fluid that was released into the pasture soaked in, the free standing fluid was removed with a backhoe and the saturated soil on the caliche pad was scraped up and stockpiled on-site. The spill will be remediated in accordance to the NMOCD recommended guidelines for spills.									
L hereby certify that the information given abo	e is true and compl	ete to th	e best of my	knowledge and w	derstand the	at pure	unt to NM		lec 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other									
coording states, or room rates and or regulations.				OIL CONS	SERVAT	ION	DIVISIO	N	
Signature: Joy Danie									
Printed Name: Tony Savoie			Approved by	Environmental Sp	ecialist Sign	ned By	M1/4	De	menter-
Title: Waste Management and Remediation Specialist			0(Approval Date	CT 1 0 2012	Expira	ation D	Date:		
E-mail Address: tasavoie@basspet.com	E-mail Address: tasavoie@basspet.com			Approval:				_	
Date:9/5/12 Phone: 432-556-8730			Something of	reppiorun.			Attached		1
Date:9/5/12	Phone: 432-556-87	730		rippiotui.			Attached		
Date:9/5/12 * Attach Additional Sheets If Necessary	Phone: 432-556-87	7 <u>30</u> Re	mediation	per OCD Rules	&	•••	Attached	2 <u>–</u>	1304
Date:9/5/12 Attach Additional Sheets If Necessary	Phone: 432-556-87	730 Re Guidel	mediation	per OCD Rules	& ION		Attached	2 —	1304

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

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Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380		
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331		
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1304		
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220			

Location of Release Source

Latitude <u>32.248735</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 9/2/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	30E	Eddy

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 200 bbls	Volume Recovered (bbls) 5 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release	I	1

The truck load line valve was left open allowing the produced water to spill out onto the tank battery pad. The valve was closed upon discovery. Approximately 11,770 square feet of caliche pad and lease road, and approximately 7,060 square feet of pasture land was affected by the release. Free standing fluid was removed with a backhoe and the saturated soil on the caliche pad was scraped up and stockpiled on-site.

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
L	
🛛 Yes 🗌 No	
If YES, was immediate ne	otice given to the OCD?
Yes, by Tony Savoie to E	Emergency Response #104 on 9/2/2012 at 12:19 p.m.

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: <u>Adrian Baker</u>	Title: <u>SSHE Coordinator</u>
Signature: <u>Advion Bays</u>	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

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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>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 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
- \square 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.

Received by OCD: 8/6/202	21 8:09:36 AM toto of Now Mo	vico			Page 11 of 9
F01111 C-141		Oil Conservation Division		Incident ID	nJMW1228428008
Page 4	Oil Conservation D			District RP	2RP-1304
				Facility ID	
				Application ID	
Printed Name: Signature: <u>Adrian.Ba</u>	Adrian Baker Adrian Baker Adrian Baker	Dete to the best of my elease notifications a port by the OCD does pose a threat to group operator of responsibility Title: Date:	knowledge ar nd perform co not relieve the idwater, surface lity for compli- <u>SSHE Co</u> <u>_7/20/2021</u> Telephone	a understand that purs rrective actions for rele operator of liability sh water, human health ance with any other fe ordinator	uant to OCD rules and eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only					
Received by:		1	Date:		

Oil Conservation Division

Incident ID	nJMW1228428008
District RP	2RP-1304
Facility ID	
Application ID	

Page 12 of 94

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: _____Adrian Baker ______Title: _____SSHE Coordinator Signature: <u>Advison Bays</u> Date: <u>7/20/2021</u> Telephone: 432-236-3808 email: Adrian.Baker@exxonmobile.com **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:

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action												
MML	22.84	29248				OPERA	ГOR		🛛 Initi	al Report		Final Report
Name of Co	mpany: B	OPCO, L.P.	26	0737		Contact: To	ny Savoie					
Address: 52	2 W. Mer	mod, Suite 7	04 Carlsl	oad, N.M. 88220)	Telephone No. 575-887-7329						
Facility Nat the PLU-15	ne: Delaw 3	are "C" Tan	k Battery	, same well pad	as	Facility Typ	e: Exploration a	and Pro	oduction			
Curfage Our	nar Eadar			Minanal C		Fadaral			ADIN	20.015.2	1412	
Surface Ow	nei. reuer	<u>ai</u>		- Milleral C	Jwner:	reueral			APING	0. 30-015-5	1412	
		· · · · · · · · · · · · · · · · · · ·	T	LOCA	IOIT	N OF RE	LEASE	-				
Unit Letter G	Section 6	Township 24S	Range 30 E	Feet from the	North/	South Line	Feet from the	East/\	West Line	County Eddy		
				Latitude <u>N 32.</u>	248735	5 Longitud	e <u>W 103.91879</u> 7	7	<u>,,, ,,,,,,,,</u> ,,,	••		
				NAT	URE	OF REL	EASE					
Type of Rele	ase: Crude o	oil and produc	ced water			Volume of oil and 20	Release: 10 bbls bbls produced wat	crude ter	Volume I	Recovered: N	lone	
Source of Re	lease: Produ	iced water tan	1k			Date and H 8/18/12 at	lour of Occurrenc 4:00 p.m.	e:	Date and 8/18/12 4	Hour of Disc 1:00 p.m.	covery:	
Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Late notification in person to Randy Dade												
By Whom?				· · · · · · · · · · · · · · · · · · ·		Date and H	lour: 8/20/12 8:30	a.m.			· · · · · ·	
Was a Watero	course Reac	hed?	Yes 🛛	No		If YES, Vo	olume Impacting th	he Wate	ercourse.		CEI	VED
If a Watercou	rse was Im	pacted, Descri	ibe Fully.*	<u></u>		1				SE	P 06	2012
		-	,								א חי	DIEGIA
Describe Cause of Problem and Remedial Action Taken.*												
This action st	opped the s	pill until the p	oumps cou	Id be repaired.	ow, an e	quanzer nne	was opened with	n 20 mi	nutes after	the tanks sta	ried to	spill over.
Describe Area The 0 perm co approximately placed on the containment to remediation.	a Affected a ontainment y 2000 sq. f pad area ne o be re-buil	and Cleanup A was being rep t pasture area ar the tank ba t, and the line	Action Tak paired at th west of th attery, appr r installed	en.* e time of the spill e tank battery. Al oximately 40 cub . The area outside	, the spi l of the i ic yards the con	Il affected an mpacted soil of soil was r tainment will	area of approxim that could be rem emoved, the area be remediated at	ately 90 oved ar was san a later o	00 sq. ft ins ound the ta upled and b date follow	ide the conta nks was han ackfilled to a ing the NMC	inment d excav allow fo DCD gu	area, and vated and or the idelines for
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.												
		\sim					OIL CONS	SERV	ATION	DIVISIO	N	
Signature:	1 ory	Laure	<u>u</u>						0'	D. M.	l.	Carris and
Printed Name	· Tony Save	vie			I A	Approved by	Environmental Sp	ecialist	: Signed	Dy_/*///	· ~	

 Title: Waste Management and Remediation Specialist
 Approval Date:
 OCT
 1 0
 2012 Expiration Date:

 E-mail Address: tasavoie@basspet.com
 Conditions of Approval:
 Attached
 Attached

 Date:9/5/12
 Phone: 432-556-8730
 Remediation per OCD Rules &
 Attached
 2.RP-1305

 * Attach Additional Sheets If Necessary
 Guidelines. SUBMIT REMEDIATION
 2.RP-1305

 PROPOSAL NOT LATER THAN:
 November 10, 2012
 2.RP-1305

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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	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1305
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude <u>32.248735</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 8/18/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	30E	Eddy

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)

Crude Oil	Volume Released (bbls) 10 bbls	Volume Recovered (bbls) 0 bbls
Produced Water	Volume Released (bbls) 20 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Palaasa		

Cause of Release

The water transfer pumps failed causing the water tanks to overflow, an equalizer line was opened within 20 minutes after the tanks started to spill over. The release affected approximately 900 square feet inside the containment area and approximately 2,000 square feet of pasture area west of the tank battery. All of the impacted soil that could be removed around the tanks was excavated. The area was sampled and backfilled to allow for the containment to be rebuilt, and the liner installed.

Oil Conservation Division

Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
No, late notification was g	givin in person to Randy Dade on 8/20/2012 at 8:30 a.m.

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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:Adrian Baker	Title: <u>_SSHE Coordinator</u>
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 16 of 94
Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

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>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 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 ¹/₂-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.

Received by OCD: 8/6/2021 8:09:36 AM				Page 17 of 9 4
Form C-141	State of New Mexico		Incident ID	nJMW1228429248
Page 4	Oil Conservation Divisi	on	District RP	2RP-1305
			Facility ID	
			Application ID	
I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Signature: Golding P email: Adrian.Bal	Adrian Baker Adrian Baker wher @exxonmobile.com	between the best of my knowledge a notifications and perform c the OCD does not relieve the threat to groundwater, surfactor of responsibility for comp	and understand that purs orrective actions for rele e operator of liability sh ace water, human health liance with any other fe <u>Coordinat</u> or 1 :432-236-3808_	suant to OCD rules and eases which may endanger ould their operations have to or the environment. In deral, state, or local laws
OCD Only				
Keceived by:		Date:		

Oil Conservation Division

Incident ID	nJMW1228429248
District RP	2RP-1305
Facility ID	
Application ID	

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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.

<u>Closure Report Attachment Checklist</u>: Each of the following	tems must be includ	ed in the closure report.			
\square A scaled site and sampling diagram as described in 19.15.29.	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 complet and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the co- accordance with 19.15.29.13 NMAC including notification to the O	ete to the best of my k n release notification S a C-141 report by th mediate contaminatio a C-141 report does ations. The responsib nditions that existed DCD when reclamation	knowledge and understand that pursuant to OCD rules s and perform corrective actions for releases which e OCD does not relieve the operator of liability on that pose a threat to groundwater, surface water, not relieve the operator of responsibility for ble party acknowledges they must substantially prior to the release or their final land use in on and re-vegetation are complete.			
Printed Name: <u>Adrian Baker</u>	Title:	SSHE Coordinator			
Signature: advion Baks	Date: <u>7/20/2</u>	021			
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:	432-236-3808			
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:				
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District [1625 N. French District II 811 S. First St., District III 1000 Rio Brazo District IV 1220 S. St. Fran	Dr., Hobbs, I Artesia, NM s Road, Aztec ncis Dr., Santa	NM 88240 88210 c, NM 87410 a Fe, NM 87505	5	Sta Energy Mir Oil C 1220 Sa	ate of nerals Conser South inta Fe	New Mex and Natura vation Div St. France, NM 875	ico Il Resources vision tis Dr. NM 505	ECEIV OCJub9hi1120 IOCD ART	ED by to appropriace v ESIA	Form C-141 Revised August 8, 2011 iate District Office in vith 19.15.29 NMAC.
T.1	1		Rela	ease Notific	catio	n and Co	orrective A	ction		
nJMh	12311	2959	<u>'3</u>			OPERA	TOR	🛛 Ir	itial Report	Final Report
Name of Co	ompany: B	OPCO, L.P.	2	60737	$ \downarrow$	Contact: To	ny Savoie			
Address: 52 Facility Nat the PLU-15	me: Delaw	are "C" Tanl	k Battery	v, same well pad	as	Facility Typ	No. 575-887-73 be: Exploration	29 and Production	l	
Surface Ow	mer: Feder	al	_ `	Mineral C	wner:	Federal		API	No. 30-015-2	31412
Durine on				IOCA	TIO		LEASE			
Unit Letter	Section	Townshin	Range	LUCA Feet from the	North	South Line	Feet from the	East/West Lin	e County	
G	6	24S	30 E			South Diffe			Eddy	
L	<u> </u>				L		1	[
				Latitude <u>N 32.</u>	24873	5 Longitud	e <u>W 103.91879</u>	7		
				NAT	URE	OF REL	EASE			
Type of Rele	ase: Produc	ed water				Volume of	Release: 650 bbl	s Volum	e Recovered:	0 bbls
Source of Re	lease: 8" su	ction line to S	WD H-nu			Date and H	water	ver Date a	d Hour of Di	scovery'
Source of Re	icase. o su		wD II-pu	mp		8719/12 tin	ne approximately	12:00 - 8/19/ T	2:00 a.m.	scovery.
TTT Torona d'	t. Netice C	<u></u>				a.m. 9//	9/12	9/19/	12	
was immedia	ate Notice C	nven?	Yes 🗌] No 🔲 Not Re	quired	Artesia NN	AOCD emergency	/ #104 and Jim /	mos with the	BLM
By Whom? T	ony Savoie					Date and H	Iour: 8/19/12 at 8	:52 a.m.	<u></u>	
Was a Water	course Reac	hed?				If YES, Vo	olume Impacting	he Watercourse		
			Yes 🛛	No						
If a Watercou	irse was Imj	pacted, Descri	be Fully.*	r						
Describe Cau	se of Proble	em and Remed	lial Action	n Taken.*	•h a					at a sect many in a
A connection	going from	the charge pu	imps to th	e H-pump failed,	the pum	ips were shut	down upon disco	very and the line	was repaired	the next morning.
Describe Area Affected and Cleanup Action Taken.*										
The area around the SWD battery, the road and pasture were impacted by the new release, the same areas involved had been impacted by recent releases at the same location. A rig is being scheduled to determine the vertical extent under the containment and all of the impacted areas. The snill will be										
remediated in accordance to the NMOCD recommended guidelines for spills.										
I haraby corti	fy that the is	formation ai	uan ahawa	is true and some	ata ta ti	had af me	len - uladaa and u	ndaustau dithot n		IOCD rulas and
regulations al	l operators a	are required to	report an	d/or file certain re	ele to ti elease no	otifications ar	id perform correct	tive actions for	eleases which	may endanger
public health	or the envir	onment. The	acceptanc	e of a C-141 report	rt by the	NMOCD ma	arked as "Final R	eport" does not	elieve the ope	rator of liability
or the environ	ment. In ac	dition, NMO	CD accep	tance of a C-141 r	eport do	bes not relieve	e the operator of i	eat to ground water esponsibility for	compliance w	with any other
federal, state,	or local law	s and/or regul	lations.						• 	
		\sim	S				<u>OIL CONS</u>	SERVATIO	N DIVISIO	<u>DN</u>
Signature:	1 oru	$r \sum a$	un							
Drintad Noma	Tony Save	lie				Approved by	Environmental SJ	ecialisgigned	By M1/4	Dementen
Prince Nane	. Tony Save			<u> </u>		NOV	0 6 2012			
Title: Waste N	Managemen	t and Remedia	tion Spec	ialist	1	Approval Date		Expiratio	n Date:	
E-mail Addre	ss: tasavoie	@basspet.com	l		0	Conditions of	Approval:		Attached	
Date:9/28/12				Phone: 432-556-8	730	Dama - di		Dula- 9		
Attach Addit	ional Sheet	ts If Necessa	ry		~	Kemedia Suidelines	SUBALT DEAL		(2	RP-1383
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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

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Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-1383
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude <u>32.248735</u>

Longitude <u>-103.918797</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 9/19/2012	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	30E	Eddy

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 650 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

A connection going from the charge pumps to the H-pump failed. The pumps were shut down upon discovery and the line was repaired. The area around the SWD battery, the road, and the pasture were impacted by the release.

Page 21 of 94

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Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
Yes, by Tony Savoie to N	MOCE Emergency Response #104 and Jim Amos (BLM) on 9/19/2012 at 8:52 a.m

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: <u>Adrian Bake</u> r	Title: SSHE Coordinator
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>_Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 22 of 9)4
Incident ID	nJMW1231129593	
District RP	2RP-1383	
Facility ID		
Application ID		

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>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂 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
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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.

Received by OCD: 8/6/20	21 8:09:36 AM				Page 23 of 94
Form C-141				Incident ID	nJMW1231129593
Page 4	Oil Conservation Divi	sion		District RP	2RP-1383
				Facility ID	
				Application ID	
I hereby certify that the inf regulations all operators ar public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: Signature: Government email: Adrian.Ba	Formation given above is true and complete e required to report and/or file certain relea nment. The acceptance of a C-141 report b igate and remediate contamination that pos of a C-141 report does not relieve the oper <u>Adrian Baker</u> <u>Adrian Baker</u> <u>Adrian Baker</u>	e to the best of my ase notifications ar by the OCD does n e a threat to groun rator of responsibil Title: Date:	knowledge ar Id perform co ot relieve the dwater, surfac ity for compli <u></u>	d understand that purs rrective actions for rele operator of liability sh we water, human health ance with any other fe <u>Coordinator</u> <u>432-236-3808</u>	uant to OCD rules and eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only					
Received by:		D	ate:		

Oil Conservation Division

Incident ID	nJMW1231129593
District RP	2RP-1383
Facility ID	
Application ID	

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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.

<u>Closure Report Attachment Checklist</u>: Each of the following it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
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 complet and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the O	te to the best of my knowledge and understand that pursuant to OCD rules n release notifications and perform corrective actions for releases which a C-141 report by the OCD does not relieve the operator of liability nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: <u>Adrian Baker</u>	Title:SSHE Coordinator
Signature: altrion Dato	Date: <u>7/20/2021</u>
email:Adrian.Baker@exxonmobile.com	Telephone:432-236-3808
OCD Only	
Received by:	Date
	Duc
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

eived by OC.	D: 8/6/202	21 8:09:36 A	1 <i>M</i>								Page 2	25 of 94
District 1 1625 N. French	Dr., Hobbs,	NM 88240		St	tate o	f New Mex	tico				Form	n C-141
District II Energy Minera Energy Minera				ineral	s and Natura	al Resources			Re	vised Augu	st 8, 201	
District III 1000 Rio Brazos Road, Aztec, NM 87410 Oil Cons			Conse	ervation Di	vision	Subm	it I Cop	y to appropriat ccordance with	te District (h 19.15.29	Office ir NMAC		
District IV 1220 S. St. Fran	icis Dr., Santa	a Fe. NM 8750	5	1220) Sou	th St. Francis Dr.						
				21	anta I	re, NM 8/3	005					
			Rele	ease Notifi	catio	on and Co	orrective A	Action				
nHMP	14/1 82	28179		71 0 - 2 -		OPERA	TOR		🛛 Initi	ial Report	🗌 Fina	al Repo
Name of Co	ompany: B	OPCO, L.P.	04 Carlet	20075 ad NM 8822	/	Contact: 10	ony Savoie	20				
Facility Nat the PLU-15	me: Delaw	are "C" Tan	k Battery	, same well pad	as	Facility Typ	be: Exploration	and Prod	uction			
Surface Ow	ner: Feder	al		Mineral (Owner	: Federal			API No	o. 30-015-314	412	
						N OF DE	E ASE	¹ .				
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/We	est Line	County	<u> </u>	
G	6	· 24S	30 E	1830	N	orth	1980	East		Eddy		
				Latitude <u>N 32</u>	.24886	<u>66</u> Longitud	e <u>W 103.91909</u>	<u>)6</u>		<u> </u>		
				NAT	TURE	E OF REL	EASE					
Type of Rele	ase: Produc	ed water				Volume of	Release: 200 bb	ls V	Volume I	Recovered: 15	bbls	
Source of Re	lease: 3 SV	VD injection i	ine			4/21/14 tin	ne unknown		Jate and 1/21/14 a	t 12:30 p.m.	overy:	
Was Immedia	ate Notice C	Given?	Yes 🗌	No 🗌 Not Ro	equired	If YES, To Whom? ed NMOCD emergency #104 and the BLM						
By Whom? Tony Savoie				Date and Hour: 4/21/14 at 2:30 p.m.								
Was a Water	course Reac	hed?	Yes 🖂	No		IT YES, VO	olume Impacting	the Watero	course.			
If a Watercou	irse was Imr	acted. Descri	be Fully.*			-		· ·	1	ECEIV	ED	
		,	j								 111	
Describe Cau	se of Proble	m and Remed	lial Action	Taken.*						<u>APE Z.4 21</u>	<u>114</u>	
A 3" high pre	essure fiberg	lass line coup	ling broke	in the coupling t	hreads	. The connection	on was replaced.		MAA	OCD ART	resia	
The spill impa lease road. The scheduled to be time the batte	a Affected a acted appro- ne spill ponce be dismantle ry is re-loca	nd Cleanup A ximately 4000 led and follow ed and the oil ted.	sq.ft. of p or sq.ft. of p	en.* ad area at the SV path almost ident a battery re-locate	VD loca tical to ed this	ation, approxin a spill at the sa year. There are	nately 4200 sq.ft. ame pump location several open C-	of pasture on on 5/30/ 141's for t	e area and 12 refere his facili	l approximatel ence 2RP-1205 ty that will be	y 1300 sq. 5. The SWI addressed	ft. of D is at the
I hereby certil regulations all public health should their of or the environ federal, state.	fy that the ir l operators a or the enviro perations ha ment. In ad or local law	nformation given required to comment. The store failed to addition, NMOO s and/or regulation s and/or s and/	ven above o report and acceptance dequately CD accept lations.	is true and comp d/or file certain re of a C-141 repo investigate and re ance of a C-141 r	lete to t elease r rt by th emediat report d	the best of my notifications ar le NMOCD ma te contamination loes not relieve	knowledge and u ad perform correc arked as "Final R on that pose a thre e the operator of r	nderstand ctive action eport" doe: eat to grou responsibil	that purs is for rele s not reli nd water ity for co	uant to NMOC eases which ma eve the operate , surface water ompliance with	CD rules ar ay endange or of liabil r, human h n any other	nd er ity ealth
	_	~					OIL CONS	SERVA	TION	DIVISION	I	
Signature: 1 on Survia							, /	\sim				
Printed Name: Tony Savoie				Approved by I	Environmental Sp	pecialist:	4	m				
Fitle: Waste N	lanagement	and Remedia	tion Speci	alist		Approval Date	: 4/28/1C		, viration I	Date: NA		
E-mail Addres	ss: tasavoie	basspet.com				Conditions of	Approval:			Attached		
Date:4/24/14			Р	none: 432-556-87	730 ^R	lemediation p	oer OCD Rule &	Guideline	s, &			
Attach Additi	ional Sheet	s If Necessa	ry			e approval by <u>PROPO</u> c	BLM. <u>SUBMIT</u>	<u>REMEDIA</u> (<u>HAN:</u>	<u>tion</u> –	ZRP-Z	264	,
							100/14					

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

)

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Incident ID	nHMP1441828179
District RP	2RP-2264
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380					
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331					
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-2264					
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220						

Location of Release Source

Latitude <u>32.248866</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Delaware "C" Tank Battery	Site Type Exploration and Production
Date Release Discovered 4/21/2014	API# (if applicable) 30-015-31412

Unit Letter	Section	Township	Range	County
G	6	24S	30E	Eddy

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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 200 bbls	Volume Recovered (bbls) 15 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

A 3" high pressure fiberglass line coupling broke in the coupling threads. The connection was replaced. The release impacted approximately 4000 square feet of pad area, approximately 4200 square feet of pasture area, and approximately 1300 square feet of lease road. The release ponded and followed a spill path identical to a spill at the same pump location reference 2RP-1205. The SWD is scheduled to be is dismantled, all open releases will be addressed at that time.

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Incident ID	nHMP1441828179
District RP	2RP-2264
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	The release volume was greater than 25 bbls.
🛛 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD?
Yes, by Tony Savoie to N	MOCD Emergency Response #104 and BLM on 4/21/2014 at 2:30 p.m.

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: <u>Adrian Bake</u> r	Title: <u>SSHE Coordinato</u> r
Signature: advion Baks	Date: <u>7/20/2021</u>
email: <u>Adrian.Baker@exxonmobile.com</u>	Telephone:432-236-3808
OCD Only	
Received by:	Date:

Oil Conservation Division

	Page 28 of 94
Incident ID	nHMP1441828179
District RP	2RP-2264
Facility ID	
Application ID	

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>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 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.

Received by OCD: 8/6/2	2021 8:09:36 AM tata of Novy Mavico			Page 29 of 9
roim C-141			Incident ID	nHMP1441828179
Page 4	Oil Conservation Division		District RP	2RP-2264
			Facility ID	
			Application ID	
I hereby certify that the i regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name:	nformation given above is true and complete to the are required to report and/or file certain release no comment. The acceptance of a C-141 report by the stigate and remediate contamination that pose a the e of a C-141 report does not relieve the operator of <u>Adrian Baker</u> <u>Bays</u> aker@exxonmobile.com	ne best of my knowledge a otifications and perform c e OCD does not relieve the rreat to groundwater, surfa of responsibility for comp 	nd understand that purs orrective actions for rele e operator of liability sh ace water, human health liance with any other fe <u>oordinator</u>	uant to OCD rules and eases which may endanger ould their operations have a or the environment. In deral, state, or local laws
OCD Only Received by:		Date:		

Oil Conservation Division

Incident ID	nHMP1441828179
District RP	2RP-2264
Facility ID	
Application ID	

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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.

<u>Closure Report Attachment Checklist</u>: Each of the following it	ems must be inclu	led in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC	
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrit	y if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	District office mu	st be notified 2 days prior to final sampling)
Description of remediation activities		
I hereby certify that the information given above is true and complet and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the O	te to the best of my n release notificatio a C-141 report by t nediate contaminati a C-141 report does tions. The responsi- nditions that existed CD when reclamat	knowledge and understand that pursuant to OCD rules ns and perform corrective actions for releases which he OCD does not relieve the operator of liability on that pose a threat to groundwater, surface water, not relieve the operator of responsibility for tible party acknowledges they must substantially l prior to the release or their final land use in ion and re-vegetation are complete.
Printed Name:Adrian Baker	Title:	SSHE Coordinator
Signature: advion Baks	Date: <u>7/20/2</u>	2021
email:Adrian.Baker@exxonmobile.com	Telephone:	432-236-3808
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface v party of compliance with any other federal, state, or local laws and/o	of liability should the vater, human health or regulations.	heir operations have failed to adequately investigate and , or the environment nor does not relieve the responsible
Closure Approved by:	Date:	
Printed Name:	_ Title:	

WSP USA

3300 North "A" Street Building 1, Unit 222 Midland, Texas 79705 432.704.5178

July 26, 2021

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

RE: Closure Request Addendum Poker Lake Unit Delaware C Saltwater Disposal Battery/Delaware C Tank Battery Remediation Permit/Incident Numbers 2RP-1205/nJMW1219345739, 2RP-1304/ nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179 Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following addendum to a Closure Request submitted April 10, 2020. This Addendum provides an update to the depth to groundwater determination and vertical delineation activities completed at the Poker Lake Unit (PLU) Delaware C Saltwater Disposal (SWD) Battery/Delaware C Tank Battery (Site) in Unit G, Section 6, Township 24 South, Range 30 East, Eddy County, New Mexico (Figure 1), in response to the denial of the Closure Request by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD expressed concern that the depth to groundwater assessment and vertical delineation may not be sufficient. Based on the additional depth to groundwater determination and delineation activities described below, XTO is requesting no further action (NFA) for (RP)/Incident Numbers 2RP-1205/nJMW1219345739, Remediation Permit 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

BACKGROUND

On April 10, 2020, WSP submitted a Closure Request to the NMOCD for five historical releases that occurred at the Site between May 30, 2012 and April 21, 2014. A total of 1,095 barrels (bbls) of produced water and 10 bbls of crude oil were released onto the well pad and adjacent pasture. Approximately 20 bbls of produced water were recovered. The former operator reported each release to the NMOCD on a Form C-141. The releases are described in further detail in the original April 10, 2020 Closure Request. The releases were assigned RP Number/Incident Number 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

The Closure Request detailed site characterization according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New

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District II Page 2

Mexico Administrative Code (NMAC). Based on the site characterization, the following Closure Criteria were applied:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

Site assessment and soil sampling activities were completed at the Site to assess for the presence or absence of impacted soil resulting from the five historical releases of crude oil and/or produced water. Based on the soil sample laboratory analytical results from the site assessment activities, no impacted soil was identified, and no further remediation was required. The historical releases occurred during 2012 and 2014. The former operator indicated on the Form C-141s that excavation activities had occurred, and that additional remediation of impacted soil was being scheduled. The absence of impacted soil identified during the assessment activities implied that unreported remediation/excavation activities had been completed at the Site in the past by the previous operator. Additionally, vegetation in the pasture appeared healthy and consistent with the surrounding vegetation. Closure was requested based on laboratory analytical results for the delineation soil samples indicating benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria.

On February 22, 2021, NMOCD denied the Closure Request for the following reasons:

• Depth to groundwater needs a better evaluation and suggest a bore hole to 51 feet bgs to verify. Also there needs to be more subsurface soil sampling done at deeper intervals. Over 1000 barrels of produced water was not recovered, and though there was some scraping of surface soils, it has been several years since these multiple releases and OCD needs to be comfortable that the chloride in soils potential has been assessed at possible leaching depths.

ADDITIONAL DEPTH TO GROUNDWATER ASSESSMENT ACTIVITIES

In an effort to confirm the depth to groundwater determination, WSP oversaw installation a soil boring within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring C-4526 was drilled to a depth of 105 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The Well Record and Log is included in Attachment 1. The location of the borehole is approximately 1,500 feet south of the site and is provided on Figure 1. The borehole was left open for over 72 hours

wsp

District II Page 3

to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 105 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. Based on the confirmed depth to water greater than 105 feet bgs, the Table 1 Closure Criteria identified in the original Closure Request are applicable and appropriate for protection of groundwater at this Site.

ADDITIONAL DELINEATION ACTIVITIES

As presented in the original Closure Request, delineation soil samples were collected on the well pad from 11 boreholes (BH01 through BH07 and BH13 through BH16) and 8 potholes (PH17 through PH24) from depths ranging from 1-foot to 14 bgs. The delineation soil sample locations are depicted on Figure 2. Laboratory analytical results indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria in the delineation soil samples. Based on depths up to 14 feet bgs for the delineation samples collected on the well pad and analytical results compliant with the Closure Criteria, no further vertical delineation sampling appeared warranted on the well pad. However, on June 22, 2021, WSP personnel returned to the Site to collect additional vertical delineation samples from the pasture area west of the pad, since previous boreholes were advanced to a maximum depth of 2 feet bgs in the pasture. Five boreholes were advanced via hand auger in the pasture west of the pad at the original BH08 through BH12 borehole locations. Delineation samples BH08A through BH12A were collected from the boreholes from a depth of 4 feet bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation soil sample locations are depicted on Figure 2.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (USEPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following USEPA Method 8015M/D; and chloride following USEPA Method 300.0.

Laboratory analytical results for delineation samples BH08A through BH12A, collected in the pasture from a depth of 4 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. The soil sample analytical results are summarized on Table 1 and the complete laboratory analytical reports are included in Attachment 3.

vsp

District II Page 4

CLOSURE REQUEST

Site assessment and soil sampling activities were completed within the release areas on the well pad and adjacent pasture to assess for soil impacts resulting from five historical releases at the Site. Laboratory analytical results for the delineation soil samples collected on the well pad from boreholes BH01 through BH07, BH13 through BH16, and potholes PH17 through PH24, from depths ranging from 1-foot to 14 bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for the delineation soil samples collected in the adjacent pasture from boreholes BH08 through BH12, from depths ranging from 2 feet to 4 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, laboratory analytical results indicated that chloride concentrations were below 600 mg/kg in the soil samples collected from the top four feet of pasture areas.

Initial response efforts, natural attenuation, and presumed historical excavation of impacted soil have mitigated impacts at this Site. Based on the confirmed depth to water greater than 100 feet bgs and laboratory analytical results below the Closure Criteria in the delineation soil samples, XTO respectfully requests no further action for RP Number/Incident Number 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096 or Ashley.Ager@wsp.com.

Sincerely,

WSP USA, INC.

Elizabeth Naka

Elizabeth Naka Assistant Consultant

Ashley L. Ager, P.G.

Ashley Y. Ager, P.G. Managing Director, Geologist

cc: Adrian Baker, XTO Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Attachment 1	Well Record and Log

Received by OCD: 8/6/2021 8:09:36 AM



District II Page 5

Attachment 2 Lithologic/Soil Sampling Logs Attachment 3 Laboratory Analytical Reports Received by OCD: 8/6/2021 8:09:36 AM

FIGUR

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2RP-1383/nJMW1231129593, & 2RP-2264/nHMP1441828179

EDDY COUNTY, NEW MEXICO

XTO ENERGY, INC.



TABLES

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Table 1

Soil Analytical Results PLU Delaware C SWD Battery/Delaware C Tank Battery

Remdiation Permit Numbers and Incident Numbers: 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008,

2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179

Eddy County, New Mexico

Sample ID Sample Date Sample Depth (ft bgs)		Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Sam	ples									
BH01	08/17/2018	14	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	77.2
BH02	08/17/2018	5.5	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	74.4
BH03	08/17/2018	4	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	51.7
BH04	08/17/2018	9.5	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	188
BH05	08/17/2018	6	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	<15.0	172
BH06	08/17/2018	9	<0.00200	<0.00200	<15.0	<15.0	<15.0	<15.0	<15.0	71.6
ВН07	08/17/2018	12	<0.00200	<0.00200	<14.9	<14.9	<14.9	<14.9	<14.9	2,550
BH08	08/20/2018	2	<0.00202	<0.00202	<15.0	<15.0	<15.0	<15.0	<15.0	24.1*
BH08A	06/22/2021	4	<0.00198	0.131	<50.0	<50.0	<50.0	<50.0	<50.0	30.1
ВН09	08/20/2018	2	<0.00202	<0.00202	<14.9	<14.9	<14.9	<14.9	<14.9	<1.00*
BH09A	06/22/2021	4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	28.0
BH10	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	3.07*
BH10A	06/22/2021	4	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	989
BH11	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	147*
BH11A	06/22/2021	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	1180
BH12	08/20/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	500*
BH12A	06/22/2021	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	1410
BH13	08/20/2018	12	<0.00201	<0.00201	<15.0	<15.0	<15.0	<15.0	<15.0	90.0
BH14	08/21/2018	3	<0.00199	<0.00199	<15.0	60.7	<15.0	60.7	60.7	317
BH15	08/21/2018	2	<0.00199	<0.00199	<15.0	<15.0	<15.0	<15.0	<15.0	1,080
BH16	08/21/2018	2	<0.00201	<0.00201	<14.9	20.6	<14.9	20.6	20.6	453

Table 1

Soil Analytical Results PLU Delaware C SWD Battery/Delaware C Tank Battery

Remdiation Permit Numbers and Incident Numbers: 2RP-1205/nJMW1219345739, 2RP-1304/nJMW1228428008, 2RP-1305/nJMW1228429248, 2RP-1383/nJMW1231129593, and 2RP-2264/nHMP1441828179

Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Sam	ples									
PH17	10/24/2019	1	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	912
PH17A	10/24/2019	2	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	577
PH18	10/24/2019	1	<0.00208	<0.00208	<50.0	<50.0	<50.0	<50.0	<50.0	519
PH18A	10/24/2019	2	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	13.8
PH19	10/24/2019	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	614
PH19A	10/24/2019	2	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	16.3
PH20	10/24/2019	1	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	579
PH20A	10/24/2019	2	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	1,200
PH21	10/24/2019	1	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	833
PH21A	10/24/2019	2	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	1,480
PH22	10/24/2019	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,060
PH22A	10/24/2019	2	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	931
PH23	10/24/2019	1	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	1,260
PH23A	10/24/2019	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	1,260
PH24	10/24/2019	1	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	384
PH24A	10/24/2019	2	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	319

Notes:

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

* - indicates sample was collected in the top 4 feet of pasture. Closure criteria for chloride is 600 mg/kg.

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2904 W 2nd St. Roswell, NM 88201 volce: 575.624.2420 fax: 575.624.2421 www.atkinseng.com

06/09/2021

DII-NMOSE 1900 W 2nd Street Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4526 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4526 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Grow Middlin

Lucas Middleton

Enclosures: as noted above

Standard and the sec



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD NO	(WELL NO	.)		WELL TAG ID NO.			OSE FILE NO(8). C-4526				
TION	WELL OWN	R NAME/S			ш/а		-	PHONE (OPTI	ONAL)			
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IOIT	DRILLING F	LUID:	AIR	∫ MUD	ADDITIV	ES – SPEC	IFY:					
RMA	DRILLING M	ETHOD:	ROTARY	HAMME	R CABLE T	OOL	V OTHE	R – SPECIFY:	Hollo	w Stem	Auger	
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LOC	ATION				10010			WELL TAG I	D NO.		PAGE	1 OF 2

DEPTH (fe	et bgl)		COLOR AND TYPE OF MATERIAL EN	COUNTERED -	WATER	ESTIMATED
FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR (attach supplemental sheets to fully des	a FRACTURE ZONES	BEARING? (YES / NO)	WATER- BEARING ZONES (gpm)
0	4	4	SAND, poorly graded, fine-very grained, Re	eddish-brown, dry	Y VN	
4	12	8	CALICHE, poorly-mod. consolidated, ta	n-off white, dry	Y √N	
12	19	7	SAND, poorly graded, fine-very grained, some of	aliche gravel, Tan ,dry	Y √N	
19	24	5	SAND, poorly graded, fine-very grained, some calicl	he gravel, Light- Brown, d	ry Y √N	
24	72	48	SAND, poorly graded, fine-very grained, Rea	ddish Brown, moist	Y √N	
72	92	20	SAND, poorly graded, fine-very grained, some sil	t, Reddish Brown, moist	Y √N	
92	102	10	SILTY SAND, poorly graded, fine-very grained,	, Reddish Brown, moist	Y √N	
102	105	3	SILTY SAND, poorly graded, fine-very grained	l, Reddish Brown, dry	Y √N	
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WELL TEST	TEST STAR	RESULTS - ATT T TIME, END TI	ACH A COPY OF DATA COLLECTED DURING W ME, AND A TABLE SHOWING DISCHARGE AND	DRAWDOWN OVER T	HE TESTING PERIO	D.
MISCELLAN	EOUS INI	⁷ ORMATION: T fe L	emporary well materials removed and the soil bo et below ground surface, then hydrated bentonits ogs adapted from WSP on-site geologist.	oring backfilled using d e chips from ten feet be	rill cuttings from tot low ground surface	al depth to ten to surface.
PRINT NAM	E(S) OF D	RILL RIG SUPE	RVISOR(S) THAT PROVIDED ONSITE SUPERVIS	ION OF WELL CONSTR	UCTION OTHER TH	AN LICENSEE:
Shane Eldrid	ge, Carme	elo Trevino, Car	neron Pruitt			
THE UNDER CORRECT RI AND THE PE	SIGNED I ECORD O RMIT HO	HEREBY CERTI F THE ABOVE I LDER WITHIN	FIES THAT, TO THE BEST OF HIS OR HER KNO DESCRIBED HOLE AND THAT HE OR SHE WILL 30 DAYS AFTER COMPLETION OF WELL DRILL	WLEDGE AND BELIEF, . FILE THIS WELL RECO ING:	THE FOREGOING IS ORD WITH THE STA	S A TRUE AND TE ENGINEER
	bina.		Jackie D. Atkins		06/09/2021	
Jack At				- L		
Jack At	SIGNAT	URE OF DRILL	ER / PRINT SIGNEE NAME		DATE	
Jack At	SIGNAT AL USE	URE OF DRILLI	ER / PRINT SIGNEE NAME	WR-20 WELL F	DATE ECORD & LOG (Ver	sion 06/30/2017
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PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

Stat	te Engineer Wel	Number: <u>C-4</u>	526-POD1								
We	ll owner: XTO	ENERGY (Kyle	Littrell)			-0	Phone	No.: 432	.682.8873		
Mai	iling address: 6	401 Holiday Hil	l Dr.								
City	y: Midland			State:		Tex	as		_ Zip cod	le: 79707	
II.	WELL PLUGO	GING INFOR	MATION:								
1)	Name of w	ell drilling con	npany that plug	gged well:	Jackie D. A	Atkins (At	kins En	gineering	Associate	s Inc.)	
2)	New Mexi	co Well Driller	License No.:	1249				_ Expira	tion Date:	04/30/23	3
3)	Well plugg Shane Eid	ing activities v ridge, Carmelo	vere supervised Trevino, Came	l by the follo eron Pruitt	wing well	l driller(s)	/rig suj	pervisor(s)	:		
4)	Date well j	olugging began	. 06/08/202	1	_ Date	well plug	ging co	ncluded:	06/08/20	21	
5)	GPS Well	Location:	Latitude: Longitude: _	32 103	_deg, _deg,	14 55	min, min,	42.15 6.20	_ sec _ sec, WG	S 84	
6)	Depth of w by the follo	ell confirmed a owing manner:	at initiation of weighted tape	plugging as:	105	ft belo	w grou	nd level (b	ogl),		
7)	Static wate	r level measure	d at initiation	of plugging:	n/a	ft bgl					
8)	Date well	olugging plan o	f operations w	as approved	by the Sta	te Engine	er:	4/12/2021			
9)	Were all pl differences	ugging activiti between the a	es consistent v pproved plugg	vith an appro ing plan and	ved plugg the well a	ing plan? s it was p	lugged	Yes (attach ad	_ If not, ditional pa	please ages as ne	describe eded):
1											

Version: September 8, 2009 Page 1 of 2 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15.6 gallons	15.9 gallons	Augers	
	10'-105' Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	
-					
- 					
-					
]	MULTIPLY cubic feet x 7. cubic yards x 201.	BY AND OBTAIN 4805 = gallons 97 = gallons	UDE DI 8	NN 40 2021 942:11)

For each interval plugged, describe within the following columns:

III. SIGNATURE:

I, <u>Jackie D. Atkins</u>, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

06/09/2021 Date

```
Signature of Well Driller
```

Version: September 8, 2009 Page 2 of 2

2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-forsign

Final Audit Report

2021-06-09

Created:	2021-06-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	$CBJCHBCAABAARqNIK9bZ1aR8TqT_nRoFVSc9LoFFimkY$

"2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-for sign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2021-06-09 - 5:43:46 PM GMT- IP address: 69.21.248.123
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2021-06-09 - 5:44:36 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2021-06-09 - 6:44:57 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com) Signature Date: 2021-06-09 - 6:45:44 PM GMT - Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2021-06-09 - 6:45:44 PM GMT

OSE DI JLN 10 2021 #2/16



							В	H or PH Name:	Date:		
					WS	PUSA		В	H08	6/22/2021	
				5	08 West S	Stevens S	Street	S	te Name:	PLU Delaware C	SWD
				Car	lsbad, Ne	w Mexico	88220	R	P or Incident Number:		
								Ľ	FE Job Number:	TE012921022	
		LITH	OLOG	SIC / SOIL	. SAMPL	ING LO	G	Le	ogged By LDV/JH	Method: Hand Auger	
Lat/Lo	ong: 9029 -103	919434			Field Scre	ening:		H	ole Diameter:	Total Depth:	
Comm	nents:	.010404			Chionde,	PID	5		4 		
40% c	correction fa	actor incl	uded in	chloride cor	centrations	3.					
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	ology/Remarks	
D	1 <179.2	0.7	N	BH08 BH08A	2'		SC	2': Reddis 4': Clayey <u>cohesiven</u> T	n brown clay with s sand, fine grain, p <u>ess, dark brown-re</u> otal Depth @ 4 fee	silt oorly graded, poor plastic ad, dry, no odor, no stain at bgs	sity, no
						- 6 - 7 - 8 - 9 - 10 - 11 - 12					

								BH or PH Name: Date:
					WS	PUSA		BH09 6/22/2021
				5	08 West S	Stevens S	Street	Site Name: PLU Delaware C SWD
				Car	lsbad, Ne	w Mexico	88220	RP or Incident Number:
								LTE Job Number: TE012921022
		LITH	OLOG	IC / SOIL	SAMPL	ING LO	G	Logged By LDV/JH Method: Hand Auger
Lat/Lo	ng:	040404			Field Scre	ening:		Hole Diameter: Total Depth:
32.248 Comm	3950, -103.	.919401			Chloride,	PID	3" 4'	
40% c	orrection fa	actor inclu	uded in	chloride cor	centrations	6.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	1	1.0	Z	BH09 BH09A	2' - - - - - - - - - - - - - - - - - - -		SC	2': Reddish brown clay with silt 4': Clavey sand, fine grain, poorly graded, poor plasticity, no
D	<179.2	0.0		БПОЭА	4 -	- 4	30	cohesiveness, dark brown-red, dry, no odor, no stain Total Depth @ 4 feet bgs
					- - - -	5		
						- 7		
						8		
					-	9		
						10		
					- - - -	11		

									BH or PH Name:	Date:	
					WS	PUSA			BH10	6/22/2021	
				5	08 West S	Stevens S	Street		Site Name:	PLU Delaware C SWD	
				Car	lsbad, Ne	w Mexico	88220		RP or Incident Number:		
									LTE Job Number:	TE012921022	
		LITH	OLOG	SIC / SOIL	. SAMPL	ING LO	G		Logged By LDV/JH	Method: Hand Auger	
Lat/Lo	ng: 2893 -103	919488			Field Scre	ening:			Hole Diameter:	Total Depth:	
Comm	ients:	.010400			Chionae,	PID		5	4		
40% c	orrection f	actor inclu	uded in	chloride con	centrations	s.		1			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	ology/Remarks	
D	1	1.9	N	BH10 BH10A	2' 		SC	2': Redd	sh brown clay with s y sand, fine grain, p <u>eness, dark brown-ra</u> Total Depth @ 4 fea	silt oorly graded, poor plasticity, no ad, dry, no odor, no stain et bgs	
						- 10 - 11 - 11					
					-	12					

_		_	_			5.110.4			BH or PH Name:		Date:
					WS	PUSA			BH11		6/22/2021
				5	08 West S	Stevens S	Street		Site Name:		PLU Delaware C SWD
				Car	lsbad, Ne	w Mexico	88220		RP or Incident Numbe	er:	
		1.0000.00			0.411-1-1		-		LTE Job Number:		TE012921022
1 at/1 a		LITH	OLOG	SIC / SOIL	SAMPL		G		Logged By LDV/JH		Method: Hand Auger
32.248	ng: 588, -103	.919394			Chloride,	PID			3"		4'
Comments:											
40% C0	orrection to	actor incli	Jaea In	chioride con	centrations	3.	~	1			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Roch Symbol		Lit	thology/R	emarks
D	1	1.4	Ν	BH11	2'			2': Redd	ish brown clay with	h silt	
D	1,181	0.0	Ν	BH11A	4'	4	SM	4': Silty s	and, medium-fine siveness, few calic Total Depth @ 4 f	e grain, me <u>che grave</u> feet bas	edium graded, poor plasticity, I light brown, dry, no odor
						5 6 7 8 9 10 11 11			Total Depth @ 4 f	feet bgs	

								BH or PH Name:	Date:	
					WS	SP USA			BH12	6/22/2021
				5	08 West 3	Stevens S	Street		Site Name:	PLU Delaware C SWD
				Car	lsbad, Ne	w Mexico	88220		RP or Incident Number:	
									LTE Job Number:	TE012921022
		LITH	OLOG	SIC / SOIL	. SAMPL	ING LO	G		Logged By LDV/JH	Method: Hand Auger
Lat/Lo	ng: 3657 -103	919354			Field Scre	ening:			Hole Diameter:	Total Depth:
Comm	nents:	.010004			Chionde,	PID		5	4 <u>1</u>	
40% c	orrection f	actor inclu	uded in	chloride con	centrations	s.		1		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	ology/Remarks
D	2	1.8	ZZ	BH12 BH12A	2'		SM	2': Redd	ish brown clay with s and, medium-fine g <u>siveness, few calich</u> Total Depth @ 4 fee	silt rain, medium graded, poor plasticity, <u>e qravel light brown, dry, no odor</u> et bgs
					- - -	12				

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Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-857-1

Client Project/Site: PLU Delaware C SWD

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Aimee Cole

KRAMER

Authorized for release by: 6/29/2021 1:53:21 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossarv

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Client: WSP US Project/Site: PL	SA Inc. .U Delaware C SWD	Job ID: 890-857-1	2
Qualifiers			2
GC VOA			5
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		_
S1-	Surrogate recovery exceeds control limits, low biased.		5
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA			
Qualifier	Qualifier Description		
	Indicates the analyte was analyzed for but not detected.		
	······		0
HPLC/IC Qualifier	Qualifier Description		0
	dualitier Description		
0			9
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		
CFU	Colony Forming Unit		
CNF	Contains No Free Liquid		4.5
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC			
KEK	Relative Error Ratio (Radiochemistry)		
KL	Reporting Limit or Requested Limit (Radiochemistry)		
RPD	Relative Percent Difference, a measure of the relative difference between two points		

TEQ Toxicity Equivalent Quotient (Dioxin) TNTC Too Numerous To Count

Toxicity Equivalent Factor (Dioxin)

TEF

Job ID: 890-857-1

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4

Job ID: 890-857-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-857-1

Receipt

The samples were received on 6/23/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6° C

Receipt Exceptions

The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH08A (890-857-1), BH09A (890-857-2), BH11A (890-857-3) and BH12A (890-857-4). BTEX8021

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Job ID: 890-857-1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Client S	Sample	ID: B	H08A
----------	--------	-------	------

Date Collected: 06/22/21 14:08 Date Received: 06/23/21 10:15

Sample Depth: - 4

1,4-Difluorobenzene (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Toluene	0.0133		0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Ethylbenzene	0.0230	F1	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
m-Xylene & p-Xylene	0.0648	F1	0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
o-Xylene	0.0297	F1	0.00198	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Xylenes, Total	0.0945	F1	0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Total BTEX	0.131		0.00396	mg/Kg		06/24/21 13:04	06/24/21 23:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130			06/24/21 13:04	06/24/21 23:40	1

70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

110

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/24/21 10:16	06/24/21 17:42	1
o-Terphenyl	97		70 - 130	06/24/21 10:16	06/24/21 17:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		5.00	mg/Kg			06/28/21 21:50	1

Client Sample ID: BH09A Date Collected: 06/22/21 14:12

Date Received: 06/23/21 10:15

Sample Depth: - 4

Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			06/24/21 13:04	06/25/21 00:00	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130			06/24/21 13:04	06/25/21 00:00	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-857-1 Matrix: Solid

06/24/21 13:04 06/24/21 23:40

Matrix: Solid

Lab Sample ID: 890-857-2

1

5

RL

Unit

D

Prepared

Dil Fac

Job ID: 890-857-1

Lab Sample ID: 890-857-2

Analyzed

Matrix: Solid

Result Qualifier <50.0 U 50.0 06/24/21 10:16 06/24/21 18:03 Gasoline Range Organics mg/Kg Diesel Range Organics (Over <50.0 U 50.0 06/24/21 10:16 06/24/21 18:03 mg/Kg Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/24/21 10:16 06/24/21 18:03 <50.0 U 50.0 mg/Kg 06/24/21 10:16 06/24/21 18:03 %Recovery Qualifier Limits Prepared Analyzed Dil Fac 100 70 - 130 06/24/21 10:16 06/24/21 18:03 103 70 - 130 06/24/21 10:16 06/24/21 18:03 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil Fac 28.0 4.97 mg/Kg 06/28/21 22:04 1 **Client Sample ID: BH11A** Lab Sample ID: 890-857-3 Date Collected: 06/22/21 15:25 Matrix: Solid Date Received: 06/23/21 10:15 Method: 8021B - Volatile Organic Compounds (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg 1 <0.00202 U 0.00202 06/24/21 13:04 06/25/21 00:21 mg/Kg 0.00403 06/24/21 13:04 06/25/21 00:21 <0.00403 U mg/Kg 1 <0.00202 U 0.00202 mg/Kg 06/24/21 13:04 06/25/21 00:21 <0.00403 U 0.00403 mg/Kg 06/24/21 13:04 06/25/21 00:21 1 <0.00403 U 0.00403 mg/Kg 06/24/21 13:04 06/25/21 00:21 1 %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 121 70 - 130 06/24/21 13:04 06/25/21 00:21 1 06/24/21 13:04 1,4-Difluorobenzene (Surr) 105 70 - 130 06/25/21 00:21 1 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 mg/Kg 06/24/21 10:16 06/24/21 18:24 49.9 **Diesel Range Organics (Over** <49.9 U mg/Kg 06/24/21 10:16 06/24/21 18:24 1

Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 10:16	06/24/21 18:24	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 10:16	06/24/21 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			06/24/21 10:16	06/24/21 18:24	1
o-Terphenyl	96		70 - 130			06/24/21 10:16	06/24/21 18:24	1
 Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		5.01	ma/Ka			06/28/21 22:08	1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Client Sample ID: BH09A

Date Collected: 06/22/21 14:12 Date Received: 06/23/21 10:15

Sample Depth: - 4

Analyte

C10-C28)

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Total BTEX

Surrogate

Analyte

(GRO)-C6-C10

C10-C28)

m-Xylene & p-Xylene

Sample Depth: - 4

1-Chlorooctane

(GRO)-C6-C10

Released to Ima	ging: 7/11/.	2023 3:55:11 PM	
-----------------	--------------	-----------------	--

Job ID: 890-857-1

Lab Sample ID: 890-857-4

Matrix: Solid

5

Client Sample ID: BH12A Date Collected: 06/22/21 15:06 Date Received: 06/23/21 10:15

Project/Site: PLU Delaware C SWD

Sample Depth: - 4

Client: WSP USA Inc.

Analyte	Result	Qualifier	RI	Unit	п	Prenared	Analyzed	Dil Fac
	< <u></u>			0mt		06/24/21 13:04	06/25/21 00:41	1
	<0.00200	0	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 00:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			06/24/21 13:04	06/25/21 00:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130			06/24/21 13:04	06/25/21 00:41	1
Method: 8015B NM - Diesel Rang Analyte	ge Organics (D Result	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 18:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			06/24/21 10:16	06/24/21 18:45	1
o-Terphenyl	97		70 - 130			06/24/21 10:16	06/24/21 18:45	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
		o			_			

Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1410	5	.04	mg/Kg			06/28/21 22:13	1

Eurofins Xenco, Carlsbad

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-857-1	BH08A	129	110	
890-857-1 MS	BH08A	132 S1+	109	
890-857-1 MSD	BH08A	122	108	
890-857-2	BH09A	131 S1+	69 S1-	
890-857-3	BH11A	121	105	
890-857-4	BH12A	123	105	
LCS 880-4588/1-A	Lab Control Sample	118	108	
LCSD 880-4588/2-A	Lab Control Sample Dup	115	110	
MB 880-4552/5-A	Method Blank	114	95	
MB 880-4588/5-A	Method Blank	102	95	
.				
Surrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Matrix: Solid

VI	a	u	IX.	3011 0	
_					

			Percent Surrogate Recovery (Acceptance Limits)
	1CO1	OTPH1	
Client Sample ID	(70-130)	(70-130)	
BH08A	96	97	
BH09A	100	103	
BH11A	96	96	
BH12A	95	97	
Lab Control Sample	109	106	
Lab Control Sample Dup	108	103	
Method Blank	102	107	
	Client Sample ID BH08A BH09A BH11A BH12A Lab Control Sample Lab Control Sample Dup Method Blank	Client Sample ID1CO1BH08A96BH09A100BH11A96BH12A95Lab Control Sample109Lab Control Sample Dup108Method Blank102	Client Sample ID 1CO1 (70-130) OTPH1 (70-130) BH08A 96 97 BH09A 100 103 BH11A 96 96 BH12A 95 97 Lab Control Sample 109 106 Lab Control Sample Dup 108 103 Method Blank 102 107

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4552/5-A Matrix: Solid									Client Sa	ample ID: Metho Prep Type:	od Blank
Analysis Batch: 4554										Pren Bat	ch: 4552
Analysis Baten. 4004	МВ	мв								Thep But	
Analyte	Result	Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/l	(g	_	06/2	4/21 08:50	06/24/21 12:30	1
Toluene	<0.00200	U	0.00200		mg/l	ر م		06/2	24/21 08:50	06/24/21 12:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/ł	د رو		06/2	24/21 08:50	06/24/21 12:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/ł	۰- ۲		06/2	24/21 08:50	06/24/21 12:30	1
o-Xylene	<0.00200	U	0.00200		mg/l	ر م		06/2	24/21 08:50	06/24/21 12:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/ł	- Kg		06/2	24/21 08:50	06/24/21 12:30	1
Total BTEX	<0.00400	U	0.00400		mg/ł	ر رو		06/2	24/21 08:50	06/24/21 12:30	1
					Ū						
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130					06/2	24/21 08:50	06/24/21 12:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130					06/2	24/21 08:50	06/24/21 12:30	1
Lab Sample ID: MB 880-4588/5-A									Client Sa	ample ID: Metho	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 4554										Prep Bat	ch: 4588
	МВ	МВ								-	
Analyte	Result	Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/ł	٢g	_	06/2	24/21 13:04	06/24/21 23:18	1
Toluene	<0.00200	U	0.00200		mg/ł	٢g	06/24/21 13:04		24/21 13:04	06/24/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/ł	ıg/Kg 06/24/21 13:04		06/24/21 23:18	1		
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/ł	٢g	g 06/24/21 13:04		24/21 13:04	06/24/21 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/ł	٢g		06/2	24/21 13:04	06/24/21 23:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/ł	٢g		06/2	24/21 13:04	06/24/21 23:18	1
Total BTEX	<0.00400	U	0.00400		mg/ł	٢g		06/2	24/21 13:04	06/24/21 23:18	1
	МВ	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130					06/2	24/21 13:04	06/24/21 23:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130					06/2	24/21 13:04	06/24/21 23:18	1
Lab Sample ID: LCS 880-4588/1-A							С	lient	t Sample	ID: Lab Control	Sample
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 4554										Prep Bat	ch: 4588
-			Spike	LCS	LCS					• %Rec.	
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.1100		mg/Kg			110	70 - 130	
Toluene			0.100	0.1026		mg/Kg			103	70 ₋ 130	
Ethylbenzene			0.100	0.1050		mg/Kg			105	70 - 130	
m-Xylene & p-Xylene			0.200	0.2294		mg/Kg			115	70 ₋ 130	
o-Xylene			0.100	0.1162		mg/Kg			116	70 - 130	

	LCS	LCS LCS covery Qualifier 1 118	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Job ID: 890-857-1

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QC Sample Results

Lab Sample ID: LCSD 880-4588/2-A

Matrix: Solid

Analyte Benzene

Toluene

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 4554

LCSD LCSD

%Recovery Qualifier

115

110

122

108

C) (Cont	inued)								
			Clier	nt Sam	ple ID:	Lab Contro Prep 1	I Sampl ype: To	e Dup tal/NA	
Spike	LCSD	LCSD				Pre %Rec.	p Batch	: 4588 RPD	5
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
0.100	0.1108		mg/Kg		111	70 - 130	1	35	
0.100	0.1029		mg/Kg		103	70 - 130	0	35	
0.100	0.1036		mg/Kg		104	70 - 130	1	35	7
0.200	0.2239		mg/Kg		112	70 - 130	2	35	
0.100	0.1144		mg/Kg		114	70 - 130	2	35	8
Limits									9
70 - 130									
70 - 130									

Lab Sample ID: 890-857-1 MS Matrix: Solid Analysis Batch: 4554

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	< 0.00198	U	0.0996	0.1036		mg/Kg		103	70 - 130
Toluene	0.0133		0.0996	0.09853		mg/Kg		86	70 - 130
Ethylbenzene	0.0230	F1	0.0996	0.1005		mg/Kg		78	70 - 130
m-Xylene & p-Xylene	0.0648	F1	0.199	0.2137		mg/Kg		75	70 - 130
o-Xylene	0.0297	F1	0.0996	0.1093		mg/Kg		80	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-857-1 MSD Matrix: Solid Analysis Batch: 4554

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analysis Batom 4004										p Duton	. 4000
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.09464		mg/Kg		94	70 - 130	9	35
Toluene	0.0133		0.100	0.08528		mg/Kg		72	70 - 130	14	35
Ethylbenzene	0.0230	F1	0.100	0.09115	F1	mg/Kg		68	70 - 130	10	35
m-Xylene & p-Xylene	0.0648	F1	0.200	0.1916	F1	mg/Kg		63	70 - 130	11	35
o-Xylene	0.0297	F1	0.100	0.08692	F1	mg/Kg		57	70 - 130	23	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								

70 - 130

70 - 130

Client Sample ID: BH08	A
Prep Type: Total/N	A
Prep Batch: 458	38

Client Sample ID: BH08A Prep Type: Total/NA

Ξ.			
	Prep	Batch:	4588

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QC Sample Results

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4566/1-4	λ											Client Sa	mple ID:	Metho	d Blank
Matrix: Solid													Prep 1	ype: T	otal/NA
Analysis Batch: 4568													Pre	p Batc	h: 4566
		МВ	MB												
Analyte	R	esult	Qualifier		RL		(Jnit		<u>D</u>	P	repared	Analyz	ed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<	\$0.0	U		50.0		r	ng/Kg			06/2	4/21 10:16	06/24/21	12:07	1
Diesel Range Organics (Over C10-C28)	<	\$0.0	U		50.0		r	ng/Kg			06/2	4/21 10:16	06/24/21	12:07	1
Oll Range Organics (Over C28-C36)	<	50.0	U		50.0		r	ng/Kg			06/2	4/21 10:16	06/24/21	12:07	1
Total TPH	<	\$0.0	U		50.0		r	ng/Kg			06/2	4/21 10:16	06/24/21	12:07	1
Surrogate	%Reco	MB	MB Qualifier	Limi	its						P	renared	Δnalvz	red	Dil Fac
1-Chlorooctane		102	quamer		130						06/2	4/21 10:16	06/24/21	12:07	1
o-Terphenyl		107		70 -	130						06/2	4/21 10:16	06/24/21	12:07	1
Lab Sample ID: LCS 880-4566/2-	A									С	lient	Sample	ID: Lab Co	ontrol	Sample
Matrix: Solid													Prep 1	Type: T	otal/NA
Analysis Batch: 4568													Pre	p Batc	h: 4566
				Spike		LCS	LCS						%Rec.		
Analyte				Added		Result	Qualif	ier	Unit		D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10				1000		1019			mg/Kg			102	70 - 130		
Diesel Range Organics (Over C10-C28)				1000		980.2			mg/Kg			98	70 - 130		
	LCS	LCS													
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	109			70 - 130											
o-Terphenyl 	106			70 - 130											
Lab Sample ID: LCSD 880-4566/	3-A								CI	ient	Sam	ple ID: L	ab Contro	I Samp	ole Dup
Matrix: Solid													Prep 1	ype: T	otal/NA
Analysis Batch: 4568													Pre	p Batc	h: 4566
				Spike		LCSD	LCSD						%Rec.		RPD
Analyte				Added		Result	Qualif	ier	Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10				1000		969.6			mg/Kg			97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)				1000		963.7			mg/Kg			96	70 - 130	2	20
	LCSD	LCS	D												
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	108			70 - 130											
o-Terphenyl	103			70 - 130											
- Method: 300.0 - Anions, Ion	Chromat	ogr	aphy												
- Lab Sample ID: MR 880-4581/4-4												Client Sa	mnle ID:	Mothor	d Blank
Matrix: Solid	`											Sherit 38	Prop	Type	Soluble
Analysis Batch: 1656													Fieb	Type.	Soluble
Analysis Daten. 4000		MR	MB												
Analyte	D	three	Qualifier		RI			Init		р	P	renared	Analyz	ed	Dil Fac
Chloride	<	5.00	U		5.00		r	na/Ka		_			06/28/21	21:37	1

Job ID: 890-857-1

Job ID: 890-857-1

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4581/2- Matrix: Solid	Α						Client	Sample	e ID: Lab C Prep	ontrol Sa Type: So	ample oluble
Analysis Batch: 4656									~-		
			Spike	LCS	LCS		_	~ =	%Rec.		
Analyte			Added	Result	Qualifier	Unit	<u>D</u>	%Rec	Limits		
Chloride			250	242.5		mg/Kg		97	90 - 110		
Lab Sample ID: LCSD 880-4581/3	3-A					Clie	ent Sam	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 4656											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			252	245.5		mg/Kg		97	90 - 110	1	20
Γ											
Lab Sample ID: 890-857-1 MS									Client Sam	ple ID: E	BH08A
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 4656											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	30.1		250	304.0		mg/Kg		110	90 _ 110		
Γ											
Lab Sample ID: 890-857-1 MSD									Client Sam	ple ID: E	BH08A
Matrix: Solid									Prep	Type: So	oluble
Analysis Batch: 4656											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	30.1		250	304.4		mg/Kg		110	90 _ 110	0	20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

GC VOA

Prep Batch: 4552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4552/5-A	Method Blank	Total/NA	Solid	5035	
Analysis Batch: 4554					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8021B	4588
890-857-2	BH09A	Total/NA	Solid	8021B	4588
890-857-3	BH11A	Total/NA	Solid	8021B	4588
890-857-4	BH12A	Total/NA	Solid	8021B	4588
MB 880-4552/5-A	Method Blank	Total/NA	Solid	8021B	4552
MB 880-4588/5-A	Method Blank	Total/NA	Solid	8021B	4588
LCS 880-4588/1-A	Lab Control Sample	Total/NA	Solid	8021B	4588
LCSD 880-4588/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4588
890-857-1 MS	BH08A	Total/NA	Solid	8021B	4588

Prep Batch: 4588

BH08A

890-857-1 MSD

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	5035	
890-857-2	BH09A	Total/NA	Solid	5035	
890-857-3	BH11A	Total/NA	Solid	5035	
890-857-4	BH12A	Total/NA	Solid	5035	
MB 880-4588/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4588/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4588/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-857-1 MS	BH08A	Total/NA	Solid	5035	
890-857-1 MSD	BH08A	Total/NA	Solid	5035	

Total/NA

Solid

8021B

GC Semi VOA

Prep Batch: 4566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8015NM Prep	
890-857-2	BH09A	Total/NA	Solid	8015NM Prep	
890-857-3	BH11A	Total/NA	Solid	8015NM Prep	
890-857-4	BH12A	Total/NA	Solid	8015NM Prep	
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4568

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-857-1	BH08A	Total/NA	Solid	8015B NM	4566
890-857-2	BH09A	Total/NA	Solid	8015B NM	4566
890-857-3	BH11A	Total/NA	Solid	8015B NM	4566
890-857-4	BH12A	Total/NA	Solid	8015B NM	4566
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015B NM	4566
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4566
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4566

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4588

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

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4581

HPLC/IC Leach Batch: 4581

890-857-1 MSD

BH08A

Lab Sample ID **Client Sample ID** Matrix Method Prep Batch Prep Type 890-857-1 BH08A Soluble Solid DI Leach 890-857-2 BH09A Soluble Solid DI Leach 890-857-3 BH11A Soluble Solid DI Leach 890-857-4 BH12A Soluble Solid DI Leach MB 880-4581/1-A Method Blank Soluble Solid DI Leach LCS 880-4581/2-A Lab Control Sample Soluble Solid DI Leach LCSD 880-4581/3-A Lab Control Sample Dup Soluble Solid DI Leach 8 890-857-1 MS BH08A Soluble Solid DI Leach 890-857-1 MSD BH08A Soluble Solid DI Leach Analysis Batch: 4656 Lab Sample ID **Client Sample ID** Prep Type Matrix Method Prep Batch 300.0 890-857-1 BH08A Soluble Solid 4581 890-857-2 BH09A Soluble Solid 300.0 4581 890-857-3 BH11A Soluble Solid 300.0 4581 890-857-4 BH12A Soluble Solid 300.0 4581 MB 880-4581/1-A Method Blank Soluble Solid 300.0 4581 LCS 880-4581/2-A Lab Control Sample Soluble Solid 300.0 4581 LCSD 880-4581/3-A Lab Control Sample Dup Soluble Solid 300.0 4581 890-857-1 MS BH08A Solid 300.0 Soluble 4581

Soluble

Solid

300.0

Eurofins Xenco, Carlsbad

Project/Site: PLU Delaware C SWD

Job ID: 890-857-1

Lab Sample ID: 890-857-1

Lab Sample ID: 890-857-2

Lab Sample ID: 890-857-3

Lab Sample ID: 890-857-4

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Client Sample ID: BH08A Date Collected: 06/22/21 14:08 Date Received: 06/23/21 10:15

Client: WSP USA Inc.

_	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/24/21 23:40	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 17:42	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 21:50	СН	XEN MID

Client Sample ID: BH09A Date Collected: 06/22/21 14:12

Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:00	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:04	СН	XEN MID

Client Sample ID: BH11A

Date Collected: 06/22/21 15:25

Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:21	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:24	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:08	СН	XEN MID

Client Sample ID: BH12A Date Collected: 06/22/21 15:06 Date Received: 06/23/21 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4588	06/24/21 13:04	KL	XEN MID
Total/NA	Analysis	8021B		1	4554	06/25/21 00:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 18:45	AJ	XEN MID
Soluble	Leach	DI Leach			4581	06/24/21 11:59	СН	XEN MID
Soluble	Analysis	300.0		1	4656	06/28/21 22:13	СН	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

857 1

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Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date	
Texas	as NELAP		T104704400-20-21	06-30-21	
	are included in this report by	it the laboratory is not cortif	ind by the governing authority. This list m	av include analytes f	
the agency does not o	ffer certification.		ied by the governing autionty. This list th	ay include analytes in	
the agency does not o Analysis Method	ffer certification. Prep Method	Matrix	Analyte		
the agency does not o Analysis Method 8015B NM	ffer certification . Prep Method 8015NM Prep	Matrix Solid	Analyte Total TPH		

Eurofins Xenco, Carlsbad

Job ID: 890-857-1

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Method Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad
Sample Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-857-1

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12 13 14

Matrix	Collected	Received	Depth	
Solid	06/22/21 14:08	06/23/21 10:15	- 4	
Solid	06/22/21 14:12	06/23/21 10:15	- 4	
Solid	06/22/21 15:25	06/23/21 10:15	- 4	5
Solid	06/22/21 15:06	06/23/21 10:15	- 4	
				8
				9

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-857-1	BH08A	Solid	06/22/21 14:08	06/23/21 10:15	- 4
890-857-2	BH09A	Solid	06/22/21 14:12	06/23/21 10:15	- 4
890-857-3	BH11A	Solid	06/22/21 15:25	06/23/21 10:15	- 4
890-857-4	BH12A	Solid	06/22/21 15:06	06/23/21 10:15	- 4

Eurofins Xenco, Carlsbad

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Hobbs.NM (575-392,7560) Phoenix.AZ (480-355-0900) Atamas GA (770-449-8800) Tampa FL (813-820-2000) Work Order Co Company Name: WSP USA Inc. Company Name: XTO Energy Work Order Co Work Order Co Address: 300 North A Street Address: 3104 E Green Street Project Project Project Project State of Project: State of Project: State of Project: Reporting Level III Pstrue State of Project: Project Name: PLU Delaware C SWD Tum Around Tental@wsp.com; aimee cole@wsp.com Adapter Co Adapter II Pstrue Adapter III Pstrue Adapter IIII Pstrue Adapter IIII
Project Manager: Aimee Cole Bill to: (#different) Kyle Littreli Company Name: WSP USA Inc. Company Name: XTO Energy Address: 3300 North A Street Address: 3104 E Green Street State of Project: City, State ZIP: Midland, TX 79705 City, State ZIP: Carlsbad, NM 88220 State of Project: Project Name: PLU Delaware C SWD Turn Around Project Number: TE012921022 Routine Sampler's Name: Luis Del Val Due Date: Address: No Address Sampler's Name: Luis Del Val Due Date: Address Address Cooler Custody Seals: Yes No Wet Lee: Yes No Cooler Custody Seals: Yes No Correction Factor: 300.457 Chain of Custody Sample Custody Seals: Yes No Total Containers: 300.457 State of Custody
Company Name: WSP USA Inc. Company Name: XTO Energy Program: UST/PST Program: UST/PST Program: UST/PST Program: UST/PST Program: UST/PST Program: UST/PST State of Project: Reporting: Level II State of Project: Reporting: Level III State of Project: Reporting: Level II State of Proje
Address: 3300 North A Street Address: 3104 E Green Street State of Project: City, State ZIP: Midland, TX 79705 City, State ZIP: Carlsbad, NM 88220 Reporting: Level II Project: Phone: 432 236.3849 Email: Luis delval@wsp.com; aimee.cole@wsp.com Period Project: Reporting: Level II Project: Project Name: PLU Delaware C SWD Turn Around ADaPT Project Number: Cost Center: 1060821001 Rush: Reporting: Level II Poliverables: EDD ADaPT Sampler's Name: Luis Del Val Due Date: AMALYSIS REQUEST AMALYSIS REQUEST ADaPT Received Intact: Green Nick Mo Wet Ice: Vis No ADaPT Received Intact: Fis. No Thermometer ID Address. Address. Address. Sample Custody Seals: Yes No NA Conrection Factor. Bool of Custody. Bool of Custody. Bool of Custody. Barber of Custody Seals: Yes No NA Conrection Factor. Bool of Custody. Bool of Custody. Bool of Custody. Bool of Custody. Barber of Custody Seals: Yes No
City, State ZIP: Midland, TX 79705 City, State ZIP: Carlsbad, NM 88220 Reporting: Level II Level III LSTU Phone: 432.236.3849 Email: Luis delval@wsp.com; amee.cole@wsp.com Deliverables: EDD Deliverables: EDD ADaPT Project Name: FUU Delaware C SWD Turn Around Routine ADaPT Project Number: Cost Center: 1080821001 Rush: ADaPT Sampler's Name: Luis Del Val Due Date: ADaPT Sampler's Name: Luis Del Val Due Date: ADaPT Received Intact: Fis. No Wet loe: Vis. No No Received Intact: Fis. No Correction Factor: Bis. Correction Factor: Bis. Correction Factor: Sample Custody Seals: Yes. No NiA Correction Factor: Bis. Correction Factor: Bis. Correction Factor: Sample Custody Seals: Yes. No NiA Correction Factor: Bis. Correction Factor: Bis. Correction Factor: Bis. Correction Factor:
Phone: 432 236 3649 Email: Luis delval@wsp.com; amee.cole@wsp.com Deliverables: EDD ADaPT Project Name: PLU Delaware C SWD Turn Around ANALYSIS REQUEST Project Number: TED12921022 Routine Analysis ANALYSIS REQUEST P.O. Number: Cost Center: 1080821001 Rush: ANALYSIS REQUEST ANALYSIS REQUEST P.O. Number: Cost Center: 1080821001 Rush: Analysis Analysis Sampler's Name: Luis Del Val Due Date: Analysis Analysis Sampler Custody Seals: Yes No Wet Ice: Yes No Sample Custody Seals: Yes NA Correction Factor: B00-857 Chain of Custody K (EPA 8015) X B00-857 Chain of Custody B00-857 Chain of Custody
Project Name: PLU Delaware C SWD Turn Around Project Number: TE012921022 Routine P.O. Number: Cost Center: 1080821001 Rush: Sampler's Name: Luis Del Val Due Date: Sampler's Name: Luis Del Val Due Date: Sampler's Name: Luis Del Val Temp Blank: Temperature (°C): Sampler's No Wet Ice: Sample Custody Seals: Yes No Val Correction Factor: No Sample Custody Seals: Yes No Val Correction Factor: 890-857 Chain of Custody K (EPA 0=8021) 890-857 Chain of Custody
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Sampler's Name: Luis Del Val Due Date: SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No Received Intact: Yes No Thermometer ID Thermometer ID Received Intact: Yes No Vet Ice: Yes No Sample Custody Seals: Yes Yes No Vet Ice: Yes No Image: Cooler Custody Seals: Yes Yes No Correction Factor: Image: Containers Image: Cooler Custody Seals: Yes No NA Correction Factor: Image: Containers Image: Custody Seals: Yes No NA Correction Factor: Image: Custody Image: Custody Seals: Yes No NA Correction Factor: Image: Custody Image: Custody Seals: Yes No NA Correction Factor: Image: Custody Image: Custody Seals: Yes No NA Statistical Containers Image: Custody Seals: Yes No No Statistical Containers Image: Custody Seals: Yes No No Statistical Containers
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Cooler Custody Seals: Yes No N/A Correction Factor: Sample Custody Seals: Yes No N/A Correction Factor: Image: Custody Seals: Yes No N/A Total Containers: Image: Custody Seals: Image: Custody Seals: Total Containers: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image: Custody Seals: Image:
Date Time Date Time
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Sample Identification Matrix Sampled Sampled Depth N TP B Chio
BH08A S 6/22/2021 1408 4' 1 X X X
BH09A S 6/22/2021 1412 4' 1 X X X
BH11A S 6/22/2021 1525 4' 1 X X X
BH12A S 6/22/2021 1506 4' 1 X X X
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Ph Mn Mo Ni Se Ag Ti U 163
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Service. A minimum charge of \$75.00 will be applied to aech project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.
Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)
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6/29/2021

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Job Number: 890-857-1 SDG Number:

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 857 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 857

List Number: 2

Job Number: 890-857-1 SDG Number:

List Source: Eurofins Xenco, Midland List Creation: 06/24/21 12:06 PM

Creator: Copeland, Tatiana		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad 1089 N Canal St. Carlsbad, NM 88220 Tel: (575)988-3199

Laboratory Job ID: 890-860-1

Laboratory Sample Delivery Group: TE012921022 Client Project/Site: PLU Delaware C SWD

For:

WSP USA Inc. 2777 N. Stemmons Freeway Suite 1600 Dallas, Texas 75207

Attn: Aimee Cole

RAMER

Authorized for release by: 6/29/2021 7:59:46 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

LINKS **Review your project** results through Total Access **Have a Question?** Ask-The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 7/11/2023 3:55:11 PM

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Laboratory Job ID: 890-860-1 SDG: TE012921022

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: PLU Delaware C SWD

Job ID: 890-860-1 SDG: TE012921022

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	4
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		8
Abbreviation	These commonly used abbreviations may or may not be present in this report.	9
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	1
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	1,
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	

MQL	Method Quantitation Limit
NC	Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent

POS Positive / Present

PQL Practical Quantitation Limit PRES Presumptive

Quality Control QC

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-860-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-860-1

Comments

No additional comments.

Receipt

The sample was received on 6/23/2021 10:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.6° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH01A (890-860-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4688 and analytical batch 880-4689 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Job ID: 890-860-1 SDG: TE012921022

Lab Sample ID: 890-860-1

Client Sample ID: BH01A

Project/Site: PLU Delaware C SWD

Date Collected: 06/22/21 14:40 Date Received: 06/23/21 10:15

Sample Depth: - 4

Client: WSP USA Inc.

	Matrix: Solid

wethod: 8021B - Volatile Organic	c Compounds ((UU)	-		-	D	A	B
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/28/21 11:30	06/28/21 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130			06/28/21 11:30	06/28/21 21:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130			06/28/21 11:30	06/28/21 21:28	1
Gasoline Range Organics	Kesult <50.0	U	KL	Unit ma/Ka	<u> </u>	06/24/21 10:16	06/24/21 19:06	1 Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 10:16	06/24/21 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			06/24/21 10:16	06/24/21 19:06	1
o-Terphenyl	89		70 - 130			06/24/21 10:16	06/24/21 19:06	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	989	·	5.03	mg/Kq		· <u>······</u> ·	06/29/21 10:22	1

Job ID: 890-860-1 SDG: TE012921022

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
890-860-1	BH01A	117	99		
LCS 880-4688/1-A	Lab Control Sample	99	94		6
LCSD 880-4688/2-A	Lab Control Sample Dup	98	93		
MB 880-4688/5-A	Method Blank	111	92		
Surrogate Legend	enzene (Surr)				8
DEP7 = 1.4 Diffuorobo					
					C
Method: 8015B NM	I - Diesel Range Organics	s (DRO) (GC	;)		
Matrix: Solid				Prep Type: Total/NA	

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-860-1	BH01A	89	89	
LCS 880-4566/2-A	Lab Control Sample	109	106	
LCSD 880-4566/3-A	Lab Control Sample Dup	108	103	
MB 880-4566/1-A	Method Blank	102	107	
Surrogate Legend				
1CO = 1-Chlorooctane				

OTPH = o-Terphenyl

QC Sample Results

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4688/5-A Matrix: Solid Analysis Batch: 4689						Client Sar
	MB	МВ				
Analyte	Result	Qualifier	RL	Unit	D	Prepared
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30

	MB	МВ	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCS 880-4688/1-A Matrix: Solid

Analysis Batch: 4689

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09272		mg/Kg		93	70 - 130	
Toluene	0.100	0.1075		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130	
m-Xylene & p-Xylene	0.200	0.2345		mg/Kg		117	70 ₋ 130	
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	99		70 - 130			
1,4-Difluorobenzene (Surr)	94		70 - 130			

Lab Sample ID: LCSD 880-4688/2-A Matrix: Solid

Analysis Batch: 4689								Pre	p Batch:	: 4688
		Spike	LCSD	LCSD				%Rec.		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene		0.100	0.09137		mg/Kg		91	70 - 130	1	35
Toluene		0.100	0.1077		mg/Kg		108	70 - 130	0	35
Ethylbenzene		0.100	0.1124		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene		0.200	0.2327		mg/Kg		116	70 - 130	1	35
o-Xylene		0.100	0.1131		mg/Kg		113	70 - 130	1	35
	LCSD LCSD									

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4688

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 4688

Client Sample ID: Method Blank

Analyzed

06/28/21 14:45

06/28/21 14:45

06/28/21 14:45

06/28/21 14:45

06/28/21 14:45

06/28/21 14:45

06/28/21 14:45

Analyzed

06/28/21 14:45

06/28/21 14:45

Prepared

06/28/21 11:30

06/28/21 11:30

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Dil Fac

1

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Dil Fac

QC Sample Results

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-4566/1-A												Client Sa	mple ID:	Metho	d Blank
Matrix: Solid													Prep [·]	Type: 1	otal/NA
Analysis Batch: 4568													Pre	p Bato	:h: 4566
-		ΜВ	MB											· · · ·	
Analyte	Re	sult	Qualifier		RL			Unit		D	P	repared	Analy	zed	Dil Fac
Gasoline Range Organics	<	50.0	U		50.0			mg/Kg		_	06/2	4/21 10:16	06/24/21	12:07	1
(GRO)-C6-C10 Diesel Range Organics (Over	<	50.0			50.0			ma/Ka			06/2	4/21 10:16	06/24/21	12.07	1
C10-C28)		50.0	0		50.0			ing/itg			00/2	4/21 10.10	00/24/21	12.07	1
Oll Range Organics (Over C28-C36)	<	50.0	U		50.0			mg/Kg			06/2	4/21 10:16	06/24/21	12:07	1
Total TPH	<	50.0	U		50.0			mg/Kg			06/2	4/21 10:16	06/24/21	12:07	1
		ΜВ	МВ												
Surrogate	%Reco	very	Qualifier	Limit	s						P	repared	Analy	zed	Dil Fac
1-Chlorooctane		102		70 - 1	30						06/2	4/21 10:16	06/24/21	12:07	1
o-Terphenyl		107		70 _ 1	30						06/2	4/21 10:16	06/24/21	12:07	1
Lab Sample ID: LCS 880-4566/2-	A									С	lient	Sample	ID: Lab C	ontrol	Sample
Matrix: Solid													Prep ⁻	Type: 1	Total/NA
Analysis Batch: 4568													Pre	p Bato	:h: 4566
				Spike		LCS	LCS						%Rec.		
Analyte				Added		Result	Quali	fier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1019			mg/Kg			102	70 - 130		
Diesel Range Organics (Over C10-C28)				1000		980.2			mg/Kg			98	70 - 130		
	LCS	LCS													
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	109			70 - 130											
o-Terphenyl	106			70 - 130											
l ab Sample ID: LCSD 880-4566/3	8-A								Cli	ent	Sam	ple ID: La	ab Contro	ol Sam	nle Dun
Matrix: Solid										•	••••		Pren	Type: 1	
Analysis Batch: 4568													Pre	n Bate	h: 4566
Analysis Baton. 4000				Spike		LCSD	LCSD)					%Rec.	p Dutt	RPD
Analyte				Added		Result	Quali	fier	Unit		D	%Rec	Limits	RPD) Limit
Gasoline Range Organics				1000		969.6			mg/Kg			97	70 - 130	5	5 20
(GRO)-C6-C10															
Diesel Range Organics (Over C10-C28)				1000		963.7			mg/Kg			96	70 - 130	2	2 20
	LCSD	LCS	D												
Surrogate	%Recovery	Qua	lifier	Limits											
1-Chlorooctane	108			70 - 130											
o-Terphenyl	103			70 - 130											
/lethod: 300.0 - Anions, Ion	Chromate	ogr	aphy												
- Lab Sample ID: MB 880-4584/1-A												Client Sa	mple ID:	Metho	d Blank
Matrix: Solid													Pren	Type:	Soluble
Analysis Batch: 4716														.,	
		мв	мв												
Analyte	Re	sult	Qualifier		RL			Unit		D	P	repared	Analy	zed	Dil Fac
Chloride		5.00	U		5.00			mg/Ka		—		<u> </u>	06/29/21	08:59	1

SDG: TE012921022

QC Sample Results

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-860-1 SDG: TE012921022

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4584/2-A Matrix: Solid Analysis Batch: 4716					Client	Sample	e ID: Lab Co Prep	ontrol Sa Type: So	ample oluble
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	244.1		mg/Kg		98	90 - 110		
Lab Sample ID: LCSD 880-4584/3-A Matrix: Solid Analysis Batch: 4716				Client Sample ID: Lab Control Sample Dup Prep Type: Soluble					e Dup oluble
Analysis baten. 4710	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	244.5		mg/Kg		98	90 _ 110	0	20

QC Association Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD Job ID: 890-860-1 SDG: TE012921022

GC VOA

Prep Batch: 4688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-860-1	BH01A	Total/NA	Solid	5035	
MB 880-4688/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4688/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4688/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 4689 – Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-860-1	BH01A	Total/NA	Solid	8021B	4688
MB 880-4688/5-A	Method Blank	Total/NA	Solid	8021B	4688
LCS 880-4688/1-A	Lab Control Sample	Total/NA	Solid	8021B	4688
LCSD 880-4688/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4688

GC Semi VOA

Prep Batch: 4566

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method Prep Batch
890-860-1	BH01A	Total/NA	Solid	8015NM Prep
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015NM Prep
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep

Analysis Batch: 4568

Lab Sample ID 890-860-1	Client Sample ID BH01A	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 4566
MB 880-4566/1-A	Method Blank	Total/NA	Solid	8015B NM	4566
LCS 880-4566/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4566
LCSD 880-4566/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4566

HPLC/IC

Leach Batch: 4584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-860-1	BH01A	Soluble	Solid	DI Leach	
MB 880-4584/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4716

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-860-1	BH01A	Soluble	Solid	300.0	4584
MB 880-4584/1-A	Method Blank	Soluble	Solid	300.0	4584
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	300.0	4584
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4584

Lab Chronicle

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Client Sample ID: BH01A Date Collected: 06/22/21 14:40

Date Received: 06/23/21 10:15

-	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4688	06/28/21 11:30	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/28/21 21:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			4566	06/24/21 10:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 19:06	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	СН	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 10:22	СН	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

 Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-20-21	06-30-21
The following analytes the agency does not o Analysis Method	are included in this report, bu ffer certification. Prep Method	ut the laboratory is not certif Matrix	ied by the governing authority. This list ma	ay include analytes fo
The following analytes the agency does not o Analysis Method 8015B NM	are included in this report, but ffer certification . Prep Method 8015NM Prep	ut the laboratory is not certif <u>Matrix</u> Solid	ied by the governing authority. This list ma Analyte Total TPH	ay include analytes fo

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Job ID: 890-860-1

SDG: TE012921022

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Job ID: 890-860-1 SDG: TE012921022

Method	Method Description	Protocol	Laboratory						
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID	- 					
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID						
300.0	Anions, Ion Chromatography MCAWW XEN MID								
5035	Closed System Purge and Trap	SW846	XEN MID	5					
8015NM Prep	Microextraction	SW846	XEN MID						
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID						
Protocol Refe	rences:								
ASTM = A MCAWW =	STM International = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Mar Tast Mathada For Fusikation Solid Waste Rhusiael/Ohemical Mathada", Third Fol	rch 1983 And Subsequent Revisions.		8					
500846 =	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods, Third Ed	ition, November 1986 And its Opdates.		9					
Laboratory Ro XEN MID	e ferences: = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)70	4-5440		10					
				11					
				13					
				11					

Protocol References:

Laboratory References:

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Sample Summary

Job ID: 890-860-1 SDG: TE012921022

Client: WSP USA Inc. Project/Site: PLU Delaware C SWD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-860-1	BH01A	Solid	06/22/21 14:40	06/23/21 10:15	- 4	
						5
						8
						9
						12
						13

6	1 hor Halles	Relinquished by: (Signature)	Notice: Signature of this document and relin of service. Xenco will be liable only for the of Annon. A minimum charge of \$75.00 will t	Total 200.7 / 6010 200.8 / Circle Method(s) and Metal(s			BH10A	Sample Identification	Sample Custody Seals: Yes V	Cooler Custody Seals: Yes	Received Intact:	Temperature (C): 5.4	Sampler's Name: Luis Del Val	P.O. Number: Cost	Project Number:	Project Name: PLU	Phone: 432.236.3849	City, State ZIP: Midland, TX 7	Address: 3300 North A	Company Name: WSP USA Inc	Project Manager: Aimee Cole			
	m ce	Received by: (Sign	rquishment of samples constitutes a valid cost of samples and shall not assume any be applied to each project and a charge o	1 6020: 8RCRA 1 s) to be analyzed TCLP / 1			S 6/22/2021 1440	Matrix Date Time Sampled Sample	Nd N/A Total Containe	No N/A Correction Fac	N. M. M. M. W.	Thermome		Center: 1080821001	TE012921022	J Delaware C SWD	Em	79705	Street	0		Hobbs,NM (575-:	Hous	
	6	ature)	purchase order from clie responsibility for any lo \$5 for each sample subr	3PPM Texas 11 3PLP 6010 : 8RCR			4	d Depth	0	or:		ce: Tres NO			outine	Turn Around	ail: luis.delval@ws	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	92-7550) Phoenix,AZ	ton,TX (281) 240-4200 and,TX (432-704-5440	
	125/01 1007	Date/Time	nt company to Xenco, its aff sses or expenses incurred b mitted to Xenco, but not anal	Al Sb As Ba Be B A Sb As Ba Be C				TPH (E BTEX (Chlorid	EPA 80	015) 0=80 PA 30	21))0.0)	ers					p.com; aimee.cole@w	Carlsbad, NM 88220	3104 E Green Stree	XTO Energy	Kyle Littrell	(480-355-0900) Atlanta,G/	Dallas,TX (214) 902-0300) EL Paso,TX (915)585-34	Chain of Cu
O I I I I I I I I I I I I I I I I I I I	2 and the	Relinquished by: (Signatu	Tillates and subcontractors. It assigns : y the client if such losses are due to cli yzed. These terms will be enforced unl	Cd Ca Cr Co Cu Fe Pb d Cr Co Cu Pb Mn Mo Ni							800-860 Chai					ANALYSIS REQUE	vsp.com	0				A (770-449-8800) Tampa,FL (813-6;	San Antonio,TX (210) 509-3334 43 Lubbock,TX (806)794-1296	ıstody
	(Ine Little	re) Received by: (Signatu	standard terms and conditions rcumstances beyond the control ess previously negotiated.	Mg Mn Mo Ni K Se Ag SiO2 N: Se Ag TI U 15						or Caccord						ST	Deliverables: EDD	Reporting:Level II Level III LST/	State of Project:	Program: UST/PST PRP Brownf	Work Order C	20-2000) www.xenco.com		Work Order No
Revised Date 051418 Rev 2018	101 2.5.0	re) Date/Time		a Sr TI Sn U V Zn 31/245.1/7478/7471.Hg				Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the	nHMP1441828179	nJMW1231129593	n.IMW/1228429248	n IM/W/1228428008	Incident Numbers:	Work Order Notes	Other:))]	ields RC uperfund	omments	Page 1 of 1	7):

Received by OCD: 8/6/2021 8:09:36 AM



iland,TX (432-704-5440) EL Paso,	Mic		m LD	AT OF	BDR		(Pa
ston,TX (281) 240-4200 Dallas,TX	Hous		D	n	11	X		ge
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11 12 13	9 10	8		5				4

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 860 List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Job Number: 890-860-1

SDG Number: TE012921022

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Answer

True True True

True True True

True

True

True

True

True

True

True

True

True

True

True

True

True

True

Comment

Client: WSP USA Inc.

Job Number: 890-860-1 SDG Number: TE012921022

List Source: Eurofins Xenco, Midland

List Creation: 06/24/21 12:08 PM

Login Numbe List Number:	.ogin Number: 860 .ist Number: 2							
Creator: Copeland, Tatiana								
Question								
The cooler's c	ustody seal, if present, is intact.							
Sample custo	dy seals, if present, are intact.							
The cooler or tampered with	samples do not appear to have been compromised or							
Samples were	ereceived on ice.							
Cooler Tempe	rature is acceptable.							
Cooler Tempe	rature is recorded.							

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC. Samples are received within Holding Time (excluding tests with immediate HTs) Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used. Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Eurofins Xenco, Carlsbad Released to Imaging: 7/11/2023 3:55:11 PM

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	40345
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By	Condition	Condition
		Date
jharimon	None	7/11/2023

CONDITIONS

Action 40345

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