

District I
4625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Otto Naegele
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100
Facility Name: Golden Bear #4	Facility Type: Gas Well

Surface Owner: State	Mineral Owner	API No.: 30-045-29422
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	2	29N	13W	862	FNL	1850	FWL	San Juan

Latitude 36.760134 Longitude -108.177910

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 07/16/2015 1:00PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom?	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3

OCT 01 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* The below grade tank was taken out of service at the Golden Bear #4 well site due to the P&A of this well site. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA method 8015 (DRO, GRO, ORO), Benzene and BTEX via USEPA method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards of 0.2 ppm benzene, 50 ppm total BTEX, 100ppm TPH but above the 250 ppm total chlorides standards at 290 ppm total chlorides, via USEPA Method 9056, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 10 due to an estimated depth to groundwater of 50-100 feet, distance to a water well greater than 1000 feet, and distance to surface water greater than 1000 feet. This set the closure standard to 1000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.* Based on the total chlorides results of 290 ppm via USEPA method 9056 a release has been confirmed for this location, this is below the NMOCD guidelines for remediation of leaks, spills and releases. No further action required.

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.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Otto G. Naegele Jr.		Approved by Environmental Specialist: 	
Title: EHS Technician	Approval Date: 11/9/15	Expiration Date:	
E-mail Address: otto_naegele@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 9/29/15 Phone: 505-333-3100			

* Attach Additional Sheets If Necessary

NCS 1531343072



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Tax I.D. 62-0814289

Est. 1970

Otto Naegele
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Friday July 17, 2015

Report Number: L777133

Samples Received: 07/16/15

Client Project:

Description: Wastewater Treatment Plant

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

Otto Naegele
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

July 17, 2015

Date Received : July 16, 2015
Description : Golden Bear #4
Sample ID : FARON-071515-1230
Collected By : Otto Naegele
Collection Date : 07/15/15 12:30

ESC Sample # : L777133-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	290	11.	mg/kg	9056MOD	07/16/15	1
Total Solids	90.6		%	2540 G-2011	07/17/15	1
Benzene	BDL	0.0028	mg/kg	8021	07/17/15	5
Toluene	BDL	0.028	mg/kg	8021	07/17/15	5
Ethylbenzene	BDL	0.0028	mg/kg	8021	07/17/15	5
Total Xylene	BDL	0.0083	mg/kg	8021	07/17/15	5
TPH (GC/FID) Low Fraction	BDL	0.55	mg/kg	8015	07/17/15	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	85.6		% Rec.	8015	07/17/15	1
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021	07/17/15	1
TPH (GC/FID) High Fraction	22.	4.4	mg/kg	3546/DRO	07/16/15	1
Surrogate recovery(%)						
o-Terphenyl	87.7		% Rec.	3546/DRO	07/16/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted

Reported: 07/17/15 11:51 Printed: 07/17/15 11:51



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Otto Naegle
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Aztec, NM 87410

Quality Assurance Report
Level II

L777133

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Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Total Solids	< .1	%			WG802843	07/17/15 07:12
Chloride	< 10	mg/kg			WG802539	07/16/15 16:20
TPH (GC/FID) High Fraction	< 4	mg/kg			WG802963	07/16/15 16:06
o-Terphenyl		% Rec.	81.90	50-150	WG802963	07/16/15 16:06
Benzene	< .0005	mg/kg			WG802807	07/17/15 05:15
Ethylbenzene	< .0005	mg/kg			WG802807	07/17/15 05:15
Toluene	< .005	mg/kg			WG802807	07/17/15 05:15
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG802807	07/17/15 05:15
Total Xylene	< .0015	mg/kg			WG802807	07/17/15 05:15
a,a,a-Trifluorotoluene (FID)		% Rec.	86.30	59-128	WG802807	07/17/15 05:15

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	79.1	79.0	0.0972	5	L776930-01	WG802843
Chloride	mg/kg	84.0	78.1	7.00	20	L776873-21	WG802539
Chloride	mg/kg	270.	265.	3.00	20	L776918-02	WG802539

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Total Solids	%	50	50.0	100.	85-115	WG802843
Chloride	mg/kg	200	209.	104.	80-120	WG802539
TPH (GC/FID) High Fraction	mg/kg	60	40.3	67.2	50-150	WG802963
o-Terphenyl				75.50	50-150	WG802963
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.85	106.	63.5-137	WG802807
a,a,a-Trifluorotoluene (FID)				123.0	59-128	WG802807

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Chloride	mg/kg	208.	209.	104.	80-120	0.0	20	WG802539
TPH (GC/FID) High Fraction	mg/kg	43.3	40.3	72.0	50-150	7.12	20	WG802963
o-Terphenyl				82.20	50-150			WG802963
TPH (GC/FID) Low Fraction	mg/kg	6.00	5.85	109.	63.5-137	2.46	20	WG802807
a,a,a-Trifluorotoluene (FID)				111.0	59-128			WG802807

Analyte	Units	Matrix Spike				Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec			
Chloride	mg/kg	591.	78.9	500	100.	80-120	L776873-22	WG802539

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Analyte	Units	MS Res	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
			Ref Res						
TPH (GC/FID) Low Fraction	mg/kg	15.9	0.0967		5.5	58.0	28.5-138	L775496-01	WG802807
a,a,a-Trifluorotoluene (FID)						103.0	59-128		WG802807

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Chloride	mg/kg	582.	591.	101.	80-120	2.00	20	L776873-22	WG802539
TPH (GC/FID) Low Fraction	mg/kg	4.69	15.9	16.7*	28.5-138	109.*	23.6	L775496-01	WG802807
a,a,a-Trifluorotoluene (FID)				95.40	59-128				WG802807

Batch number / Run number / Sample number cross reference

WG802843: R3050606: L777133-01
WG802539: R3050620: L777133-01
WG802963: R3050628: L777133-01
WG802807: R3050689: L777133-01

* * Calculations are performed prior to rounding of reported values.

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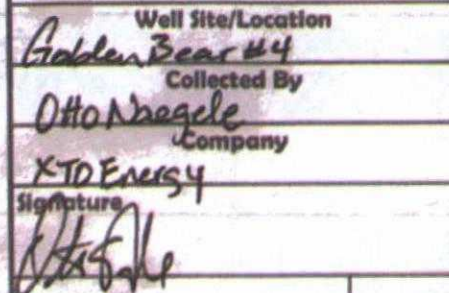
The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Rush

[illegible]

* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200