

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-26627

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company	Dugan Production Corp.	Contact	Rodger Mullins
Address	P. O. Box 420, Farmington, NM 87499-0420	Telephone No.	(505)325-1821
Facility Name	Montreal 1	Facility Type	producing well

Surface Owner	Navajo Allotted	Mineral Owner	Federal	Lease No.	NOO-C-1420-7309
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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	4	23N	10W	330	North	2310	West	San Juan

Latitude 36.26205 Longitude 107.90189

NATURE OF RELEASE

Type of Release	oil	Volume of Release	approx 3 bbls	Volume Recovered	approx 1 bbl
Source of Release		*Date and Hour of Occurrence		*Date and Hour of Discovery	
Pit tank overflow		UNK		04-19-08	
Was Immediate Notice Given?	☐ Yes ☐ No ☐ Not Required	If YES, To Whom?			
OCD found spill					
By Whom?	Rodger Mullins	Date and Hour	1/21/08 @ approx 10:00 a.m.		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RODGER MULLINS
OIL CONS. DIV.

Describe Cause of Problem and Remedial Action Taken.*
Excavated impacts with a trackhoe.

DIST. 3

Describe Area Affected and Cleanup Action Taken.*
Immediate pit area only impacted. Excavated soils to hard bedrock sandstone at 20 feet below grade. Final excavation 24' x 20' x 20' deep (350±CY).
See attached field notes, sampling notes and laboratory analytical reports.

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: <i>Rodger Mullins</i>	OIL CONSERVATION DIVISION	
Printed Name: Rodger Mullins	Approved by District Supervisor: <i>Joseph D. Kelly</i>	
Title: Production Foreman	Approval Date: 2/27/2012	Expiration Date:
E-mail Address: rmullins@duganproduction.com	Conditions of Approval:	Attached ☐
Date: May 19, 2008 Phone: (505)325-1821		

* Attach Additional Sheets If Necessary

nJK 12058 32154

30-045-26627

36.26205 x 107.90189

CLIENT

DUGAN

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO

COCR NO

4353

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE No 1 of 1

LOCATION NAME MONTREAL WELL # 1 TYPE SEP/TANK

DATE STARTED 5-8-08

QUAD/UNIT (C) SEC 4 TWP 23N RNG 10W PM NM CNTY SJ ST NM

DATE FINISHED 5-8-08

QTR/FOOTAGE 330FWL x 2310 FWL

CONTRACTOR:

ENVIRONMENTAL SPECIALIST

JCB

EXCAVATION APPROX. 24 FT. x 20 FT x 20 FT. DEEP. CUBIC YARDAGE 350 ±

DISPOSAL FACILITY ON-SITE REMEDIATION METHOD. EXCAVATE

LAND USE: RANGE - NAV SURFACE LEASE: NDD-C-1420-7309 FORMATION. GAL

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 90 FT. S28W FROM WELLHEAD

DEPTH TO GROUNDWATER > 50' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER > 600'

NMOCD RANKING SCORE 20 NMOCD TPH CLOSURE STD. 100 PPM CL STANDARD = 500 PPM

SOIL AND EXCAVATION**DESCRIPTION.**

0' - 16'

OVM CALIB. READ = 52.6 ppm

OVM CALIB GAS = 100 ppm

RF = 0.52

TIME 0340 am/pm DATE 5-8-08

SOIL TYPE SAND (SILTY SAND) / SILT / SILTY CLAY / CLAY / GRAVEL (OTHER) Bedrock SS (soft 16'-20'; Dense @ 20')

SOIL COLOR

COHESION (ALL OTHERS) NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS) LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS) SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE (DRY) / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED (YES) NO EXPLANATION. SW sidewall, like stain 3'-16'

HC ODOR DETECTED (YES) NO EXPLANATION. ON SW sidewall only

SAMPLE TYPE (GRAB/COMPOSITE) # OF PTS CENTER + 4 pt sidewall

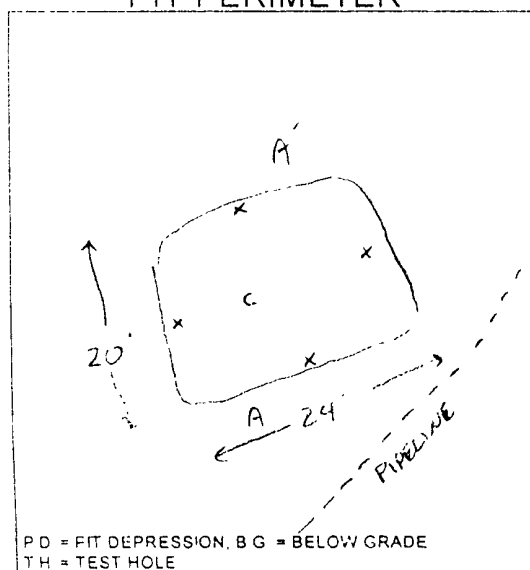
ADDITIONAL COMMENTS

FIELD 418.1 CALCULATIONS

SCALE

0 FT

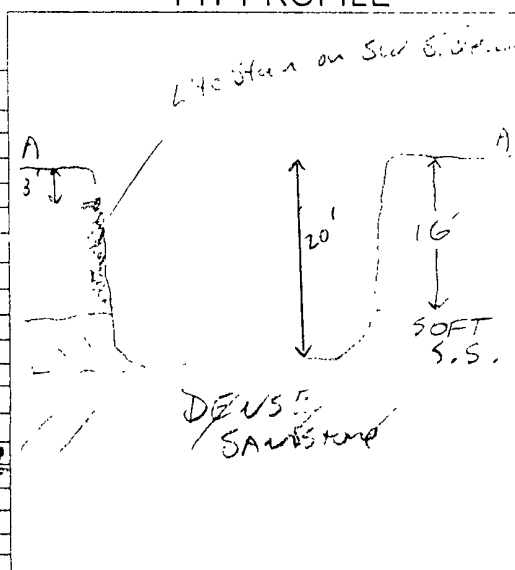
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC (ppm)

PIT PERIMETER**PIT PROFILE****OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
C @ 20'	14.3
X = 4 pt @ 20'	6.6

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
C @ 20'	T/B/C	0940
X 4 pt		0945



PD = PIT DEPRESSION, BG = BELOW GRADE
 TH = TEST HOLE

TRAVEL NOTES

CALLOUT

ONSITE

5/8/08

CHAIN OF CUSTODY RECORD

4358

Client BLAGG/DUGAN			Project Name / Location: MONTREAL #1 - EXCAVATION				ANALYSIS / PARAMETERS														
Client Address			Sampler Name: JEFF BLAGG				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CL-				Sample Cool	Sample Intact
Client Phone No..			Client No. 94034-010																		
Sample No./ Identification	Sample Date	Sample Time	Lab No	Sample Matrix	No /Volume of Containers	Preservative HCl ₂ HNO ₃															
C @ 20'	5/8/03	0945	45379	SOIL	1-402			X	X								X			✓	✓
4 Point @ 20'	"	0950	45380	"	"			X	X								X			✓	✓
Relinquished by: (Signature) <i>Jeff Blagg</i>				Date 5/9/03	Time 1212	Received by: (Signature) <i>Kendall Augusti</i>				Date 5/7/03	Time 1212										
Relinquished by: (Signature)						Received by: (Signature)															
Relinquished by: (Signature)						Received by: (Signature)															

ENVIROTECH INC.

5796 U S Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	C @ 20'	Date Reported:	05-13-08
Laboratory Number:	45379	Date Sampled:	05-08-08
Chain of Custody No:	4358	Date Received:	05-09-08
Sample Matrix:	Soil	Date Extracted:	05-09-08
Preservative:	Cool	Date Analyzed:	05-12-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	47.5	0.1
Total Petroleum Hydrocarbons	47.5	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Montreal #1 - Excavation.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	4 Point @ 20'	Date Reported:	05-13-08
Laboratory Number:	45380	Date Sampled:	05-08-08
Chain of Custody No:	4358	Date Received:	05-09-08
Sample Matrix:	Soil	Date Extracted:	05-09-08
Preservative:	Cool	Date Analyzed:	05-12-08
Condition:	Intact	Analysis Requested:	8015 TPH

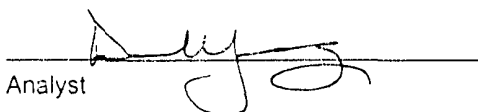
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.7	0.1
Total Petroleum Hydrocarbons	5.7	0.2

ND - Parameter not detected at the stated detection limit.

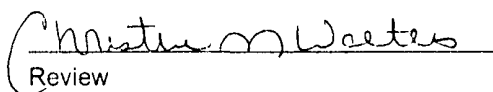
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Montreal #1 - Excavation.**

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	C @ 20'	Date Reported:	05-13-08
Laboratory Number:	45379	Date Sampled:	05-08-08
Chain of Custody:	4358	Date Received:	05-09-08
Sample Matrix:	Soil	Date Analyzed:	05-12-08
Preservative:	Cool	Date Extracted:	05-09-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	18.8	1.0
Ethylbenzene	8.2	1.0
p,m-Xylene	6.6	1.2
o-Xylene	3.0	0.9
Total BTEX	35.6	

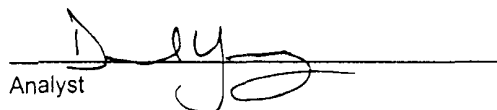
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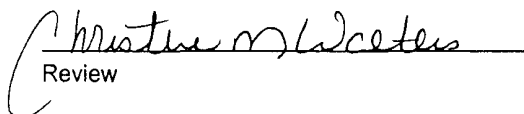
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Montreal #1 - Excavation.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	4 point @ 20'	Date Reported:	05-13-08
Laboratory Number:	45380	Date Sampled:	05-08-08
Chain of Custody:	4358	Date Received:	05-09-08
Sample Matrix:	Soil	Date Analyzed:	05-12-08
Preservative:	Cool	Date Extracted:	05-09-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	15.0	0.9
Toluene	33.7	1.0
Ethylbenzene	20.3	1.0
p,m-Xylene	34.1	1.2
o-Xylene	23.4	0.9
Total BTEX	127	

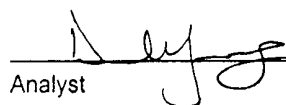
ND - Parameter not detected at the stated detection limit.

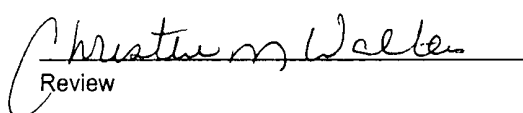
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Montreal #1 - Excavation.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	C @ 20'	Date Reported:	05-13-08
Lab ID#:	45379	Date Sampled:	05-08-08
Sample Matrix:	Soil	Date Received:	05-09-08
Preservative:	Cool	Date Analyzed:	05-12-08
Condition:	Intact	Chain of Custody:	4358

Parameter

Concentration (mg/Kg)

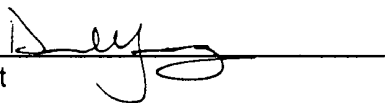
Total Chloride

420

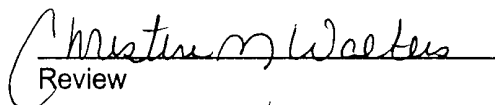
Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Montreal #1 - Excavation.**

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg/Dugan	Project #:	94034-010
Sample ID:	4 Point @ 20'	Date Reported:	05-13-08
Lab ID#:	45380	Date Sampled:	05-08-08
Sample Matrix:	Soil	Date Received:	05-09-08
Preservative:	Cool	Date Analyzed:	05-12-08
Condition:	Intact	Chain of Custody:	4358

Parameter

Concentration (mg/Kg)

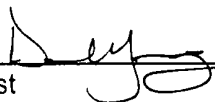
Total Chloride

480

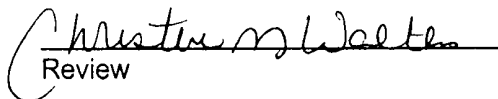
Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Montreal #1 - Excavation.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-12-08 QA/QC	Date Reported:	05-13-08
Laboratory Number:	45382	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-12-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.9632E+002	9.9672E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0015E+003	1.0019E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

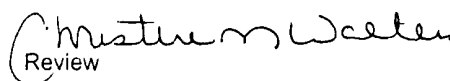
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 45382 - 45386, 45207, 45373, 45376, and 45379 - 45380.

Analyst 

Review 

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-12-BT QA/QC	Date Reported:	05-13-08
Laboratory Number:	45382	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-12-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	3.7675E+007	3.7751E+007	0.2%	ND	0.1
Toluene	3.1603E+007	3.1666E+007	0.2%	ND	0.1
Ethylbenzene	2.3682E+007	2.3730E+007	0.2%	ND	0.1
p,m-Xylene	4.8562E+007	4.8659E+007	0.2%	ND	0.1
o-Xylene	2.2285E+007	2.2330E+007	0.2%	ND	0.1

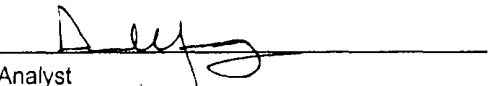
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	10.2	10.1	1.0%	0 - 30%	1.0
Ethylbenzene	1.5	1.4	6.7%	0 - 30%	1.0
p,m-Xylene	6.6	6.5	1.5%	0 - 30%	1.2
o-Xylene	3.0	2.8	6.7%	0 - 30%	0.9

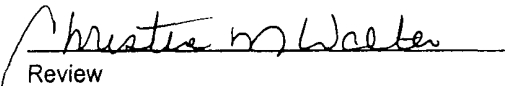
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	10.2	50.0	59.7	99.2%	46 - 148
Ethylbenzene	1.5	50.0	51.1	99.2%	32 - 160
p,m-Xylene	6.6	100	100	93.4%	46 - 148
o-Xylene	3.0	50.0	52.7	99.4%	46 - 148

ND - Parameter not detected at the stated detection limit.

References Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 45382- 45386, 454207, 45373, 45376, and 45379 - 45380.


Analyst


Review