NM2 - ____12____

GENERAL CORRESPONDENCE YEAR(S):

____2008____

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary
Reese Fullerton
Deputy Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division

October 20, 2008

Mr. Rodney Bailey
MidContinent SBU
Chevron North America Exploration and Production Company
15 Smith Road
Midland, Texas 79705

RE: Cell 17 Sampling Results of Chevron Centralized Landfarm
Centralized Surface Waste Management Facility Permit NM-2-0012
W/2 of Section 17, Township 24 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed the sampling results, dated March 31, 2008, submitted by Larson & Associates, Inc. on the behalf of Chevron North America Exploration and Production Company (Chevron) for the Chevron Centralized Landfarm Permit NM-2-012 located in the W/2 of Section 17, Township 24 South, Range 36 East, NMPM of Lea County, New Mexico. The March 31, 2008 submittal requested the approval of the closure of Cell 17. The submittal did not include the appropriate analytical results for OCD to consider approval. In order for OCD to approval of closure, the operator must demonstrate compliance with the closure performance standards specified in Subsection F of 19.15.36.16 NMAC. Until the appropriate test methods, as specified in the Part 17, have been performed and demonstrated and all of the analytical results are provided, OCD will not be able to consider such request for closure.

As stated in OCD's February 19, 2008 letter "cells that require additional tilling and remediation, treatment and vadose zone monitoring are required pursuant to the conditions of Permit NM-2-12 and the transitional provisions of 19.15.36 NMAC." Chevron shall continue quarterly vadose zone monitoring and reporting until the contaminated soils are remediated. After Chevron adequately demonstrates to the OCD that all of the remaining cells have achieved the remediation standards, OCD will require Chevron to submit a closure plan for review and approval.

If you have any questions, regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Michelle Green, Larsen & Associates, Inc., Midland, Texas 79710

Larson & Associates, Inc.
Environmental Consultants

RECEIVED
2008 APR 3 PM 2 04

March 31, 2008

VIA CERTIFIED MAIL

Mr. Brad A. Jones
Environmental Engineer
State of New Mexico – Department of Natural Resources
Oil Conservation Division – Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Cell 17 Laboratory Analysis of Soil Sample
Chevron North America Exploration and Production Company
Centralized Surface Waste Management Facility (Permit Number NM-2-0012)
W/2 of Section 17, Township 24 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Jones:

Larson and Associates, Inc. (LAI), as consultant to Chevron North America Exploration and Production Company (Chevron), submits re-sampling results for Cell 17 to the New Mexico Oil Conservation Division (OCD) for the above referenced centralized surface waste management facility (NM-2-0012).

On March 13, 2008, LAI personnel collected a random 5-part composite soil sample from Cell 17 using a stainless steel hand auger. The samples were collected between 0-1 feet of the tilled zone, placed in pre-cleaned 4-ounce jars, properly labeled and placed on ice upon collection. The samples were submitted to DHL Analytical (DHL) located in Round Rock, Texas.

The composite sample was analyzed for the following constituents:

- Volatile Organics by GC by EPA method SW8021B and
- TRPH by EPA method 418.1.

The results of the composite tilled sample for Cells 17 were 216 milligram/Kilogram (mg/Kg or ppm) for TRPH method 418.1, less than the method detection limit for BTEX (<0.01692 ppm) and less than the method detection limit for Benzene (<0.00282 ppm). These concentrations are also below the limits specified in Condition 8 of the Landfarm Operations provisions of the modification to permit NM-2-012 approved by the OCD on March 26, 2003. The results for Cell 17 collected on May 5 and September 11, 2007 were also below the remediation standard for TRPH, BTEX and Benzene.

Summary of analyses for Cell 17 are presented in Tables 1 and 2.

Recommendation

Chevron requests the OCD to grant closure for Cell 17.

If you have any questions or require additional information please contact Mr. Rodney Bailey with Chevron at (432) 894-3519 or via email bailerg@chevron.com. I can be reached at (432) 687-0901 or via email michelle@laenvironmental.com.

Sincerely,
Larson and Associates, Inc.

Michelle L. Green
Environmental Scientist

Encl.

cc: Rodney Bailey, Chevron
Larry Johnson, OCD District 1

Table 1

Summary of BTEX Analyses of Tilled Soil for Cell 17

Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)

W/2 of Section 17, Township 24 South, Range 36 East

Lea County, New Mexico

Sample	Date	Sample Depth (Feet)	Benzene	Ethylbenzene	Toluene	Total Xylenes	Total BTEX
Action Level (mg/Kg):			**10**				**50**
Cell 17 (0-1')	05/21/07	0 - 1	<0.00304	<0.00506	<0.00506	<0.00506	<0.01822
	09/11/07	0 - 1	<0.00106	<0.00106	<0.00106	<0.00106	<0.00424
	03/13/08	0 - 1	<0.00282	<0.00470	<0.00470	<0.00470	<0.01692

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, TX

BTEX analysis was performed by SW846 method 8021B

Results are reported in milligram per Kilograms (mg/Kg).

1. <: Less than method detection limit

Table 2

Summary of TPH Analysis of Tilled Soil for Cell 17

Chevron North America Exploration and Production Company, Landfarm (Permit NM-2-0012)

W/2 of Section 17, Township 24 South, Range 36 East

Lea County, New Mexico

Sample	Date	Depth	TRPH	TPH - GRO C6-C10	TPH - DRO C10-C28	Total TPH
Action Level (mg/Kg):			**500**			**500**
Cell 17 (0-1')	05/21/07	0 - 1	108	<0.0635	27.7	27.7
	09/11/07	0 - 1	--	233	<0.0645	233
	03/13/08	0 - 1	216	--	--	--

Notes:

Samples were analyzed by DHL Analytical, Inc., Round Rock, TX

Results are reported in milligram per Kilograms (mg/Kg).

TRPH analysis was performed by EPA method 418.1

DRO & GRO analysis was performed by EPA method SW8015.

1. <: Less than method detection limit

DHL ANALYTICAL

March 28, 2008

Michelle Green
Larson & Associates
507 N. Marienfeld #202
Midland, TX 79701

TEL: (432) 687-0901
FAX: (432) 687-0456

Order No: 0803137

RE: Chevron Landfarm

Dear Michelle Green:

DHL Analytical received 1 sample(s) on 3/14/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
Lab Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-06-TX

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

#0803137

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Larson
SITE MANAGER:
PROJECT NO.: 6-0137
PROJECT NAME: Chevron Landfarm
PAGE OF
LAB. PO #

DATE 2008	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TRPH 418.1	BTEX	Chloride	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
3/13	8:50		X		Cell 17 (0-1)	2	X	X	X	01	
	↓										

SAMPLED BY: (Signature) DATE: 3/13/08 TIME: 9:00
RELINQUISHED BY: (Signature) DATE: 3/14/08 TIME: 8:00
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: 3/13/08 TIME: 4:00
RECEIVED BY: (Signature) DATE: 3/13/08 TIME: 9:00
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER LSO

COMMENTS:
TURNAROUND TIME NEEDED: Normal

RECEIVING LABORATORY: Dtl Analytical
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 3/14/08 TIME: 5:00

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 2.8° #57
LA CONTACT PERSON: Michelle Green
SAMPLE TYPE: Soil

Lone Star Overnight

Airbill No. Z4102390

Lone Star Overnight
800.800.8984
www.lso.com

To: SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK, TX 78664
(512) 388 - 8222

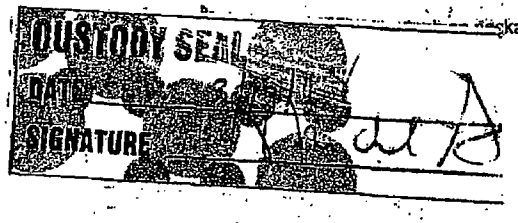
From: MICHELLE GREEN
LARSON & ASSOCIATES, INC,
507 N MARIENFELD
SUITE 202
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

QuickCode: DHL
Date Printed: 3/13/2008



kage. Please

DHL Analytical

Sample Receipt Checklist

Client Name Larson & Associates — Date Received: 3/14/2008

Work Order Number 0803137 — Received by JB

Checklist completed by: [signature] (Signature) 3/14/08 (Date) — Reviewed by (DL) (Initials) 3/14/08 (Date)

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? ________ Checked by ________

Any No response must be detailed in the comments section below.

Client contacted ________ Date contacted: ________ Person contacted ________

Contacted by: ________ Regarding: ________

Comments: ________

Corrective Action ________

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Page 1 of 1

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0803137

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method SW8021B - Volatile Organics Analysis
Method SW9056 - Anions Analysis
Method D2216 - Percent Moisture (Parameter Not NELAC Certified)
Method E418.1 - TRPH Analysis (Parameter Not NELAC Certified)

LOG IN

The sample was received and log-in performed on 3/14/08. A total of 1 sample was received. The sample arrived in good condition and was properly packaged.

TRPH

For TRPH analysis, the recoveries of the matrix spike and matrix spike duplicate (0803222-01 MS and MSD) were above control limits. These are flagged accordingly. The reference sample selected for the MS and MSD was not from this work order. The LCS was within control limits. No further corrective actions were taken.

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0803137

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recv'd
0803137-01	Cell 17(0-1')		03/13/08 08:50 AM	03/14/08

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0803137

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0803137-01A	Cell 17(0-1')	03/13/08 08:50 AM	Soil	SW5030B	Purge and Trap Soils GC	03/19/08 02:59 PM	29536
0803137-01B	Cell 17(0-1')	03/13/08 08:50 AM	Soil	SW3550B	Soil Prep Sonication: TRPH	03/25/08 09:48 AM	29611
	Cell 17(0-1')	03/13/08 08:50 AM	Soil	SW9056	Anion Prep	03/20/08 02:01 PM	29554
	Cell 17(0-1')	03/13/08 08:50 AM	Soil	D2216	Percent Moisture	03/19/08 10:35 AM	PMOIST_080319B

CLIENT: Larson & Associates
Project: Chevron Landfarm
Lab Order: 0803137

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0803137-01A	Cell 17(0-1')	Soil	SW8021B	Volatile Organics by GC	29536	1	03/19/08 10:50 PM	GC4_080319A
0803137-01B	Cell 17(0-1')	Soil	SW9056	Anions by IC method - Soil	29554	1	03/24/08 09:35 AM	IC2_080324A
	Cell 17(0-1')	Soil	D2216	Percent Moisture	PMOIST_080319B	1	03/19/08 04:57 PM	PMOIST_080319B
	Cell 17(0-1')	Soil	E418.1	TRPH	29611	1	03/25/08 10:30 AM	IR207_080325A

DHL Analytical

Date: 03/28/08

CLIENT:	Larson & Associates	**Client Sample ID:**	Cell 17(0-1')
Project:	Chevron Landfarm	**Lab ID:**	0803137-01
Project No:	6-0137	**Collection Date:**	03/13/08 08:50 AM
Lab Order:	0803137	**Matrix:**	Soil

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
Volatile Organics by GC		**SW8021B**					**Analyst: JAW**
Benzene	ND	0.00282	0.00470		mg/Kg-dry	1	03/19/08 10:50 PM
Ethylbenzene	ND	0.00470	0.0141		mg/Kg-dry	1	03/19/08 10:50 PM
Toluene	ND	0.00470	0.0141		mg/Kg-dry	1	03/19/08 10:50 PM
Xylenes, Total	ND	0.00470	0.0141		mg/Kg-dry	1	03/19/08 10:50 PM
Surr: Tetrachloroethene	95.6	0	79 - 135		%REC	1	03/19/08 10:50 PM
TRPH		**E418.1**					**Analyst: DEW**
Petroleum Hydrocarbons, TR	216	5.24	10.5	N	mg/Kg-dry	1	03/25/08 10:30 AM
Anions by IC method - Soil		**SW9056**					**Analyst: JBC**
Chloride	42.4	5.16	5.16		mg/Kg-dry	1	03/24/08 09:35 AM
Percent Moisture		**D2216**					**Analyst: MW**
Percent Moisture	5.02	0	0	N	WT%	1	03/19/08 04:57 PM

Qualifiers:				
	*	Value exceeds TCLP Maximum Concentration Level	J	Analyte detected between MDL and RL
	B	Analyte detected in the associated Method Blank	MDL	Method Detection Limit
	C	Sample Result or QC discussed in the Case Narrative	N	Parameter not NELAC certified
	DF	Dilution Factor	ND	Not Detected at the Method Detection Limit
	E	TPH pattern not Gas or Diesel Range Pattern	RL	Reporting Limit
			S	Spike Recovery outside control limits

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_080319A

Sample ID:	LCS-29536	Batch ID:	29536	TestNo:	SW8021B	Units:	mg/Kg
SampType:	LCS	Run ID:	GC4_080319A	Analysis Date:	03/19/08 03:59 PM	Prep Date:	03/19/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0973	0.00500	0.1000	0	97.3	65	113			
Toluene	0.0988	0.0150	0.1000	0	98.8	73	115			
Ethylbenzene	0.102	0.0150	0.1000	0	102	74	118			
Xylenes, Total	0.318	0.0150	0.3000	0	106	73	119			
Surr: Tetrachloroethene	0.176		0.2000		88.2	79	135			

Sample ID:	MB-29536	Batch ID:	29536	TestNo:	SW8021B	Units:	mg/Kg
SampType:	MBLK	Run ID:	GC4_080319A	Analysis Date:	03/19/08 04:23 PM	Prep Date:	03/19/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	ND	0.00500								
Toluene	ND	0.0150								
Ethylbenzene	ND	0.0150								
Xylenes, Total	ND	0.0150								
Surr: Tetrachloroethene	0.190		0.2000		95.0	79	135			

Sample ID:	0803138-02AMS	Batch ID:	29536	TestNo:	SW8021B	Units:	mg/Kg-dry
SampType:	MS	Run ID:	GC4_080319A	Analysis Date:	03/19/08 11:37 PM	Prep Date:	03/19/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0914	0.00496	0.09918	0	92.1	65	113			
Toluene	0.0876	0.0149	0.09918	0	88.3	73	115			
Ethylbenzene	0.0860	0.0149	0.09918	0	86.7	74	118			
Xylenes, Total	0.264	0.0149	0.2976	0	88.8	73	119			
Surr: Tetrachloroethene	0.198		0.1984		100	79	135			

Sample ID:	0803138-02AMSD	Batch ID:	29536	TestNo:	SW8021B	Units:	mg/Kg-dry
SampType:	MSD	Run ID:	GC4_080319A	Analysis Date:	03/20/08 12:01 AM	Prep Date:	03/19/08

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0839	0.00444	0.08874	0	94.5	65	113	8.55	30	
Toluene	0.0780	0.0133	0.08874	0	87.8	73	115	11.7	30	
Ethylbenzene	0.0761	0.0133	0.08874	0	85.7	74	118	12.3	30	
Xylenes, Total	0.236	0.0133	0.2662	0	88.5	73	119	11.5	30	
Surr: Tetrachloroethene	0.175		0.1775		98.4	79	135	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	N	Parameter not NELAC certified
ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_080319A

Sample ID:	ICV-080319	Batch ID:	R36727	TestNo:		SW8021B		Units:	mg/Kg	
SampType:	ICV	Run ID:	GC4_080319A	Analysis Date:		03/19/08 03:35 PM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.194	0.00500	0.2000	0	97.0	85	115			
Toluene	0.196	0.0150	0.2000	0	98.2	85	115			
Ethylbenzene	0.202	0.0150	0.2000	0	101	85	115			
Xylenes, Total	0.613	0.0150	0.6000	0	102	85	115			
Surr: Tetrachloroethene	0.190		0.2000		95.0	79	135			

Sample ID:	CCV1-080319	Batch ID:	R36727	TestNo:		SW8021B		Units:	mg/Kg	
SampType:	CCV	Run ID:	GC4_080319A	Analysis Date:		03/19/08 08:29 PM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.103	0.00500	0.1000	0	103	85	115			
Toluene	0.104	0.0150	0.1000	0	104	85	115			
Ethylbenzene	0.107	0.0150	0.1000	0	107	85	115			
Xylenes, Total	0.329	0.0150	0.3000	0	110	85	115			
Surr: Tetrachloroethene	0.197		0.2000		98.4	79	135			

Sample ID:	CCV2-080319	Batch ID:	R36727	TestNo:		SW8021B		Units:	mg/Kg	
SampType:	CCV	Run ID:	GC4_080319A	Analysis Date:		03/20/08 01:11 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.0990	0.00500	0.1000	0	99.0	85	115			
Toluene	0.0996	0.0150	0.1000	0	99.6	85	115			
Ethylbenzene	0.102	0.0150	0.1000	0	102	85	115			
Xylenes, Total	0.312	0.0150	0.3000	0	104	85	115			
Surr: Tetrachloroethene	0.189		0.2000		94.7	79	135			

Sample ID:	ICV-080320	Batch ID:	R36727	TestNo:		SW8021B		Units:	mg/Kg	
SampType:	ICV	Run ID:	GC4_080319A	Analysis Date:		03/20/08 10:02 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.201	0.00500	0.2000	0	101	85	115			
Toluene	0.204	0.0150	0.2000	0	102	85	115			
Ethylbenzene	0.210	0.0150	0.2000	0	105	85	115			
Xylenes, Total	0.638	0.0150	0.6000	0	106	85	115			
Surr: Tetrachloroethene	0.193		0.2000		96.5	79	135			

Sample ID:	CCV1-080320	Batch ID:	R36727	TestNo:		SW8021B		Units:	mg/Kg	
SampType:	CCV	Run ID:	GC4_080319A	Analysis Date:		03/20/08 11:59 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Benzene	0.101	0.00500	0.1000	0	101	85	115			
Toluene	0.104	0.0150	0.1000	0	104	85	115			
Ethylbenzene	0.108	0.0150	0.1000	0	108	85	115			
Xylenes, Total	0.331	0.0150	0.3000	0	110	85	115			
Surr: Tetrachloroethene	0.196		0.2000		98.0	79	135			

Qualifiers:

B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
DF	Dilution Factor	RL	Reporting Limit
J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
MDL	Method Detection Limit	N	Parameter not NELAC certified
ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_080324A

Sample ID:	MB-29554	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg
SampType:	MBLK	Run ID:	IC2_080324A		Analysis Date:		03/24/08 08:37 AM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		ND	5.00								

Sample ID:	LCS-29554	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg
SampType:	LCS	Run ID:	IC2_080324A		Analysis Date:		03/24/08 08:51 AM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		49.7	5.00	50.00	0	99.5	80	120			

Sample ID:	LCSD-29554	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg
SampType:	LCSD	Run ID:	IC2_080324A		Analysis Date:		03/24/08 09:06 AM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		50.1	5.00	50.00	0	100	80	120	0.732	20	

Sample ID:	0803142-04B DUP	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg-dry
SampType:	DUP	Run ID:	IC2_080324A		Analysis Date:		03/24/08 01:34 PM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		14.2	5.20	0	12.86				10.1	25	

Sample ID:	0803142-04B MS	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg-dry
SampType:	MS	Run ID:	IC2_080324A		Analysis Date:		03/24/08 02:04 PM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		59.1	5.24	52.44	7.718	98.0	80	120			

Sample ID:	0803142-04B MSD	Batch ID:	29554		TestNo:		SW9056		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	IC2_080324A		Analysis Date:		03/24/08 02:18 PM		Prep Date:		03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Chloride		59.2	5.24	52.44	7.718	98.2	80	120	0.121	20	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	N	Parameter not NELAC certified
	ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_080324A

Sample ID:	ICV-080324	Batch ID:	R36782		TestNo:		SW9056		Units:	mg/Kg
SampType:	ICV	Run ID:	IC2_080324A		Analysis Date:		03/24/08 08:20 AM		Prep Date:	03/24/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		25.4	5.00	25.00	0	102	90	110		

Sample ID:	CCV1-080324	Batch ID:	R36782		TestNo:		SW9056		Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_080324A		Analysis Date:		03/24/08 10:49 AM		Prep Date:	03/20/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		10.1	1.00	10.00	0	101	90	110		

Sample ID:	CCV2-080324	Batch ID:	R36782		TestNo:		SW9056		Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_080324A		Analysis Date:		03/24/08 01:49 PM		Prep Date:	03/24/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		10.1	5.00	10.00	0	101	90	110		

Sample ID:	CCV3-080324	Batch ID:	R36782		TestNo:		SW9056		Units:	mg/Kg
SampType:	CCV	Run ID:	IC2_080324A		Analysis Date:		03/24/08 04:30 PM		Prep Date:	03/24/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit Qual
Chloride		10.1	5.00	10.00	0	101	90	110		

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	N	Parameter not NELAC certified
	ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_080325A

Sample ID:	LCS-29611	Batch ID:	29611		TestNo:		E418.1		Units:		mg/Kg
SampType:	LCS	Run ID:	IR207_080325A		Analysis Date:		03/25/08 10:30 AM		Prep Date:		03/25/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		101	10.0	100.0	0	101	80	120			N

Sample ID:	MB-29611	Batch ID:	29611		TestNo:		E418.1		Units:		mg/Kg
SampType:	MBLK	Run ID:	IR207_080325A		Analysis Date:		03/25/08 10:30 AM		Prep Date:		03/25/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		ND	10.0								N

Sample ID:	0803222-01BMS	Batch ID:	29611		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MS	Run ID:	IR207_080325A		Analysis Date:		03/25/08 10:30 AM		Prep Date:		03/25/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		501	10.5	104.5	169.0	318	80	120			SN

Sample ID:	0803222-01BMSD	Batch ID:	29611		TestNo:		E418.1		Units:		mg/Kg-dry
SampType:	MSD	Run ID:	IR207_080325A		Analysis Date:		03/25/08 10:30 AM		Prep Date:		03/25/08
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR		387	10.4	103.8	169.0	210	80	120	25.6	20	SRN

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	N	Parameter not NELAC certified
	ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: IR207_080325A

Sample ID:	ICV-080325	Batch ID:	418_S-03/25/08	TestNo:		E418.1		Units:		mg/Kg
SampType:	ICV	Run ID:	IR207_080325A	Analysis Date:		03/25/08 10:30 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR	241	10.0	250.0	0	96.5	90	110			N

Sample ID:	CCV1-080325	Batch ID:	418_S-03/25/08	TestNo:		E418.1		Units:		mg/Kg
SampType:	CCV	Run ID:	IR207_080325A	Analysis Date:		03/25/08 10:30 AM		Prep Date:		
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPD Limit	Qual
Petroleum Hydrocarbons, TR	244	10.0	250.0	0	97.8	85	115			N

Qualifiers:				
	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	N	Parameter not NELAC certified
	ND	Not Detected at the Method Detection Limit		

CLIENT: Larson & Associates
Work Order: 0803137
Project: Chevron Landfarm

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_080319B

Sample ID:	0803180-01B DUP	**Batch ID:**	PMOIST_080319B	**TestNo:**	D2216			**Units:**		WT%	
SampType:	DUP	**Run ID:**	PMOIST_080319B	**Analysis Date:**	03/19/08 04:57 PM			**Prep Date:**		03/19/08	
Analyte		**Result**	**RL**	**SPK value**	**Ref Val**	**%REC**	**LowLimit**	**HighLimit**	**%RPD**	**RPD Limit**	**Qual**
Percent Moisture		29.3	0	0	30.62				4.32	30	N

Qualifiers:	B	Analyte detected in the associated Method Blank	R	RPD outside accepted control limits
	DF	Dilution Factor	RL	Reporting Limit
	J	Analyte detected between MDL and RL	S	Spike Recovery outside control limits
	MDL	Method Detection Limit	N	Parameter not NELAC certified
	ND	Not Detected at the Method Detection Limit		

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

February 19, 2008

Mr. Rodney Bailey
Environmental Specialist
MidContinent SBU
Chevron North America Exploration and Production Company
15 Smith Road
Midland, Texas 79705

RE: 2007 Sampling Results of Chevron Centralized Landfarm
Centralized Surface Waste Management Facility Permit NM-2-0012
W/2 of Section 17, Township 24 South, Range 36 East, NMPM
Lea County, New Mexico

Dear Mr. Bailey:

The New Mexico Oil Conservation Division (OCD) has reviewed the compendium of sampling results, dated September 21, 2007, obtained during 2007, submitted by Larson & Associates, Inc. on the behalf of Chevron North America Exploration and Production Company (Chevron) for the Chevron Centralized Landfarm Permit NM-2-012 located in the W/2 of Section 17, Township 24 South, Range 36 East, NMPM of Lea County, New Mexico. OCD has determined that Chevron has demonstrated Cells 22, 23, and 24 satisfy the treatment zone closure performance standards as specified in Subsection F of Section 15 of 19.15.36 NMAC. Therefore, OCD approves the closure of Cells 22, 23, and 24.

The September 21, 2007 submittal requested the approval of the closure of Cell 17. The comparison of the testing results to the background concentrations did not support the request. OCD recommends re-sampling Cell 17 to confirm the September 11, 2007 results and to determine if a statistical significant increase has occurred.

As for the cells that require additional tilling and remediation, treatment and vadose zone monitoring are required pursuant to the conditions of Permit NM-2-12 and the transitional provisions of 19.15.36 NMAC. As a reminder, the specified test method for TPH is EPA method 418.1. The combined results of the GRO and DRO testing are not an acceptable substitute.

Chevron shall continue quarterly vadose zone monitoring and reporting until the contaminated soils are remediated. After Chevron adequately demonstrates to the OCD that all of the

remaining cells have achieved the remediation standards, OCD will require Chevron to submit a closure plan for review and approval.

If you have any questions, regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District I Office, Hobbs
Mark Larsen, Larsen & Associates, Inc., Midland, Texas 79710