30 039 25414

Date: September 24, 2004
To: Incident Review Committee
From: Randy Lydic
Subject: ConocoPhillips San Juan 29-6 Unit #247R Smith Ranch Spill

At 2:25 pm on September 23rd, I received a call from Sam Henry. Sam stated that that there had been a release on ConocoPhillips San Juan 29-6 Unit #247R.

What Happened: David Aguirre and Elias Lopez had come to location to do a PM. Dave found the environmental tank under the engine oil day barrel full of rain water with a film of oil on the top of the tank. Oil was weeping onto the ground. Dave was afraid that anymore rain would cause the oil on top of the water to get onto the ground. Dave pulled the plug on the bottom of the environmental tank to let a little water off of the bottom to better manage the oil on top. At this point Mr. Robert Smith Jr. drove onto location and asked what I was doing. Dave explained what he was doing. At that point Mr. Smith said that procedure was not to be done Mr. Smith asked if that was a common practice. Dave explained that it was neither Conoco/Phillips or Henry Production /Pumps And Service procedure. At that point Dave contacted the lease operator. Mr. Dale Lockett as well as Sam Henry.

Robert Smith Jr. Concerns

- How did a tank of this size get this much rain water in it. There has not been that much rain.
- Why was an experienced hand training a new hand in this procedure?
- The environmental tank although big enough to contain the contents of the feeder barrel, it did not have the circumference to contain a leak on the end of the barrel if the wind was blowing.
- How did the oil in the environmental tank get emulsified?

Contributing Factors

- Dale stated that the location was painted in April, May, or June. The paint ring on the tank measured 2 inches from the top on the low side at the time the tank was painted.
- Unit had not been ran much or had a PM in the last six months.

Tank Dimensions: 34 inches wide by 23 ½ inches tall.

Note: An inspection of the day barrel showed no sign of an oil leak.

NDGF 04278 28018

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Under PU Catchment Basin	Date Reported:	10-05-04
Laboratory Number:	30871	Date Sampled:	10-04-04
Chain of Custody No:	13070	Date Received:	10-04-04
Sample Matrix:	Soil	Date Extracted:	10-05-04
Preservative:	Cool	Date Analyzed:	10-05-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**59.7**	**0.1**
Total Petroleum Hydrocarbons	**59.7**	**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: **29-6 #247R.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Pile Dirt Around PU	Date Reported:	10-05-04
Laboratory Number:	30872	Date Sampled:	10-04-04
Chain of Custody No:	13070	Date Received:	10-04-04
Sample Matrix:	Soil	Date Extracted:	10-05-04
Preservative:	Cool	Date Analyzed:	10-05-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	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: **29-6 #247R.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-026-000
Sample ID:	Under PU Catchment Basin	Date Reported:	10-06-04
Laboratory Number:	30871	Date Sampled:	10-04-04
Chain of Custody:	13070	Date Received:	10-04-04
Sample Matrix.	TCLP Extract	Date Analyzed:	10-06-04
Preservative:	Cool	Date Extracted:	10-05-04
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.011**	**0.001**	**5.0**
Barium	**0.384**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**0.004**	**0.001**	**5.0**
Lead	**0.006**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.007**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **29-6 #247R.**

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CHAIN OF CUSTODY RECORD

13070

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
ConocoPhillips	29-6 #247R	
Sampler: Monica Olson	Client No. 96052-026 - 000	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015	TCLP Metals					Remarks
under PIL Catchment Basin	10-4-04	11:10am	30871	Soil	1	✓	✓					
Pile dirt around PIL	10-4-04	11:35am	30872	Soil	1	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Monica D. Olson	10-4-04	1:05pm	Mistie M Walter	10/4/04	13:05
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Fax: 599-3442

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		