



BLOOMFIELD REFINERY

Hope Monzeglio
New Mexico Environmental Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East
Bldg 1
Santa Fe, NM 87505

October 16, 2009

**RE: Western Refining Southwest, Inc. - Bloomfield Refinery
River Terrace Bioventing System
October - 2009 In-Situ Respiration Test**

Dear Ms. Monzeglio,

Bloomfield Refinery would like to propose a revision to the In-Situ Test protocol stated in Attachment 2- Table 2 of the June 16, 2009 letter *Approval With Direction River Terrace Voluntary Corrective Measures Bioventing System Annual Report January 2008 Through December 2008*. Due to lack of 12 hours of daylight at the current time, Bloomfield Refinery would like to adjust the monitoring frequency of all the BV Wells (first 72 hours) and TP-1, 2, 5, 6, 8, and 9 (next 48 hours) from every 12 hours to 3 sample events within an 8 hour period (8AM, 12N, and 4PM) over the duration listed in Attachment 2- Table 2. Please find attached a revised Attachment 2 – Table 2 illustrating our proposal.

Bloomfield Refinery personnel intend to conduct the In-Situ Respiration Test within the next two weeks.

In addition, Bloomfield Refinery would also like to propose conducting another In-Situ Test in June 2010 if the weather and river level permits.

If you need additional information, please contact me at (505) 632-4161.

Sincerely,


Cindy Hurtado
Environmental Coordinator
Western Refining Southwest, Inc. - Bloomfield Refinery

Cc: Randy Schmalz – Environmental Manager – Bloomfield Refinery

Attachment 2
River Terrace Bioventing System Monitoring
Table 2 - Soil Vapor Monitoring

Location	Matrix	* Injection Pressure	*Injection Flow Rate	% CO2	% O2	Organic Vapors (PID)	Pressure *	Analytical
MW-49	A			Q	Q	Q	Q	Q - b, GRO
DW-1	A			Q	Q	Q	Q	Q - b, GRO
TP-1	A			Q	Q	Q	Q	Q - b, GRO
TP-2	A			Q	Q	Q	Q	Q - b, GRO
TP-3	A			S/A	S/A	S/A	S/A	S/A-b, GRO
TP-5	A			Q	Q	Q	Q	Q - b, GRO
TP-6	A			Q	Q	Q	Q	Q - b, GRO
TP-7	A			Q	Q	Q	Q	Q - b, GRO
TP-8	A			Q	Q	Q	Q	Q - b, GRO
TP-9	A			Q	Q	Q	Q	Q - b, GRO
TP-10	A			S/A	S/A	S/A	S/A	S/A-b, GRO
TP-11	A			S/A	S/A	S/A	S/A	S/A-b, GRO
TP-12	A			S/A	S/A	S/A	S/A	S/A-b, GRO
TP-13	A			S/A	S/A	S/A	S/A	S/A-b, GRO
BV-1	A	Q	Q					
BV-2	A	Q	Q					
BV-3	A	Q	Q					
BV-4	A	Q	Q					
BV-5	A	Q	Q					
BV-6	A	Q	Q					
BV-7	A	Q	Q					
BV-8	A	Q	Q					
BV-9	A	Q	Q					
BV-10	A	Q	Q					
BV-11	A	Q	Q					
BV-12	A	Q	Q					
BV-13	A	Q	Q					

Matrix
A - soil gas

Field Parameters
% CO2 - percent carbon dioxide
% O2 - percent oxygen
PID - photoionization detector

Analytical Analysis
b - BTEX by EPA Method 8021B
GRO - gasoline rangr organics by EPA Method 8015B

Sampling Frequency

Q - Quarterly
S/A - Semi-annual (2 X a year during the high and low flows of the San Juan River)

* **Pressure** - Full system and individual well injection pressure will be recorded during each monitoring event.

Perform IN-SITU RESPIRATION TEST During 2009			
Must be conducted under similar conditions as the 9/07 respiration test (e.g. similar groundwater levels and river levels). Shutdown blower and monitoring oxygen/carbon dioxide levels in TP-1, 2, 5, 6, 8, 9, and each of the 13 BV wells			
Monitor location	Analyte(s)	Frequency	Duration
TP - 1,2,5,6,8,9	O2, CO2, VOCs	every 1 hour	first 8 hours
TP - 1,2,5,6,8,9	O2, CO2, VOCs	8AM,12N, & 4PM	next 48 hours
All BV Wells	O2	8AM,12N, & 4PM	first 72 hours

TP - Temporary Wells
VOCs - Volatile Organic Carbons
O2 - Oxygen
CO2 - Carbon Dioxide

Monzeglio, Hope, NMENV

From: Hurtado, Cindy [Cindy.Hurtado@wnr.com]
Sent: Friday, October 16, 2009 9:44 AM
To: Monzeglio, Hope, NMENV; Schmaltz, Randy
Cc: Krakow, Bob; Robinson, Kelly
Subject: 2009 In-Situ Test - Bloomfield Refinery
Attachments: 2009 In-Situ Test.pdf; Attachment 2-Table 2 2009.pdf

Good Morning Hope,

Please find attached our request to revise the In-Situ Test protocol for the 2009 test. Also find attached a revised Attachment 2-Table 2 documenting the potential changes. We would like to have approval to start the test as early as the 21st but will more likely begin it on the 27th of October.

Do you want a hard copy of this request mailed to you?

Please contact me if you have any questions.

Thanks,
Cindy

Cindy Hurtado
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