



ENTERED



Bo. Jo ✓
Michael ✓
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P.O. Box 159
Bloomfield, New Mexico 87413
505
632-8013

July 15, 1996

Mr. CoLy Muckelroy
HRMB
New Mexico Environment Department
2044 Galisteo St.
Santa Fe, New Mexico 87505

Re: RCRA Semi-Annual Groundwater Report
NMD 089 416 416

Dear Mr. Muckelroy:

Giant Refining Company - Bloomfield submits the analytical data for the groundwater monitoring wells associated with the hazardous waste treatment system (Oily Water Ponds) at this facility. Please remember that the plume from other sources that lies atop the Nacimiento Aquitard (RCRA RFI Report) extends under the treatment impoundments. As such, the data should be evaluated accordingly.

Monitoring wells RW-15 and RW-18 are part of the facility's pump and treat groundwater remediation system. Monitoring wells MW-9, RW-15, and RW-18 all had visible hydrocarbons, with the analytical data significantly affected by this free product.

If you need additional information, please contact me at (505) 632 8013.

Sincerely:

Lynn Shelton
Environmental Manager
Giant Refining Company - Bloomfield

TLS/tls

Enclosure

**GIANT REFINING COMPANY - BLOOMFIELD
GROUNDWATER MONITORING - RCRA PART B PERMIT**

PARAMETER	UNIT	UP GRADIENT		DOWN GRADIENT		
		MW-21	RW-15	MW-20	MW-9	RW-18
Date of Sample		5/31/95	5/31/95	5/31/95	5/31/95	5/31/95

HYDROCARBON INDICATORS						
Benzene	mg/l	0.917	18.9	0.047	14.9	0.461
Ethylbenzene	mg/l	0.93	1.84	0.023	0.766	0.819
Toluene	mg/l	0.002	24.3	0.017	0.951	1.07
Xylenes (total)	mg/l	ND	19.05	0.32	4.125	5.89

pH	s.u.	6.8	6.9	7.1	6.8	6.6
pH	s.u.	7.0	7.1	7.0	6.9	6.9
pH	s.u.	7.0	7.1	7.1	6.9	6.9
pH	s.u.	7.0	7.1	7.1	6.9	6.9
Specific Conductance	us/cm	4510	4800	3220	2800	1145
Specific Conductance	us/cm	4380	4810	3240	2820	1110
Specific Conductance	us/cm	4380	4810	3240	2820	1110
Specific Conductance	us/cm	4380	4810	3240	2820	1110
Total Organic Carbon	mg/l	21.0	32.0	23.0	67.0	free product
Total Organic Halogen	mg/l	0.112	0.209	0.109	0.034	0.074

GROUNDWATER LEVELS						
Elevation - TOP	feet	5518.62	5533.44	5516.46	5519.77	5526.08
Depth to Water	feet	20.0	NM	17.8	21.1	NM
Elevation - GW	feet	5498.62	NM	5498.66	5498.67	NM
HC Thickness	feet	0	0	0		
Elevation - Liquid	feet					
Total Depth from TOP	feet	30.93	43.3	27.18	33.99	40.95