



Bloomfield Refining
Company

A Gary Energy Corporation Subsidiary

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August 3, 1993

Mr. Greg J. Lyssy
U. S. Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Monthly Progress Report
EPA I.D. No. NMD089416416

Administrative Order On Consent
U.S. EPA Docket No. VI-303-H



Dear Mr. Lyssy:

In accordance with VI.5.b of the order, Bloomfield Refining Company (BRC) submits this monthly progress report.

Interim Measures (IM) Progress

1. The two groundwater recovery/monitoring wells as proposed in the Interim Measures Plan were installed on July 19, 1993. The surface pad and well-head protector casing will be installed the week of August 2, 1993. A survey to determine top-of-pipe elevations will follow.
2. The new wells were developed on July 20, 1993. They produced water very well as would be expected because of their proximity to Hammond ditch. However, the hydrocarbon thickness was small, estimated at less than 0.01 feet. The new recovery pumps purchased for installation in these wells may not be appropriate. This is being evaluated.
3. A complete survey of the recovery/monitoring wells was done on July 20, 1993 (see attached). Hydrocarbon thicknesses have decreased since start-up of the recovery wells.
4. Recovery well RW-18 has been out of service since early June, 1993 because of installation of the new process units at its location, but hydrocarbon thicknesses have not recovered to previous levels. When the recovery pump was first installed on April 23, 1992, the hydrocarbon level measured about 0.94 feet as compared to the current level of about 0.01 feet.
5. In June, 1993 the piping from the other recovery wells RW-14, RW-15, RW-16, and RW-17 plugged from mineral deposits that formed in the line to the recovery tank. We believe this was caused partially as a result of the excess air being used to push the water through the line. A bladder pump will be tested in one of the wells to see if it will result in less precipitation of minerals from the groundwater. The line

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will be acidized to clear it as soon as possible. The groundwater elevation survey shows that progress is being made in reducing hydrocarbon thicknesses at the wells.

RCRA Facility Investigation (RFI) Progress

1. The Description of Current Conditions (Task I) and the RFI work plan (Task II) are under review by the USEPA.

Please contact me for any additional information.

Sincerely,



Chris Hawley
Environmental Manager

cc: Roger Anderson, NM OCD
Ed Horst, NM Environment Department
Cymantha Diaz, GTI
Dave Roderick, Joe Warr, John Goodrich

BLOOMFIELD REFINING COMPANY
GROUNDWATER ELEVATIONS: 7/20/93

WELL NUMBER	ELEVATION T.O.P. (FT)	FR T.O.P. TO H2O (FT)	ELEVATION GW (FT)	THKNESS HC (FT)	ELEVATION TOP OF LIQ (FT)	ADJ GW ELEVATION (FT)
MW-1	5515.77	14.83	5500.94	0.00	5500.94	5500.94
MW-3	5535.85	33.87	5501.98	0.00	5501.98	5501.98
MW-4	5524.30	25.27	5499.03	0.13	5499.16	5499.13
MW-5	5545.10	42.20	5502.90	0.00	5502.90	5502.90
MW-6	5551.23	DRY				
MW-7	5524.09					
MW-8	5531.12	29.68	5501.44	0.00	5501.44	5501.44
MW-9	5519.70	20.07	5499.63	0.01	5499.64	5499.64
MW-11	5506.83	10.11	5496.72	0.00	5496.72	5496.72
MW-12	5498.36	9.43	5488.93	0.00	5488.93	5488.93
MW-13	5538.42	38.68	5499.74	0.00	5499.74	5499.74
MW-20	5516.44	16.71	5499.73	0.00	5499.73	5499.73
MW-21	5518.64	18.65	5499.99	0.00	5499.99	5499.99
RW-1.	5525.92	27.13	5498.79	0.00	5498.79	5498.79
P-1	5524.62	25.88	5498.74	0.00	5498.74	5498.74
RW-2	5523.48	24.61	5498.87	0.03	5498.90	5498.89
P-2	5523.73	24.69	5499.04	0.01	5499.05	5499.05
RW-3	5516.86	18.92	5497.94	0.00	5497.94	5497.94
P-3	5507.20	9.18	5498.02	0.00	5498.02	5498.02
RW-14	5533.97	33.17	5500.80	0.01	5500.81	5500.81
RW-15	5533.32	32.81	5500.51	0.01	5500.52	5500.52
RW-16	5531.99	32.06	5499.93	0.23	5500.16	5500.11
RW-17	5530.43	31.34	5499.09	0.72	5499.81	5499.65
RW-18	5527.05	CONSTRUCTION		0.01		
RW-19	5527.08	27.64	5499.44	0.01	5499.45	5499.45
RW-22	* { 5519.70	20.07	5499.63	0.01	5499.64	5499.64
RW-23	* { 5519.70	20.07	5499.63	0.01	5499.64	5499.64

* ASSUMES SAME AS MW-9

BLOOMFIELD REFINING COMPANY

GROUNDWATER ELEVATIONS: 10/21/91

WELL NUMBER	ELEVATION T.O.P. (FT)	FR T.O.P. TO H2O (FT)	ELEVATION GW (FT)	THKNESS HC (FT)	ELEVATION TOP OF LIQ (FT)	ADJ GW ELEVATION (FT)
MW-1	5515.77	16.69	5499.08	0.00	5499.08	5499.08
MW-3	5535.85	34.84	5501.01	0.00	5501.01	5501.01
MW-4	5524.30	25.65	5498.65	0.58	5499.23	5499.10
MW-5	5545.10	43.48	5501.62	0.00	5501.62	5501.62
MW-6	5551.23					
MW-7	5524.09	24.15	5499.94	0.00	5499.94	5499.94
MW-8	5531.12	30.50	5500.62	0.00	5500.62	5500.62
MW-9	5519.70	21.65	5498.05	0.05	5498.10	5498.09
MW-11	5506.83	10.46	5496.37	0.00	5496.37	5496.37
MW-12	5498.36	9.91	5488.45	0.00	5488.45	5488.45
MW-13	5538.42	38.95	5499.47	0.00	5499.47	5499.47
MW-20	5516.44	17.93	5498.51	0.00	5498.51	5498.51
MW-21	5518.64	19.39	5499.25	0.00	5499.25	5499.25
RW-1	5525.92	27.65	5498.27	0.00	5498.27	5498.27
P-1	5524.62	26.43	5498.19	0.00	5498.19	5498.19
RW-2	5523.48	24.73	5498.75	0.31	5499.06	5498.99
P-2	5523.73	25.00	5498.73	0.38	5499.11	5499.03
RW-3	5516.86	19.37	5497.49	0.00	5497.49	5497.49
P-3	5507.20	9.33	5497.87	0.00	5497.87	5497.87
RW-14	5533.97	33.93	5500.04	0.38	5500.42	5500.34
RW-15	5533.32	33.66	5499.66	0.52	5500.18	5500.07
RW-16	5531.99	32.99	5499.00	1.13	5500.13	5499.88
RW-17	5530.43	31.65	5498.78	1.13	5499.91	5499.66
RW-18	5527.05	28.61	5498.44	0.94	5499.38	5499.17
RW-19	5527.08	28.20	5498.88	0.68	5499.56	5499.41

NOTE: ADJUSTED GROUNDWATER ELEVATION IS DETERMINED BY ADDING 78% OF THE HYDROCARBON THICKNESS TO THE ACTUAL GROUNDWATER ELEVATION.

