3R-186

ANNUAL MONITORING REPORTS DATE: 3/2006

2005 ANNUAL GROUNDWATER REPORT RECEIVED FEDERAL SITES VOLUME I

EL PASO TENNESSEE PIPELINE COMPANY MAR 17 2006

TABLE OF CONTENTS

Oil Conservation Division Environmental Bureau

METER of LINE ID	SITE NAME	TOWNSHIP	RANGE	SECTION	UNEI	
89961	Fields A#7A	32N	11W	34	E	3R170
89232	Johnston Fed #6A	31N	09W	35	F	3R202
94715	James F. Bell #1E	30N	13W	10	Р	312196
89620	Sandoval GC A #1A	30N	09W	35	С	3R 235
LD151	Lat 0-21 Line Drip	30N	09W	12	О	3R 213
73220	Fogelson 4-1 Com. #14	29N	11W	4	P	3R 068.
97213	Hamner #9	29N	09W	20	A	3R 190
LD174	LAT L 40	28N	04W	13	Н	3R 212
89894	Hammond #41A	27N	08W	25	О	5R186
94810	Miles Fed 1A	26N	.07W	5	F	3R 223
LD072	K27 LD072	25N	06W	. 4	Е	3R 204 ?
87640	Canada Mesa #2	24N	06W	24	I	3R 155







EPTPC GROUNDWATER SITES 2005 ANNUAL GROUNDWATER REPORT

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Hammond #41A Meter Code: 89894

SITE	DET	'AIL	5

Legal Description: Town: 27N Range: 8W Sec: 25 Unit: O

NMOCD Haz Ranking: 40 Land Federal Operator: R&G Drilling Company

Type:

PREVIOUS ACTIVITIES

Site Assessment: 6/94 Excavation: 7/94 Soil Boring: 7/95

Monitor Well: 5/97 Geoprobe: 11/96 Additional MWs: 9/99

Downgradient MWs: 9/99 Replace MW: NA Quarterly Initiated: 6/97

ORC Nutrient Re-

Injection: 7/98 Excavation: 5/97 PSH Removal Initiated: NA

Quarterly

Annual Initiated: 9/99 Resumed: NA

SUMMARY OF 2005 ACTIVITIES

MW-1: Quarterly water level water level monitoring was performed during 2005.

MW-2: Quarterly water level water level monitoring was performed during 2005.

MW-3: Quarterly water level water level monitoring was performed during 2005.

TMW-1: Quarterly sampling of TMW-1 was performed in February, May, August, and November 2005.

SITE MAPS

Site maps (February, May, August and November) are attached as Figures 1 through 4.

SUMMARY TABLES AND GRAPHS

- Analytical data from TMW-1 are summarized in Table 1, and historic data for all wells are presented graphically in Figures 5 through 8.
- Laboratory reports are presented in Attachment 1 (included on CD).
- Field documentation is presented in Attachment 2 (included on CD).

EPTPC GROUNDWATER SITES 2005 ANNUAL GROUNDWATER REPORT

Hammond #41A Meter Code: 89894

GEOLOGIC LOGS AND WELL COMPLETION DIAGRAMS

No subsurface activities were performed at this site during 2005.

DISPOSITION OF GENERATED WASTES

All purge water was taken to the El Paso Natural Gas Rio Vista Compressor Station.

ISOCONCENTRATION MAPS

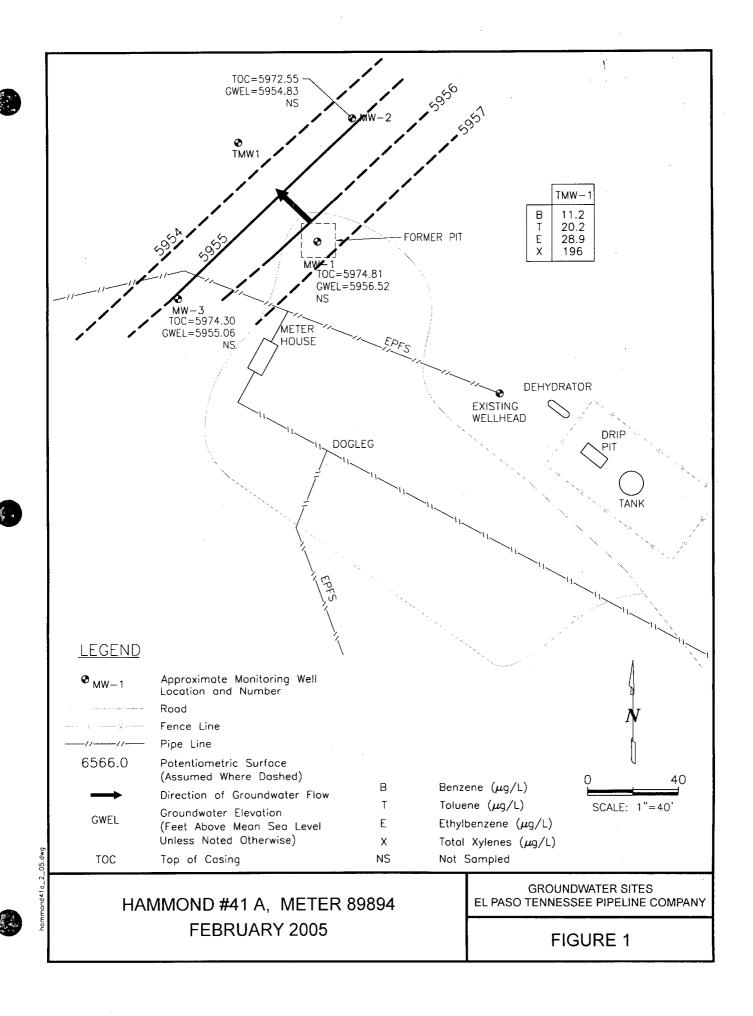
No isoconcentration maps were prepared for this site, however, the attached site maps present both the water level and analytical data collected during 2005.

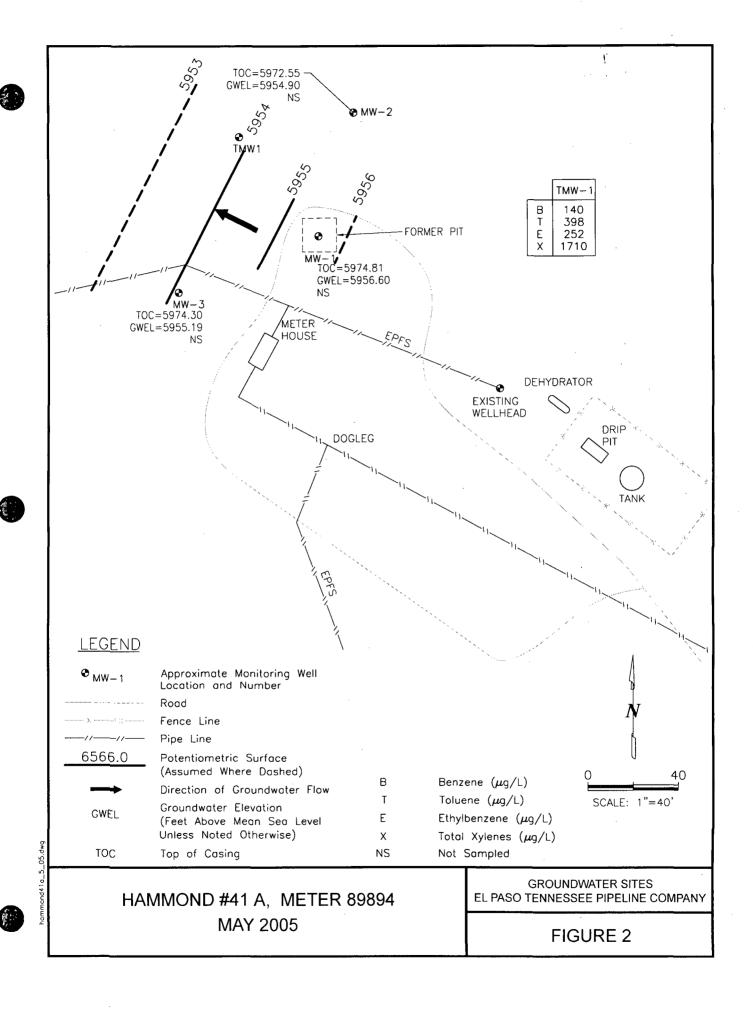
CONCLUSIONS

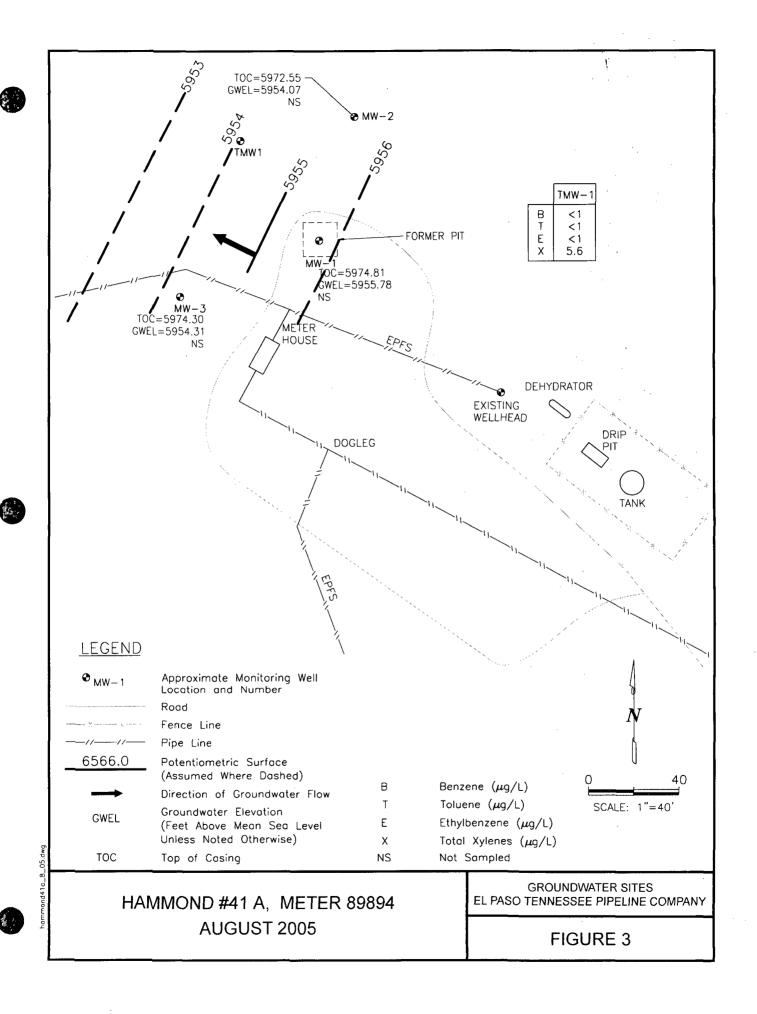
- Groundwater flow at the site is consistently to the northwest.
- Benzene and total xylenes concentrations were above standards in TMW-1 in samples collected in February and May of 2005. All BTEX concentrations were below standards August 2005. Benzene was above the standard in November 2005. This pattern was observed in 2004, indicating that the concentrations fluctuate with the seasons.
- Wells MW-1, MW-2 and MW-3 have met four consecutive quarters of BTEX concentrations below NMWQCC standards by 2002. TMW-1 was installed in 2003, as requested by NMOCD.

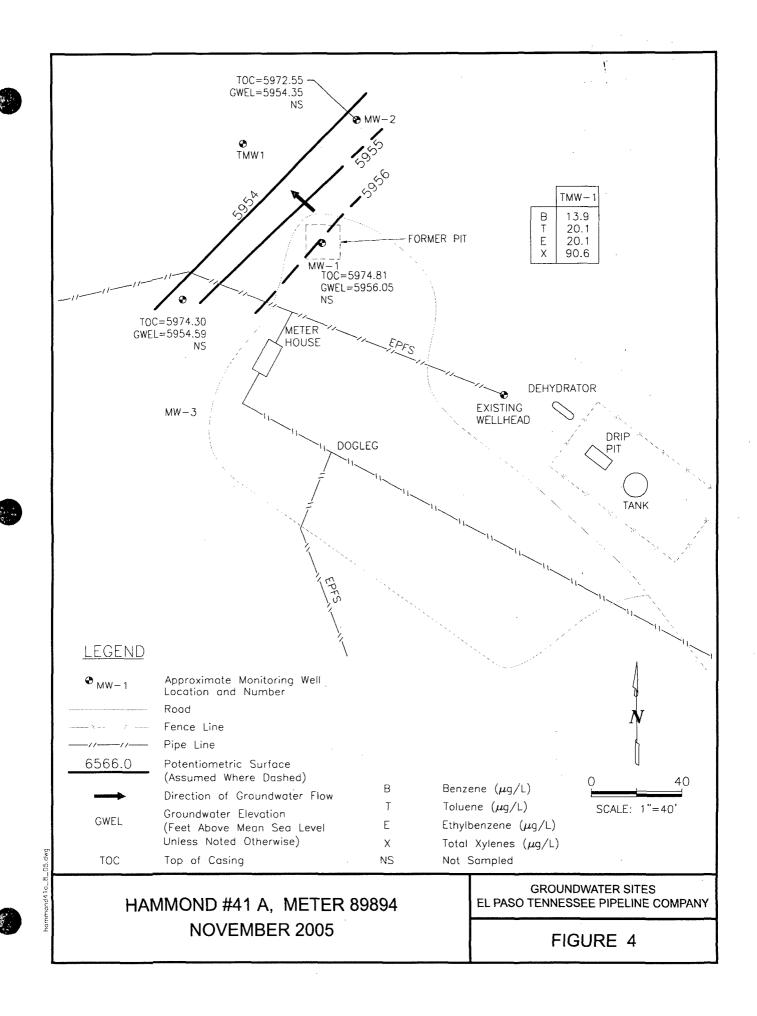
RECOMMENDATIONS

- EPTPC recommends continued quarterly sampling of TMW-1 until four consecutive quarters of BTEX concentrations below standards have been achieved, at which time the site will be submitted for closure.
- Because historic samples have indicated that these wells have achieved closure standards, MW-1, MW-2 and MW-3 will be sampled again only at final closure.
- Once closure has been granted, all monitoring wells will be plugged and abandoned in accordance with the approved well abandonment plan.







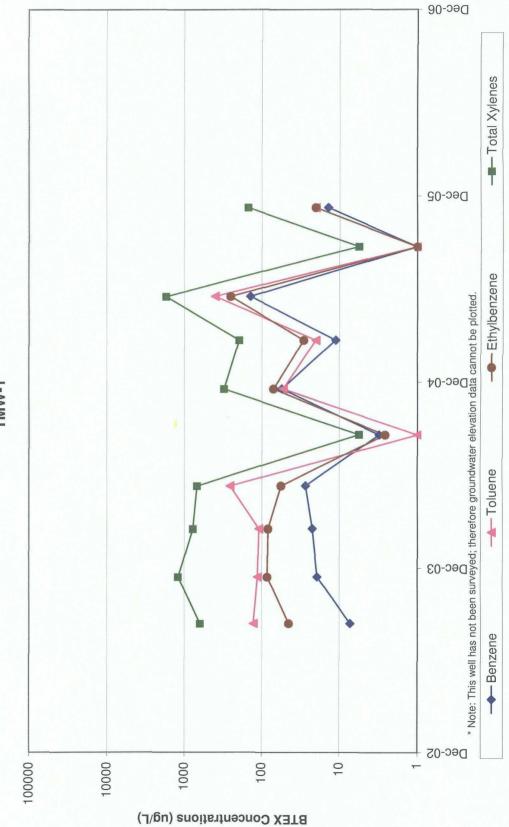




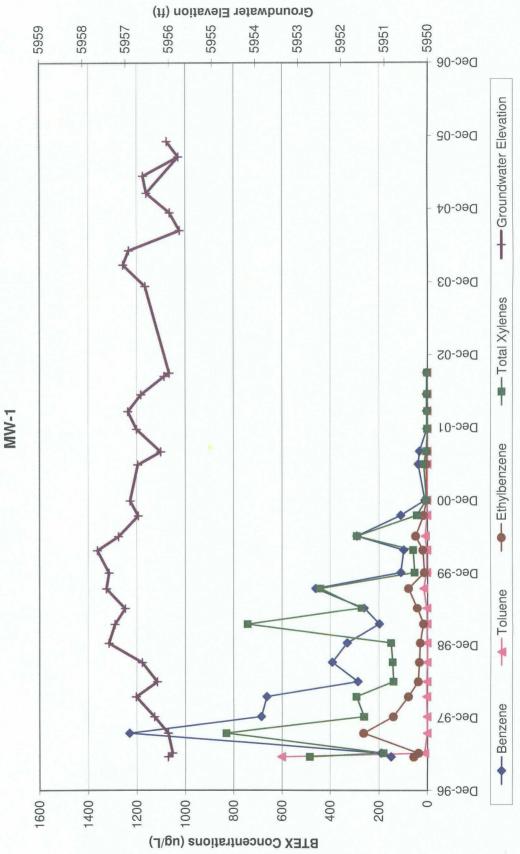
SUMMARY OF BTEX COMPOUNDS IN 2005 GROUNDWATER SAMPLES HAMMOND #41A (METER #89894)

			Ronzono	Toluono	Dthylbonzono	Total Valonos	Donth to Wotor
Site Name	Sample Date	Monitoring Well	(ug/L)	(ug/L)	cury includence (ug/L)	(ug/L)	(ug/L) (ug/L) (reet)
Hammond #41A	2/21/05	TMW1	11.2	20.2	28.9	961	16.43
Hammond #41A	5/18/05	TMW1	140	398	252	1710	16.35
Hammond #41A	8/23/05	TMW1	_	1		5.6	17.18
Hammond #41A	11/8/05	TMW1	13.9	20.1	20.1	149	16.91

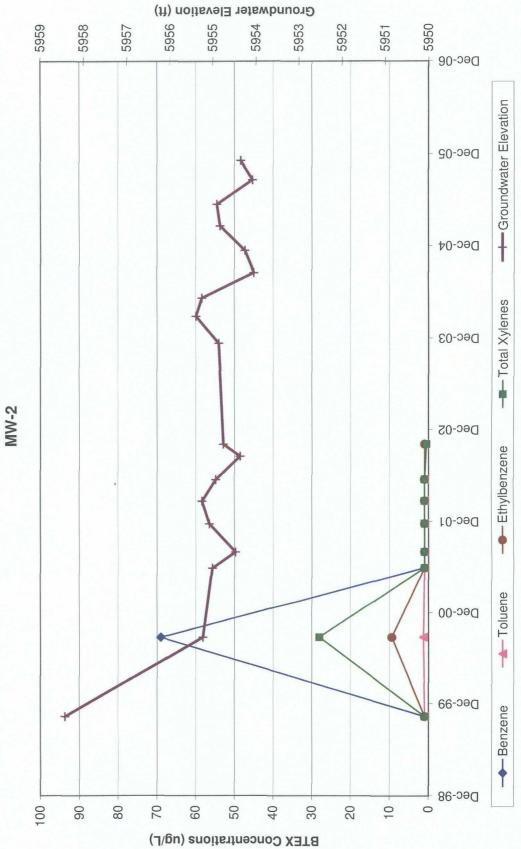
HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS HAMMOND #41A FIGURE 5 TMW-1



HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS HAMMOND #41A FIGURE 6



HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS HAMMOND #41A FIGURE 7



HISTORIC BTEX CONCENTRATIONS AND GROUNDWATER ELEVATIONS HAMMOND #41A FIGURE 8

