

Environmental  
Resources  
Management

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June 21, 2006

Mr. Mark Riggle  
Project Manager  
Voluntary Cleanup Section  
Texas Commission on Environmental Quality  
Mail Code 221  
12118 North IH 35, Building D  
Austin, Texas 78753

Project No. 0048422



Subject: First Half 2006 Monitoring Data Transmittal  
Former Cameron Iron Works Facility, Houston, Texas  
VCP No. 221

Dear Mr. Riggle:

On behalf of Cameron International Corporation, Environmental Resources Management Southwest, Inc. (ERM) is providing this transmittal of ground water and surface water data collected during the First Half 2006 Monitoring Event at the Former Cameron Iron Works Facility, Houston, Texas (the facility) for your records. In a March 22, 2004 comment letter, the Texas Commission on Environmental Quality (TCEQ) approved a routine ground water monitoring program as part of the response action for the facility. The objective of this transmittal is to determine if additional ground water or surface water samples should be collected during the next quarter (July 2006) to meet the response action objectives for the facility.

A semiannual ground water and surface water sampling schedule was initiated in September 2003. The data from this event is the sixth semiannual monitoring event since September 2003. A detailed monitoring report for the ground water and surface water analytical data collected during the second half of 2005 and the first half of 2006 will be provided to the TCEQ approximately two months after the final laboratory reports are received.

Attachment 1 provides a summary of the ground water and surface water analytical data that were collected during the first half of 2006. A review of the volatile organic ground water data for those wells outside the plume boundaries south of the facility (Table 1) indicates that the ground water concentrations remain below the Method Quantitation Limits (MQL) and Protective Concentration Levels (PCL) with the exception of samples collected at MW-70, MW-93, and MW-125.

The reported concentration of cis-1,2-dichloroethene (cis-1,2-DCE) was estimated (indicated by a J adjacent to the concentration, Attachment 1, Table 1) below the MQL collected at MW-70. 1,1-dichloroethane (1,1-DCA) was reported above the MQL but below the PCL. A ground water sample will be collected at MW-70 during July 2006 to meet the quarterly sampling requirements approved by the TCEQ on December 30, 2004.

Tetrachloroethene (PCE) was reported above the MQL and PCL for samples collected at MW-93 and MW-125 for each quarterly event since September 2005. On September 21 and 22, 2005, the injection of potassium permanganate was performed at the injection wells (IW-47 through IW-52) in the area of MW-93 and MW-125. The reported concentrations of PCE in this area appear to be stable. As part of the remedial response action in the area of MW-93, ground water samples will be collected at MW-93 and MW-125 during July 2006 and the presence of potassium permanganate in the injection wells (IW-47 through IW-52) will be monitored monthly.

Table 2 is a summary of the analytical results for samples collected north of I-10 and within the plume boundaries south of I-10 during the first half of 2006.

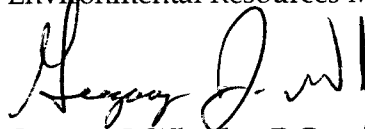
The reported surface water concentrations, summarized on Table 3, are below the critical PCLs provided in the *Human Health and Ecological Risk Assessment for Surface Water and Sediment*, dated June 19, 2003 and 80% of the Critical PCLs.

The quality assurance/quality control data and analytical laboratory reports will be provided in the 2006 Annual Ground Water Monitoring Report and Field Activities Summary, which should be submitted to your attention in July 2006.

Please contact Mr. Ted Fasting of Cameron International Corporation at (713) 513-3325 with any questions or comments.

Sincerely,

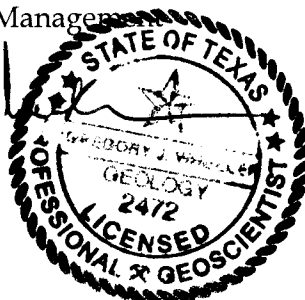
Environmental Resources Management



Gregory J. Wheeler, P.G.

GJW/rjp

Attachment



cc: Ted Fasting, Cameron International Corporation  
Bruce Himmelreich, Cameron International Corporation, (without attachment)  
Paul Stefan, Environmental Resources Management (Houston)  
Marsha Hill, Texas Commission on Environmental Quality, Region X II  
Robin Morse, Crain, Caton & James (without attachment)  
Scott Leafe, SKA Consulting  
Alan Feinsilver, Silber Road Reserve, L.P.

**Tables**  
*Attachment 1*

*June 21, 2006*  
*Project No. 0048422*

**Environmental Resources Management**  
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TABLE 1

Summary of Monitor Well Ground Water Data for Trigger Wells  
First Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility  
Houston, Texas

Constituent	MQL	Critical PCLs (a)	MW-70		MW-71		MW-72		MW-74		MW-77		MW-78		MW-79		MW-80		MW-81	
			Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:
1,1-Dichloroethane	0.0050	2.4	MW-70 25	4/25/2006	MW-71 25	4/27/2006	MW-72 24	4/27/2006	MW-74 27	4/24/2006	MW-77 30	4/27/2006	MW-78 26	4/25/2006	MW-79 33	4/27/2006	MW-80 31	4/27/2006	MW-81 28	11/23/2005
1,1-Dichloroethane	0.0050	0.0070		<b>0.0079</b>																
1,2-Dichloroethane	0.0050	0.0050																		
cis-1,2-Dichloroethane	0.0050	0.070																		
Tetrachloroethene	0.0050	0.0050																		
Trichloroethene	0.0050	0.0050																		
Vinyl Chloride	0.0020	0.0020																		
1,1-Dichloroethane	0.0050	2.4																		
1,1-Dichloroethane	0.0050	0.0070																		
1,2-Dichloroethane	0.0050	0.0050																		
cis-1,2-Dichloroethane	0.0050	0.070																		
Tetrachloroethene	0.0050	0.0050																		
Trichloroethene	0.0050	0.0050																		
Vinyl Chloride	0.0020	0.0020																		
1,1-Dichloroethane	0.0050	2.4																		
1,1-Dichloroethane	0.0050	0.0070																		
1,2-Dichloroethane	0.0050	0.0050																		
cis-1,2-Dichloroethane	0.0050	0.070																		
Tetrachloroethene	0.0050	0.0050																		
Trichloroethene	0.0050	0.0050																		
Vinyl Chloride	0.0020	0.0020																		

NOTES:

The reported concentrations are in mg/L.

0.01 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water critical PCLs.

ND (0.0050) = Not Detected at the Reporting Limit given in parentheses.

MQL = Method Quantitation Limit

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, 30-acre source area, Table 3, table for TRRP Rule dated March 31, 2006.

(b) The sample depths are reported in feet below ground surface.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 2

Summary of Monitor Well Ground Water Data  
First Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility  
Houston, Texas

Constituent	Critical PCLs (a)	Location: (b)		KMW-01		KMW-07		KMW-13		KMW-14		MW-01		MW-02 (c)		MW-07R		MW-15R		MW-16R		MW-17R		
		Depth:	Date:	25	4/26/2006	25	4/25/2006	25	4/24/2006	25	4/26/2006	25	4/25/2006	25	4/25/2006	25	4/25/2006	20	4/25/2006	20	4/25/2006	20	4/25/2006	20
1,1-Dichloroethane	2.4	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.016	ND (0.0050)	0.016	ND (0.0050)	0.029	ND (0.0050)	0.011	ND (0.0050)
1,1-Dichloroethane	0.0070	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.0076	ND (0.0050)	0.0076	0.0048 J	0.0048 J	0.0040 J	0.0040 J	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.013	ND (0.0050)	0.013	0.0040 J	0.0040 J	0.0040 J	0.0040 J	ND (0.0050)
cis-1,2-Dichloroethane	0.070	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.013	ND (0.0050)	0.013	0.0040 J	0.0040 J	0.0040 J	0.0040 J	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.013	ND (0.0050)	0.013	0.0040 J	0.0040 J	0.0040 J	0.0040 J	ND (0.0050)
Trichloroethene	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	ND (0.0050)	NA	NA	NA	NS	ND (0.0050)	NS	NA	ND (0.0050)	0.013	ND (0.0050)	0.013	0.0040 J	0.0040 J	0.0040 J	0.0040 J	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	NA	ND (0.0020)	NA	ND (0.0020)	NA	ND (0.0020)	NA	NA	NA	NS	ND (0.0020)	NS	NA	ND (0.0020)	0.010	ND (0.0020)	0.010	0.0020	0.0020	0.0020	0.0020	ND (0.0020)

Constituent	Critical PCLs (a)	Location: (b)		MW-42		MW-44 (d)		MW-48		MW-50		MW-52		MW-54		MW-59		MW-60		MW-61					
		Depth:	Date:	23	4/26/2006	25	4/25/2006	23	4/25/2006	25	4/25/2006	25	4/24/2006	23	4/25/2006	25	4/25/2006	34	4/25/2006	23	4/25/2006				
1,1-Dichloroethane	2.4	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.53	ND (0.0050)	0.53	ND (0.0050)	0.53	ND (0.0050)	0.53	ND (0.0050)	
1,1-Dichloroethane	0.0070	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.72	ND (0.0050)	0.72	8.3	ND (0.0050)	8.3	ND (0.0050)	8.3	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.18	ND (0.0050)	0.18	0.28	ND (0.0050)	0.28	ND (0.0050)	0.28	ND (0.0050)
cis-1,2-Dichloroethane	0.070	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.81	ND (0.0050)	0.81	1.5	ND (0.0050)	1.5	ND (0.0050)	1.5	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.12	ND (0.0050)	0.12	1.5	ND (0.0050)	1.5	ND (0.0050)	1.5	ND (0.0050)
Trichloroethene	0.0050	ND (0.0050)	NA	ND (0.0050)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.63	ND (0.0050)	0.63	1.5	ND (0.0050)	1.5	ND (0.0050)	1.5	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	NA	ND (0.0020)	NA	NS	NA	NS	NA	NA	NA	NA	NA	NA	NA	ND (0.0020)	0.38	ND (0.0020)	0.38	5.5	ND (0.0020)	5.5	ND (0.0020)	5.5	ND (0.0020)

Constituent	Critical PCLs (a)	Location: (b)		MW-62		MW-64		MW-65		MW-73		MW-75R		MW-76		MW-82		MW-83 (e)		MW-87		MW-88	
		Depth:	Date:	25	4/27/2006	25	4/26/2006	25	4/26/2006	25	4/26/2006	33	4/26/2006	31	4/25/2006	31	4/25/2006	30	4/25/2006	32	4/27/2006	38	4/27/2006
1,1-Dichloroethane	2.4	0.0049 J	NA	0.0077	NA	0.0046 J	NA	0.0073	NA	0.0026 J	0.0066	0.0051	0.0049 J	0.0051	0.014	0.0051	NS	NS	NS	0.0087	0.0079	0.0079	ND (0.0050)
1,1-Dichloroethane	0.0070	ND (0.0050)	NA	0.0063	NA	0.0015 J	NA	0.0014 J	NA	0.0010 J	0.0010 J	0.0081	0.0010 J	0.0081	0.0081	0.0081	NS	NS	NS	0.0013 J	0.0013 J	0.0013 J	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	NA	0.0015 J	NA	0.0015 J	NA	0.0015 J	NA	0.0010 J	0.0010 J	0.0094	0.0010 J	0.0094	0.0094	0.0094	NS	NS	NS	0.0072	0.0072	0.0072	ND (0.0050)
cis-1,2-Dichloroethane	0.070	ND (0.0050)	NA	0.0046 J	NA	0.0046 J	NA	0.0046 J	NA	0.0010 J	0.0010 J	0.026	0.0010 J	0.026	0.026	0.026	NS	NS	NS	0.0072	0.0072	0.0072	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	NA	0.0015 J	NA	0.0015 J	NA	0.0015 J	NA	0.0010 J	0.0010 J	0.0094	0.0010 J	0.0094	0.0094	0.0094	NS	NS	NS	0.0072	0.0072	0.0072	ND (0.0050)
Trichloroethene	0.0050	ND (0.0050)	NA	0.0046 J	NA	0.0046 J	NA	0.0046 J	NA	0.0010 J	0.0010 J	0.026	0.0010 J	0.026	0.026	0.026	NS	NS	NS	0.0072	0.0072	0.0072	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	NA	0.0038	NA	0.0038	NA	0.0038	NA	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	NS	NS	NS	0.0020	0.0020	0.0020	ND (0.0020)

NOTES:

The reported concentrations are in mg/L.

0.10 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NS = Not Sampled because of the presence of potassium permanganate.

ND (0.0050) = Not Detected at the Reporting Limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater PCLs, 30-acre source area, Table 3, table for TRRP Rule dated March 31, 2006.

(b) The sample depths are reported in feet below ground surface.

(c) A solution of potassium permanganate was injected in January 2004.

(d) A solution of potassium permanganate was injected in January 2005.

(e) A solution of potassium permanganate was injected in October 2005.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 2 (Cont'd)

Summary of Monitor Well Ground Water Data  
First Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility  
Houston, Texas

Constituent	Critical PCLs (a)	MW-89		MW-90		MW-91		MW-92		MW-94		MW-99		MW-100		MW-101		MW-102		MW-106	
		Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:	Location: Depth: (b)	Date:
1,1-Dichloroethane	2.4	37	4/26/2006	35	4/25/2006	37	4/25/2006	43	4/26/2006	25	4/26/2006	32	4/27/2006	31	4/27/2006	30	4/26/2006	45	4/26/2006	42	4/24/2006
1,1-Dichloroethane	0.0070	0.0035 J	0.0171	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0034 J	0.026	0.0017 J	0.0039 J	0.0017 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	0.0082	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.019	0.030	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070	0.013	0.0035 J	0.0035 J	0.0035 J	0.0022 J	0.0053	0.0053	0.0053	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0081	0.0044 J	0.0044 J	0.0011 J	0.0011 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	0.42	0.42	0.42	0.28	0.85	0.85	0.85	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.19	0.19	0.19	0.37	0.37	0.51	0.51
Trichloroethene	0.0050	0.072	0.0091	0.0091	0.0091	0.0045 J	0.0061	0.0061	0.0061	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0015 J	0.029	0.029	0.021 J	0.021 J	0.0046 J	0.0046 J	0.0046 J
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)
Constituent	Critical PCLs (a)	MW-107		MW-108		MW-109		MW-110		MW-111		MW-112		MW-113		MW-114		MW-115		MW-116	
1,1-Dichloroethane	2.4	42	4/26/2006	27	4/24/2006	26	4/24/2006	27	4/24/2006	26	4/24/2006	26	4/24/2006	27	4/24/2006	32	4/25/2006	34	4/24/2006	34	4/27/2006
1,1-Dichloroethane	0.0070	ND (0.0050)	0.071	0.071	0.071	0.13	0.084	0.084	0.084	NA	NA	NA	NA	NA	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	0.0076 J	0.0076 J	0.0076 J	0.15	0.065	0.065	0.065	0.0055	0.0055	0.023	0.023	ND (0.0050)	ND (0.0050)	0.0081	0.0081	0.40	0.40	0.40	0.40
cis-1,2-Dichloroethene	0.070	0.00076 J	0.00076 J	0.00076 J	0.00076 J	0.15	0.065	0.065	0.065	NA	NA	0.25	0.25	ND (0.0050)	ND (0.0050)	0.0023 J	0.0023 J	0.0074	0.0074	0.0074	0.0074
Tetrachloroethene	0.0050	0.48	0.48	0.48	0.48	0.070	0.0099	0.0099	0.0099	0.038	0.038	0.17	0.17	ND (0.0050)	ND (0.0050)	0.093	0.093	0.0050	0.0050	0.0050	0.0050
Trichloroethene	0.0050	0.0087	0.0087	0.0087	0.0087	0.039	0.019	0.019	0.019	ND (0.0050)	ND (0.0050)	0.026	0.026	ND (0.0050)	ND (0.0050)	0.0073	0.0073	0.0044 J	0.0044 J	0.0044 J	0.0044 J
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.0043	0.018	0.018	0.018	0.0047	0.0047	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)
Constituent	Critical PCLs (a)	MW-118		MW-120		MW-121		MW-124		MW-127		MW-128		MW-129		MW-130		MW-02 (C)		MW-02 (C)	
1,1-Dichloroethane	2.4	27	4/27/2006	25	4/25/2006	28	4/26/2006	29	4/27/2006	32	4/24/2006	40	4/25/2006	35	4/25/2006	25	4/25/2006	23	11/22/2005	23	4/26/2006
1,1-Dichloroethane	0.0070	0.017	0.017	0.0067	0.0017 J	0.055	0.0042 J	0.0042 J	0.0042 J	ND (0.0050)	ND (0.0050)	0.078	0.078	0.079	0.079	ND (0.0050)	ND (0.0050)	NA	NA	NA	NA
1,2-Dichloroethane	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0052	0.0052	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070	0.0048 J	0.0048 J	0.0048 J	0.0048 J	0.0050	0.0050	0.0050	0.0050	0.0052	0.0052	0.0066	0.0066	0.0066	0.0066	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.014	0.014	0.014	0.014	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	0.021	0.021	0.021	0.021	0.0050	0.0050	0.0050	0.0050	0.027	0.027	0.0032 J	0.0032 J	0.018	0.018	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

NOTES:

The reported concentrations are in mg/L.

[0.10] = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NS = Not Sampled because of the presence of potassium permanganate.

ND (0.0050) = Not Detected at the Reporting Limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater PCLs, 30-acre source area. Table 3, table for TRRP Rule dated March 31, 2006.

(b) The sample depths are reported in feet below ground surface.

(c) A solution of potassium permanganate was injected in January 2004.

(d) A solution of potassium permanganate was injected in January 2005.

(e) A solution of potassium permanganate was injected in October 2005.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 2 (Cont'd)

Summary of Monitor Well Ground Water Data  
 First Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility  
 Houston, Texas

Constituent	Critical PCLs (a)	Location:	
		MW-02 (S)	MW-03 (S)
		Depth: (b)	23
		Date:	4/25/2006
1,1-Dichloroethane	2.4	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0070	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)

NOTES:

The reported concentrations are in mg/L.

[0.10] = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NS = Not Sampled because of the presence of potassium permanganate.

ND (0.0050) = Not Detected at the Reporting Limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater PCLs, 30-acre source area, Table 3, table for TRRP Rule dated March 31, 2006.

(b) The sample depths are reported in feet below ground surface.

(c) A solution of potassium permanganate was injected in January 2004.

(d) A solution of potassium permanganate was injected in January 2005.

(e) A solution of potassium permanganate was injected in October 2005.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 3

Summary of Surface Water Data  
 First Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility  
 Houston, Texas

Constituent	Critical PCLs (a)	80% Critical PCL (a)	Location:		SWD-15 4/24/2006
			Date:	SWD-14 4/24/2006	
1,1-Dichloroethane	5.13	4.10	ND (0.0050)	ND (0.0050)	0.0016 J
1,1-Dichloroethene	0.06	0.05	ND (0.0050)	ND (0.0050)	0.010
1,2-Dichloroethane	0.554	0.443	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	9.36	7.49	ND (0.0050)	ND (0.0050)	0.00085 J
Tetrachloroethene	0.790	0.632	ND (0.0050)	0.0014 J	0.0012 J
Trichloroethene	1.110	0.888	ND (0.0050)	ND (0.0050)	0.0021 J
Vinyl Chloride	0.0336	0.0269	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	80% Critical PCL (a)	Location:		SWD-20 4/24/2006
			Date:	SWD-18 4/24/2006	
1,1-Dichloroethane	5.13	4.10	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.06	0.05	0.0029 J	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.554	0.443	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	9.36	7.49	0.0014 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.790	0.632	0.014	0.0073	ND (0.0050)
Trichloroethene	1.110	0.888	0.00088 J	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0336	0.0269	ND (0.0020)	ND (0.0020)	ND (0.0020)

NOTES:

The reported concentrations are in mg/L.  
 ND (0.0050) = *Not Detected* at the Reporting Limit given in parentheses.  
 J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.  
 (a) Taken from the critical PCLs calculated in the *Human Health Ecological Risk Assessment for Surface Water and Sediment*, dated June 2003.  
 SWD = Surface Water Harris County Flood Control Ditch.