

December 13, 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. 0056988

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

Dear Mr. Riggle:

On behalf of Cameron International Corporation (Cameron), Environmental Resources Management Southwest, Inc. (ERM) is providing this transmittal of ground water and surface water data collected during the Second 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 semiannual ground water monitoring program as part of the response action for the facility. In some instances, quarterly monitoring is used to track upward trends in concentrations. The objective of this transmittal is to determine if additional ground water or surface water samples should be collected during the next quarter (January 2007) at selected locations 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 seventh 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 2006 and the first half of 2007 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 second 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-78, MW-93, MW-96, MW-125, and MW-126.

MW-78

1,1-dichloroethene (1,1-DCE) was reported at 0.0053 mg/L, above the MQL but below the PCL (Attachment 1, Table 1) for MW-78 on October 24, 2006. This is the first sampling event with a detected concentration of 1,1-DCE collected at MW-78. The confirmation sample collected on November 10, 2006 had a reported concentration of 0.043 mg/L, which exceeds the MQL and PCL of 0.0050 mg/L and 0.0070 mg/L respectively.

MW-96

1,1-DCE was reported at 0.0082 mg/L, above the MQL and the PCL (Attachment 1, Table 1) for MW-96 on October 26, 2006. This is the first sampling event with a reported concentration of 1,1-DCE above the MQL in a ground water sample collected at MW-96. The confirmation sample collected on November 10, 2006 had a reported concentration of 0.017 mg/L, which exceeds the MQL and PCL of 0.0050 mg/L and 0.0070 mg/L respectively. In addition, 1,1-dichloroethane (1,1-DCA) was reported as estimated (indicated by a J adjacent to the concentration) below the MQL during both aforementioned monitoring events.

MW-126

Tetrachloroethene (PCE) was reported at 0.0053 mg/L, above the MQL and PCL (Attachment 1, Table 1) for MW-126 on October 24, 2006. The confirmation sample collected on November 10, 2006 had a reported concentration of 0.0080 mg/L which exceeds the MQL and PCL of 0.0050 mg/L. In addition, 1,1-DCA and trichloroethene (TCE) were reported as estimated concentrations below the MQL during both sampling events on October 24, 2006 and November 10, 2006. 1,1-DCE was reported as estimated (indicated by a J adjacent to the concentration) below the MQL on October 24, 2006, and reported above the MQL but below the PCL on November 10, 2006. Historically, reported concentrations of PCE collected at MW-126 have been below the MQL, except during the October 2004 sampling event. On October 27, 2004, a ground water sample collected at MW-126 had a reported concentration of 0.069 mg/L. A review of the historical analytical data for ground water collected at MW-126 indicates that concentrations appear to fluctuate seasonally in this area, but overall the concentrations are stable or decreasing with time.

For the response action in the area of MW-78, MW-96, and MW-126, Cameron proposes to monitor the ground water concentrations at MW-78, MW-96, and MW-126 quarterly until concentrations are below the MQLs. If concentrations are above the PCLs for four consecutive quarters, then notification letters will be sent to the appropriate property owners and the response action for these areas will be evaluated to identify an appropriate remedy.

MW-70

The reported concentration of 1,1-DCA (0.0090 mg/L) and cis-1,2-dichloroethene (cis-1,2-DCE) (0.0057 mg/L) were reported above the MQL, but below the PCL (Attachment 1, Table 1) collected at MW-70. 1,1-DCE and TCE were reported estimated below the MQL. A ground water sample will be collected at MW-70 during January 2007 to meet the quarterly sampling requirements approved by the TCEQ on November 6, 2006.

MW-93 and MW-125

PCE has been reported above the MQL and PCL for the samples collected at MW-93 and MW-125 for each quarterly event since September 2005. On October 2 and 3, 2006, the injection of potassium permanganate was performed at the injection wells (IW-49 through IW-52) in the area of MW-93 and MW-125 as the response actions approved by the TCEQ on August 31, 2006. The reported concentrations of PCE in this area appear to be stable. As part of the response action in the area of MW-93, ground water samples will continue to be collected at MW-93 and MW-125 quarterly 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 second half of 2006.

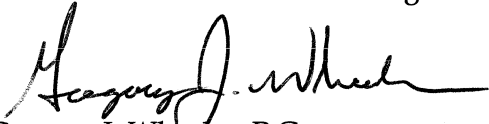
The reported surface water concentrations, summarized on Table 3, are below the critical PCLs provided in the *Human Health and Ecological Risk Assessment for Surface Water and Sediment*, dated June 19, 2003 and 80% of the Critical PCLs.

The quality assurance/quality control data and analytical laboratory reports will be provided in the 2007 Annual Ground Water Monitoring Report and Field Activities Summary, which should be submitted to your attention in July 2007.

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/mnt
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
Scott Leafe, SKA Consulting

Tables
Attachment 1

December 13, 2006
Project No. 0056988

Environmental Resources Management
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TABLE 1

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

Former Cameron Iron Works Facility
Houston, Texas

Constituent	MQL	Critical PCLs (a)	Location:											
			MW-70		MW-71	MW-72	MW-74	MW-77	MW-78		MW-79	MW-80	MW-81	
			Depth: (b)	25	25	24	27	30	26		33	31	28	
Date:	10/26/2006	10/25/2006	10/25/2006	10/24/2006	10/27/2006	10/24/2006	11/10/2006	10/25/2006	10/25/2006	10/26/2006				
1,1-Dichloroethane	0.0050	2.4	0.0090	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)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0050	0.0070	0.0015 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0053	0.043	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	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)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.0050	0.070	0.0057	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)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	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)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	0.0050	0.0013 J	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)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	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	MQL	Critical PCLs (a)	Location:											
			MW-84		MW-85R	MW-86	MW-93	MW-95	MW-96		MW-97	MW-98	MW-117	
			Depth: (b)	31	29	33	43	30	33		38	36	25	
Date:	10/25/2006	10/26/2006	10/26/2006	10/24/2006	10/25/2006	10/26/2006	11/10/2006	10/27/2006	10/27/2006	10/27/2006				
1,1-Dichloroethane	0.0050	2.4	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00072 J	0.0020 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0050	0.0070	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0082	0.017	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	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)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.0050	0.070	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00070 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.13	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	0.0050	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)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	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	MQL	Critical PCLs (a)	Location:							
			MW-119		MW-122	MW-123	MW-125	MW-126		MW-131
			Depth: (b)	28	28	27.5	32	25		25
Date:	10/25/2006	10/27/2006	10/26/2006	10/24/2006	10/24/2006	11/10/2006	10/24/2006			
1,1-Dichloroethane	0.0050	2.4	0.00086 J	0.00058 J	ND (0.0050)	ND (0.0050)	0.0015 J	0.0024 J	ND (0.0050)	
1,1-Dichloroethene	0.0050	0.0070	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0026 J	0.0051	ND (0.0050)	
1,2-Dichloroethane	0.0050	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	0.0050	0.070	0.00054 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Tetrachloroethene	0.0050	0.0050	0.0018 J	ND (0.0050)	ND (0.0050)	0.013	0.0053	0.0080	ND (0.0050)	
Trichloroethene	0.0050	0.0050	0.0011 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0011 J	0.0022 J	ND (0.0050)	
Vinyl Chloride	0.0020	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.

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

Bold values exceed the MQL.

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
Second Half 2006 Monitoring Data TransmittalFormer Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	KMW-01	KMW-07	KMW-13	KMW-14	MW-01	MW-02 (c,g)	MW-07R	MW-15R	MW-16R	MW-17R
		Date:	25	25	25	25	25	25	25	20	20	20
		10/25/2006	10/24/2006	10/24/2006	10/24/2006	10/25/2006	10/23/2006	10/23/2006	10/25/2006	10/25/2006	10/25/2006	
1,1-Dichloroethane	2.4	NA	NA	NA	NA	NA	NS	NA	0.013	0.026	0.0010 J	
1,1-Dichloroethene	0.0070	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.13	NS	0.049	0.039	0.095	0.0048 J	
1,2-Dichloroethane	0.0050	NA	NA	NA	NA	NA	NS	NA	ND (0.0050)	0.00066 J	ND (0.0050)	
cis-1,2-Dichloroethene	0.070	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0012 J	NS	ND (0.0050)	0.0084	0.0054	ND (0.0050)	
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	NS	ND (0.0050)	0.017	0.0040 J	ND (0.0050)	
Trichloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	NS	ND (0.0050)	0.0057	0.0060	ND (0.0050)	
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.0036	NS	ND (0.0020)	ND(0.0020)	ND(0.0020)	ND (0.0020)	

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	MW-35 (c,d,g)	MW-42 (f)	MW-44 (d,g)	MW-48 (g)	MW-50	MW-52	MW-54	MW-59	MW-60	MW-61
		Date:	26	23	25	23	25	25	23	25	34	23
		10/23/2006	10/23/2006	10/23/2006	10/23/2006	10/25/2006	10/23/2006	10/24/2006	10/27/2006	10/26/2006	10/26/2006	
1,1-Dichloroethane	2.4	NS	NS	NS	NS	NA	NA	NA	ND (0.0050)	ND (0.0050)	ND (0.0050)	
1,1-Dichloroethene	0.0070	NS	NS	NS	NS	46	0.058	0.65	ND (0.0050)	ND (0.0050)	ND (0.0050)	
1,2-Dichloroethane	0.0050	NS	NS	NS	NS	NA	NA	NA	ND (0.0050)	ND (0.0050)	ND (0.0050)	
cis-1,2-Dichloroethene	0.070	NS	NS	NS	NS	0.74	ND (0.0050)	5.6	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Tetrachloroethene	0.0050	NS	NS	NS	NS	0.17	ND (0.0050)	0.33	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Trichloroethene	0.0050	NS	NS	NS	NS	0.85	ND (0.0050)	1.4	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Vinyl Chloride	0.0020	NS	NS	NS	NS	5.6	ND (0.0020)	0.26	ND (0.0020)	ND (0.0020)	ND (0.0020)	

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	MW-62	MW-64	MW-65	MW-73	MW-75R	MW-76	MW-82	MW-83 (e)	MW-87	MW-88
		Date:	10/24/2006	10/25/2006	10/25/2006	10/27/2006	10/26/2006	10/25/2006	10/25/2006	10/25/2006	10/27/2006	10/27/2006
1,1-Dichloroethane	2.4	NA	NA	NA	0.0066	0.0040 J	0.00085 J	0.0064	NS	0.0079	0.0012 J	
1,1-Dichloroethene	0.0070	0.0011 J	ND (0.0050)	0.0064	0.028	0.0040 J	ND (0.0050)	0.024	NS	0.023	0.015	
1,2-Dichloroethane	0.0050	NA	NA	NA	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	NS	0.0021 J	ND (0.0050)	
cis-1,2-Dichloroethene	0.070	ND (0.0050)	0.0037 J	0.0053	0.0049 J	ND (0.0050)	0.0062	0.0096	NS	0.0012 J	ND (0.0050)	
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0058	0.065	NS	ND (0.0050)	ND (0.0050)	
Trichloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.032	ND (0.0050)	0.0063	0.023	NS	0.0058	ND (0.0050)	
Vinyl Chloride	0.0020	ND (0.0020)	ND (0.0020)	0.0029	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	NS	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.

NA = Not Analyzed.

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) Permanganate present; a solution of potassium permanganate was injected in October 2005.

(f) Damaged during demolition activities in September 2006.

(g) Inaccessible because of water around monitor well.

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

L = Biased low.

TABLE 2 (Cont'd)

Summary of Monitor Well Ground Water Data
Second Half 2006 Monitoring Data TransmittalFormer Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:									
		MW-89	MW-90	MW-91	MW-92	MW-94	MW-99	MW-100	MW-101	MW-102	MW-106
		Depth: (b) Date:	37 10/25/2006	35 10/24/2006	37 10/25/2006	43 10/24/2006	25 10/26/2006	32 10/26/2006	31 10/26/2006	30 10/26/2006	45 10/24/2006
1,1-Dichloroethane	2.4	0.0033 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0065	0.010	0.0023 J	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0070	0.017	0.011	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.057	0.016	0.0049 J	ND (0.0050)	ND (0.0050)
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)	ND (0.0050)
cis-1,2-Dichloroethene	0.070	0.011	0.0048 J	0.0018 J	0.0045 J	ND (0.0050)	0.00057 J	0.0071	0.0049 J	0.0027 J	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	0.44	0.28	0.58	ND (0.0050)	0.0011 J	ND (0.0050)	0.17	0.78	0.42
Trichloroethene	0.0050	0.059	0.013	0.0045 J	0.0042 J	ND (0.0050)	ND (0.0050)	0.0011 J	0.027	0.0039 J	0.0052
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)

Constituent	Critical PCLs (a)	Location:									
		MW-107	MW-108	MW-109	MW-110	MW-111	MW-112	MW-113	MW-114	MW-115	MW-116
		Depth: (b) Date:	42 10/24/2006	27 10/23/2006	26 10/23/2006	27 10/23/2006	26 10/23/2006	26 10/24/2006	27 10/24/2006	32 10/24/2006	34 10/23/2006
1,1-Dichloroethane	2.4	ND (0.0050)	NA	NA	NA	NA	NA	NA	0.0012 J	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0070	ND (0.0050)	0.12	0.17	0.19	0.0043 J	0.060	ND (0.0050)	0.015	1.2	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	NA	NA	NA	NA	NA	NA	ND (0.0050)	0.015	ND (0.0050)
cis-1,2-Dichloroethene	0.070	ND (0.0050)	0.0013 J	0.24	0.028	0.075	0.39	ND (0.0050)	0.0045 J	0.0018 J	ND (0.0050)
Tetrachloroethene	0.0050	0.78	ND (0.0050)	0.088	0.0051	0.0012 J	0.20	ND (0.0050)	0.19	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	0.0074	0.0045 J	0.055	0.0079	0.0017 J	0.075	ND (0.0050)	0.015	0.0087	ND (0.0050)
Vinyl Chloride	0.0020	ND (0.0020)	0.010	0.0062	0.0067	0.0093	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:									
		MW-118	MW-120	MW-121	MW-124	MW-127	MW-128	MW-129	MW-130	MW-02 (C)	MW-02 (S)
		Depth: (b) Date:	27 10/25/2006	25 10/25/2006	28 10/26/2006	29 10/24/2006	32 10/23/2006	40 10/23/2006	35 10/24/2006	25 10/24/2006	23 10/23/2006
1,1-Dichloroethane	2.4	0.0025 J	0.0033 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.087	ND (0.0050)	NA	ND (0.0050)
1,1-Dichloroethene	0.0070	0.013	0.014	0.087	0.0034 J	0.0084	ND (0.0050)	0.43 JL	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0024 J	ND (0.0050)	NA	ND (0.0050)
cis-1,2-Dichloroethene	0.070	0.0045 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0061	0.0015 J	0.012	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00085 J	ND (0.0050)	ND (0.0050)	0.040	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050	0.023	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.027	0.0080	0.036	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)

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.

NA = Not Analyzed.

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) Permanganate present; a solution of potassium permanganate was injected in October 2005.

(f) Damaged during demolition activities in September 2006.

(g) Inaccessible because of water around monitor well.

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

L = Biased low.

TABLE 2 (Cont'd)

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

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-03 (S)
		Depth: (b)	23
		Date:	10/24/2006
1,1-Dichloroethane	2.4		ND (0.0050)
1,1-Dichloroethene	0.0070		ND (0.0050)
1,2-Dichloroethane	0.0050		ND (0.0050)
cis-1,2-Dichloroethene	0.070		ND (0.0050)
Tetrachloroethene	0.0050		ND (0.0050)
Trichloroethene	0.0050		ND (0.0050)
Vinyl Chloride	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.

NA = Not Analyzed.

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) Permanganate present; a solution of potassium permanganate was injected in October 2005.

(f) Damaged during demolition activities in September 2006.

(g) Inaccessible because of water around monitor well.

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

L = Biased low.

TABLE 3

Summary of Surface Water Data
Second Half 2006 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical	80% Critical	Location:	SWD-12	SWD-14	SWD-15
	PCLs (a)	PCL (a)		Date:	10/23/2006	10/23/2006
1,1-Dichloroethane	5.13	4.10		0.0014 J	0.0063	0.0037 J
1,1-Dichloroethene	0.06	0.05		ND (0.0050)	0.034	0.020
1,2-Dichloroethane	0.554	0.443		ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	9.36	7.49		0.00054 J	0.0029 J	0.0028 J
Tetrachloroethene	0.790	0.632		ND (0.0050)	0.0043 J	0.0031 J
Trichloroethene	1.110	0.888		ND (0.0050)	0.0051	0.0055
Vinyl Chloride	0.0336	0.0269		ND (0.0020)	0.0032	ND (0.0020)

Constituent	Critical	80% Critical	Location:	SWD-17	SWD-18	SWD-20
	PCLs (a)	PCL (a)		Date:	10/23/2006	10/23/2006
1,1-Dichloroethane	5.13	4.10		ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.06	0.05		0.0034 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		0.0021 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.790	0.632		0.016	ND (0.0050)	ND (0.0050)
Trichloroethene	1.110	0.888		0.0016 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.