

June 12, 2008

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. 0082862



Subject: First Half 2008 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 SW) is providing this transmittal of ground water and surface water data to the Texas Commission on Environmental Quality (TCEQ) for your records. The objective of this transmittal is to secure your concurrence on the proposed response actions for the Former Cameron Iron Works Facility (the facility). A summary table (Table 1) has been created to convey this information, as well as the future course of action for the area.

A semiannual ground water and surface water sampling event was completed in April 2008. Confirmation sampling of MW-139 and MW-167 was completed in May 2008.

A summary of the ground water analytical data for the trigger wells collected during the first half of 2008 is presented in Table 2. Table 3 is a summary of the analytical results for samples collected at non-trigger wells located north and south of I-10 during the first half of 2008. The ground water analytical results were compared to the response action items outlined in the *Response Action Plan* (RAP) dated August 28, 2003 and summarized in Table 1.

The reported surface water concentrations, summarized on Table 4, 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.

Conclusions and Recommendations

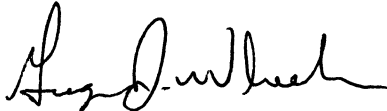
The following response actions will be performed to meet the requirements of the RAP in the next three months:

- COC concentrations will be monitored in ground water at MW-70, MW-139, and MW-167 on a quarterly basis. The next quarterly sampling event is scheduled for July 2008;
- Affected ground water south of MW-70 will be delineated; and
- In areas of MW-93, MW-125, MW-139, and MW-167, monitor/injection wells will be monitored and levels of permanganate will be maintained to address affected ground water at these locations.

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

Sincerely,

Environmental Resources Management Southwest, Inc.



Gregory J. Wheeler, P.G.

GJW/skd
Attachment

cc: Marsha Hill, Texas Commission on Environmental Quality, Region X II
Ted Fasting, Cameron International Corporation
Bruce Himmelreich, Cameron International Corporation, (without attachment)
Clayton Trier, Stablewood Property Owners Association
Robin Morse, Crain, Canton, and James, P.C.
James Elkins III, Houston Trust Company
Lisa Shelton, Andrews Kurth, LLP
Brian Weaver, SKA Consulting, L.P.
Paul Stefan, Environmental Resources Management Southwest, Inc. (Houston)

Tables
Attachment 1

June 12, 2008
Project No. 0082862

Environmental Resources Management Southwest, Inc.
15810 Park Ten Place, Suite 300
Houston, Texas 77084
(281) 600-1000

TABLE 1

Summary of Response Action Plan Implementation
First Half 2008 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Well	COCs elevated above MQL	COCs elevated above PCL	Need for Additional Notification (Yes or No)	In-situ Treatment (Yes or No)	Sampling Frequency
MW-70	1,1-dichloroethane 1,1-dichloroethene cis-1,2-dichloroethene tetrachloroethene trichloroethene vinyl chloride	1,1-dichloroethane 1,1-dichloroethene trichloroethene	no (a)	no (b)	Quarterly
MW-139	1,1-dichloroethane 1,1-dichloroethene cis-1,2-dichloroethene tetrachloroethene trichloroethylene vinyl chloride	1,1-dichloroethene tetrachloroethene trichloroethylene vinyl chloride (d)	no	yes (c)	Quarterly
MW-167	1,1-dichloroethene	1,1-dichloroethene	yes	yes (c)	Quarterly

NOTES:

COCs = Chemicals of Concern.

MQL = Method Quantitation Limit.

PCL = Protective Concentration Level.

- (a) Properties in the vicinity of the affected ground water have been previously notified.
- (b) Cameron will assess the extent of the affected ground water south of MW-70. If affected ground water appears to be migrating towards Kenilworth Drive, response actions will be proposed.
- (c) Injection wells located in this area were injected with sodium permanganate in March 2008. This area is being gauged regularly for the presence of permanganate. If there is no presence of permanganate in this area, additional permanganate will be injected.
- (d) Concentrations were reported above the PCLs during the April sampling event. A confirmation sample was collected on May 14, 2008. During the resampling event, permanganate was observed in the ground water purged from MW-139. A sample was collected and the results were reported below PCLs (Table 2).

TABLE 2

Summary of Monitor Well Ground Water Data for Trigger Wells
First Half 2008 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-80	MW-84	MW-85R	MW-86	MW-95	MW-97	
			25	25	24	27	37	38	38	29	40	30	33	
			4/15/2008	4/15/2008	4/17/2008	4/16/2008	4/15/2008	4/15/2008	4/15/2008	4/15/2008	4/15/2008	4/17/2008	4/17/2008	
1,1-Dichloroethane	0.0050	4.9	0.019	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	0.0087	ND (0.0050) UJ	ND (0.0050)	0.00062 J	ND (0.0050)	ND (0.0050) UJ	0.00092 J	ND (0.0050) UJ	ND (0.0050) UJ	ND (0.0050)	0.0013 J	
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)	
cis-1,2-Dichloroethene	0.0050	0.070	0.056	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	0.0015 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)	
Trichloroethene	0.0050	0.0050	0.017	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	0.0020 J	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)	
			36	25	28	28	32	25		30	38			
			4/16/2008	4/15/2008	4/17/2008	4/15/2008	4/17/2008	4/15/2008	5/14/2008	4/15/2008	4/17/2008	5/14/2008		
1,1-Dichloroethane	0.0050	4.9	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0090	0.0032 J	ND (0.0050)	0.0014 J	0.0014 J		
1,1-Dichloroethene	0.0050	0.0070	ND (0.0050)	ND (0.0050) UJ	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.038 JL	0.0055	ND (0.0050) UJ	0.012	0.017		
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)		
cis-1,2-Dichloroethene	0.0050	0.070	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.036	0.00096 J	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)	0.0088	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)		
Trichloroethene	0.0050	0.0050	ND (0.0050)	ND (0.0050)	0.0016 J	ND (0.0050)	ND (0.0050)	0.015	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)	0.0024	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)		

NOTES:

The reported concentrations are in mg/L.

0.0088 = 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 method quantitation limit given in parentheses.

MQL = Method Quantitation Limit.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated April 2008.

(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.

L = Biased Low.

TABLE 3

Summary of Monitor Well Ground Water Data
First Half 2008 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	KMW-01 (c)	KMW-07	KMW-13	KMW-14	MW-01	MW-02	MW-07R	MW-15R	MW-16R	MW-17R (e)
		Date:	25	25	25	25	25	25	25	20	20	20
		4/15/2008	4/15/2008	4/15/2008	4/15/2008	4/16/2008	4/16/2008	4/14/2008	4/15/2008	4/15/2008	4/15/2008	
1,1-Dichloroethane	4.9	NS	NA	NA	ND (0.0050)	NA	NA	NA	0.021	0.049	NS	
1,1-Dichloroethene	0.0070	NS	ND (0.0050) UJ	ND (0.0050) UJ	ND (0.0050) UJ	0.0085	0.028	0.010	0.037	0.16	NS	
1,2-Dichloroethane	0.0050	NS	NA	NA	ND (0.0050)	NA	NA	NA	ND (0.0050)	0.0014 J	NS	
cis-1,2-Dichloroethene	0.070	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.014	0.210	NS	
Tetrachloroethene	0.0050	NS	ND (0.0050) UJ	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00085 J	ND (0.0050)	0.015	0.055	NS	
Trichloroethene	0.0050	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0062	0.096	NS	
Vinyl Chloride	0.0020	NS	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.00074 J	ND (0.0020)	ND (0.0020)	0.015	NS	

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	MW-35	MW-44	MW-48	MW-50	MW-52	MW-54	MW-59	MW-60	MW-61	MW-62
		Date:	33	25	30	32	25	30	25	34	23	25
		4/15/2008	4/16/2008	4/15/2008	4/16/2008	4/14/2008	4/15/2008	4/16/2008	4/16/2008	4/16/2008	4/15/2008	
1,1-Dichloroethane	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	0.0070	0.0015 J	0.067	1.5 JL	33	0.081	0.85 JL	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00086 JL	
1,2-Dichloroethane	0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	0.070	ND (0.0050)	ND (0.0050)	0.024	0.51	ND (0.0050)	34	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	0.078	0.029 J	ND (0.0050)	0.23	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Trichloroethene	0.0050	ND (0.0050)	ND (0.0050)	0.0096	0.66	ND (0.0050)	2.3	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	
Vinyl Chloride	0.0020	0.0018 J	0.050	0.082	4.5	0.0010 J	0.40	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	

Constituent	Critical PCLs (a)	Location:										
		Depth: (b)	MW-64	MW-65	MW-73	MW-75R	MW-76	MW-78	MW-79	MW-81	MW-82	MW-83
		Date:	25	25	25	33	31	32	40	35	31	30
		4/17/2008	4/17/2008	4/15/2008	4/15/2008	4/15/2008	4/16/2008	4/15/2008	4/15/2008	4/15/2008	4/16/2008	
1,1-Dichloroethane	4.9	NA	NA	0.0094	0.0062	0.00085 J	0.012	0.028	ND (0.0050)	0.025	0.095	
1,1-Dichloroethene	0.0070	ND (0.0050)	0.0038 J	0.041 JL	0.0025 J	0.00091 J	0.15	0.33 JL	ND (0.0050)	0.12	0.26	
1,2-Dichloroethane	0.0050	NA	NA	0.00088 J	ND (0.0050)	0.00069 J	ND (0.0050)	0.00053 J	ND (0.0050)	0.0016 J	0.0021 J	
cis-1,2-Dichloroethene	0.070	ND (0.0050) J	0.0025 J	0.0032 J	ND (0.0050)	0.0050 J	ND (0.0050)	0.0057	ND (0.0050)	0.011	0.0052	
Tetrachloroethene	0.0050	ND (0.0050)	ND (0.0050)	0.00079 J	ND (0.0050)	0.0042 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.023	0.00088 J	
Trichloroethene	0.0050	ND (0.0050)	ND (0.0050)	0.017	ND (0.0050)	0.0042 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.011	0.0015 J	
Vinyl Chloride	0.0020	ND (0.0020)	0.0020	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.0021	0.0028	ND (0.0020)	ND (0.0020)	0.0086	

NOTES:

The reported concentrations are in mg/L.

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

NA = Not Analyzed.

NS = Not Sampled.

ND (0.0050) = Not Detected at the method quantitation limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated April 2008.

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

(c) Not sampled because the monitor well was damaged during demolition/construction activities at the site.

(d) Not sampled due to permanganate in well.

(e) The well was inaccessible due to a portable construction trailer parked over the well.

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

L = Biased Low

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
First Half 2008 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-87	MW-88 (d)	MW-89	MW-90 (d)	MW-91	MW-92	MW-93 (d)	MW-94	MW-96	MW-99
		Depth: (b)	32	38	37	35	37	43	43	25	33	32
		Date:	4/17/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/16/2008	4/17/2008	4/17/2008
1,1-Dichloroethane	4.9		0.0063	NS	0.0058	NS	ND (0.0050)	ND (0.0050)	NS	ND (0.0050)	0.0012 J	0.00056 J
1,1-Dichloroethene	0.0070		0.017	NS	0.026	NS	0.0048 J	ND (0.0050)	NS	ND (0.0050)	0.017	0.0039 J
1,2-Dichloroethane	0.0050		0.0011 J	NS	0.00073 J	NS	ND (0.0050)	ND (0.0050)	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070		0.00082 J	NS	0.0099	NS	0.0036 J	0.0037 J	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050		ND (0.0050)	NS	0.0027 J	NS	0.47	0.45	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050		0.0037 J	NS	0.062	NS	0.0093	0.0037 J	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020		ND (0.0020)	NS	ND (0.0020)	NS	ND (0.0020)	ND (0.0020)	NS	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-100	MW-101	MW-102	MW-106	MW-107	MW-108	MW-109	MW-110	MW-111	MW-112
		Depth: (b)	31	30	45	42	42	27	26	27	26	26
		Date:	4/17/2008	4/15/2008	4/16/2008	4/15/2008	4/16/2008	4/15/2008	4/15/2008	4/15/2008	4/15/2008	4/17/2008
1,1-Dichloroethane	4.9		0.00057 J	0.0056	ND (0.0050)	ND (0.0050)	0.00058 J	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.0070		ND (0.0050)	0.020 JL	ND (0.0050)	ND (0.0050) UJ	0.17	0.11	0.25	0.010	0.012 JL	
1,2-Dichloroethane	0.0050		ND (0.0050)	0.0019 J	ND (0.0050)	ND (0.0050)	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	0.070		ND (0.0050)	0.0056	0.0023 J	ND (0.0050)	0.0027 J	0.0035 J	0.16	0.039	0.0033 J	0.067
Tetrachloroethene	0.0050		ND (0.0050)	0.13 JL	0.78	0.19 JL	0.41	ND (0.0050)	0.039	0.0060	ND (0.0050)	0.017
Trichloroethene	0.0050		ND (0.0050)	0.018	0.0036 J	0.0015 J	0.0076	0.0082	0.086	0.0076	ND (0.0050)	0.013
Vinyl Chloride	0.0020		ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.029	0.0063	0.015	0.0026	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-113	MW-114	MW-115	MW-116	MW-118	MW-119	MW-120	MW-121	MW-124 (d)	MW-125 (d)
		Depth: (b)	27	32	34	27	27	28	25	28	29	32
		Date:	4/15/2008	4/17/2008	4/14/2008	4/15/2008	4/17/2008	4/17/2008	4/15/2008	4/17/2008	4/17/008	4/16/2008
1,1-Dichloroethane	4.9		NA	0.0048 J	0.00055 J	0.0064	0.013	0.0010 J	0.0016 J	ND (0.0050)	NS	NS
1,1-Dichloroethene	0.0070		0.00097 J	0.070 JL	1.0 JL	0.077 JL	0.14	0.0042 J	0.0036 J	0.088	NS	NS
1,2-Dichloroethane	0.0050		NA	0.0022 J	0.0098	ND (0.0050)	0.00080 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	NS	NS
cis-1,2-Dichloroethene	0.070		ND (0.0050)	0.022	ND (0.0050)	0.0068	0.013	ND (0.0050)	ND (0.0050)	ND (0.0050)	NS	NS
Tetrachloroethene	0.0050		ND (0.0050)	0.90	ND (0.0050)	0.0043	0.0075	ND (0.0050)	0.0035 J	ND (0.0050)	NS	NS
Trichloroethene	0.0050		ND (0.0050)	0.089	0.0057	0.020	0.042	ND (0.0050)	0.0011 J	ND (0.0050)	NS	NS
Vinyl Chloride	0.0020		ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.00073 J	ND (0.0020)	ND (0.0020)	ND (0.0020)	NS	NS

NOTES:

The reported concentrations are in mg/L.

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

NA = Not Analyzed.

NS = Not Sampled.

ND (0.0050) = Not Detected at the method quantitation limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated April 2008.

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

(c) Not sampled because the monitor well was damaged during demolition/construction activities at the site.

(d) Not sampled due to permanganate in well.

(e) The well was inaccessible due to a portable construction trailer parked over the well.

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

L = Biased Low

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
First Half 2008 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-126	MW-127	MW-128	MW-129	MW-130	MW-132	MW-133	MW-134	MW-143	MW-144
		Depth: (b)	32	32	40	35	25	30	30	30	24	25
		Date:	4/16/2008	4/14/2008	4/15/2008	4/14/2008	4/16/2008	4/14/2008	4/14/2008	4/16/2008	4/15/2008	4/14/2008
1,1-Dichloroethane	4.9		0.012	ND (0.0050)	ND (0.0050)	0.067	NA	0.0010	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0070		0.014	0.00088 J	ND (0.0050) UJ	0.31 JL	ND (0.0050)	0.0010	ND (0.0050)	ND (0.0050)	0.0038 JL	ND (0.0050)
1,2-Dichloroethane	0.0050		0.00054 J	ND (0.0050)	ND (0.0050)	0.0018 J	NA	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070		0.04	0.0012 J	ND (0.0050)	0.012	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050		0.034	ND (0.0050)	ND (0.0050) UJ	0.042 JL	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050		0.054	0.0065	ND (0.0050)	0.029	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)	0.0019 J	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-145	MW-146	MW-147	MW-166	MW-168	MW-169	MW-02(C)	MW-02(S)	MW-03(S)
		Depth: (b)	28	30	33	35	35	35	23	23	23
		Date:	4/15/2008	4/15/2008	4/17/2008	4/17/2008	4/17/2008	4/17/2008	4/16/2008	4/16/2008	4/16/2008
1,1-Dichloroethane	4.9		ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0021	ND (0.0050)	ND (0.0050)	ND (0.0050)	NA	NA
1,1-Dichloroethene	0.0070		ND (0.0050) UJ	ND (0.0050) UJ	ND (0.0050)	0.020	ND (0.0050)	ND (0.0050)	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)	ND (0.0050)	NA	NA
cis-1,2-Dichloroethene	0.070		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		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		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		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.

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

NA = Not Analyzed.

NS = Not Sampled.

ND (0.0050) = *Not Detected* at the method quantitation limit given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated April 2008.

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

(c) Not sampled because the monitor well was damaged during demolition/construction activities at the site.

(d) Not sampled due to permanganate in well.

(e) The well was inaccessible due to a portable construction trailer parked over the well.

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

L = Biased Low

TABLE 4

Summary of Surface Water Data
First Half 2008 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:	4/14/2008	4/14/2008	4/14/2008
1,1-Dichloroethane	5.13	4.10		0.0025 J	0.0060	0.0028 J
1,1-Dichloroethene	0.06	0.05		0.0027 J	0.0084	0.030
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)	0.0020 J	0.0020 J
Tetrachloroethene	0.790	0.632		ND (0.0050)	ND (0.0050)	0.0037 J
Trichloroethene	1.110	0.888		0.00076 J	0.00074 J	0.0035 J
Vinyl Chloride	0.0336	0.0269		ND (0.0020)	0.0022	0.0014 J

Constituent	Critical	80% Critical	Location:	SWD-17	SWD-18	SWD-20
	PCLs (a)	PCL (a)	Date:	4/14/2008	4/14/2008	4/14/2008
1,1-Dichloroethane	5.13	4.10		0.00072 J	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.06	0.05		0.0064	0.0044 J	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		0.0017 J	0.0012 J	ND (0.0050)
Tetrachloroethene	0.790	0.632		0.017	0.014	ND (0.0050)
Trichloroethene	1.110	0.888		0.0014 J	0.0010 J	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.