

January 26, 2010

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. 0096401

Subject: Second Half 2009 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 to the Texas Commission on Environmental Quality (TCEQ) for your records. The objectives of this transmittal is to determine if additional ground water or surface water samples should be collected during the next quarter (February 2010) at selected locations to meet the response action objectives 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 October 2009. Additionally, extraction wells installed as part of the ground water remediation system being implemented in the Stablewood Subdivision were sampled during the second half of 2009. MW-74, MW-84, MW-132 and MW-133 were re-sampled in November to confirm the concentrations that were reported for the semiannual sampling event.

A summary of the ground water analytical data for the trigger wells collected during the second 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 second half of 2009. 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

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

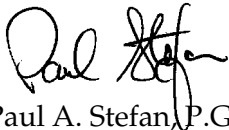
- COC concentrations will be monitored in ground water at MW-74, MW-80, MW-125, MW-134, MW-170, MW-171, and MW-172 on a quarterly basis;
- COC concentrations will be monitored in ground water at MW-71, MW-72, MW-77, MW-81, MW-85R, MW-86, MW-93, MW-95, MW-97, MW-98, MW-117, MW-119, MW-122, MW-123, MW-131, MW-132, MW-139, MW-146, MW-168, and MW-170 on a semiannual basis; and
- In the areas of MW-78, MW-79, MW-93, MW-125, and MW-174 monitor/injection wells will be monitored and level of permanganate will be maintained to address affected ground water at these locations.

The quality assurance/quality control data and analytical laboratory reports will be provided in the 2009 Annual Ground Water Monitoring Report and Field Activities Summary, which should be submitted to your attention later in first quarter 2010. This report will also include the well reports for the monitor wells installed during 2009.

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

Sincerely,

Environmental Resources Management Southwest, Inc.



Paul A. Stefan, P.G.
Principal

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)
Scott Himes, Environmental Resources Management (Houston)

Tables
Attachment 1

January 26, 2010
Project No. 0096401

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
Second Half 2009 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-59	1,1-dichloroethene	1,1-dichloroethene	no	no (a)	Quarterly
MW-74	1,1-dichloroethene	1,1-dichloroethene	yes	no	Quarterly
MW-84	1,1-dichloroethene	1,1-dichloroethene	yes	no	Quarterly
MW-125	1,1-dichloroethene	1,1-dichloroethene	no (b)	no (c)	Quarterly
MW-170	1,1-dichloroethene cis-1,2-dichloroethene trichloroethene	1,1-dichloroethene trichloroethene	no (b)	no	Semiannually
MW-173	1,1-dichloroethene	1,1-dichloroethene	no (b)	no (d)	Quarterly

NOTES:

COCs = Chemicals of Concern.

MQL = Method Quantitation Limit.

PCL = Protective Concentration Level.

(a) MW-59 is within the capture zone of EW-1.

(b) Properties in the vicinity of the affected ground water have been previously notified.

(c) Injection wells located in this area were injected with sodium permanganate in December 2009. 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) A ground water remediation system is being implemented to address ground water in the area of MW-173.

TABLE 2

Summary of Monitor Well Ground Water Data for Trigger Wells
Second Half 2009 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	MQL	Critical PCLs (a)	Location:	MW-71	MW-72	MW-74		MW-77	MW-80	MW-81	MW-84		MW-85R
			Depth: (b)	25	24	27		37	38	35	38		29
			Date:	10/22/2009	10/22/2009	10/22/2009	11/11/2009	10/23/2009	10/23/2009	10/21/2009	10/23/2009	11/11/2009	10/19/2009
1,1-Dichloroethane	0.0050	4.9		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0013 J	0.0016 J	ND (0.0050)
1,1-Dichloroethene	0.0050	0.0070		ND (0.0050)	ND (0.0050)	0.020	0.022	ND (0.0050)	0.0011 J	ND (0.0050)	0.0089	0.011	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)
cis-1,2-Dichloroethene	0.0050	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)	ND (0.0050)
Tetrachloroethene	0.0050	0.0050		ND (0.0050) UJ	ND (0.0050)	ND (0.0050) UJ	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)
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)

Constituent	MQL	Critical PCLs (a)	Location:	MW-86	MW-93 (c)	MW-95	MW-97	MW-98	MW-117	MW-119	MW-122	MW-123	MW-125
			Depth: (b)	40	43	30	33	36	25	28	28	28	32
			Date:	10/19/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/23/2009	10/21/2009	10/21/2009	10/20/2009	10/23/2009
1,1-Dichloroethane	0.0050	4.9		ND (0.0050)	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0010 J	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0050	0.0070		ND (0.0050)	NS	ND (0.0050)	0.0044 J	ND (0.0050)	ND (0.0050)	0.0042 J	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050	0.0050		0.0018 J	NS	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)	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00082 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050	0.0050		ND (0.0050)	NS	ND (0.0050)	ND (0.0050)	ND (0.0050) UJ	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.012 JL
Trichloroethene	0.0050	0.0050		ND (0.0050)	NS	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0048 J	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020	0.0020		ND (0.0020)	NS	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-131	MW-132	MW-139	MW-146	MW-168	MW-170	MW-171	MW-172	MW-173
			Depth: (b)	32	30	25	30	35	25	25	25	35
			Date:	10/21/2009	10/22/2009	10/23/2009	10/23/2009	10/22/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009
1,1-Dichloroethane	0.0050	4.9		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0024 J	0.0022 J	0.0015 J	0.0047 J
1,1-Dichloroethene	0.0050	0.0070		ND (0.0050)	ND (0.0050)	0.0017 J	ND (0.0050)	ND (0.0050)	0.017	0.0022 J	0.0047 J	0.032
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)
cis-1,2-Dichloroethene	0.0050	0.070		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0096	0.00077 J	0.00065 J	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)
Trichloroethene	0.0050	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.015	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)

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.

(c) Not sampled due to permanganate in well.

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

L = Biased Low.

U = Not detected, the SQL is estimated

TABLE 3

Summary of Monitor Well Ground Water Data
Second Half 2009 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	KMW-07	KMW-13	KMW-14	MW-01	MW-02	MW-07R	MW-15R	MW-16R	MW-17R	MW-35	
		Depth: (b)	25	25	25	25	25	25	25	20	20	20	33
		Date:	10/21/2009	10/21/2009	10/21/2009	10/20/2009	10/20/2009	10/21/2009	10/21/2009	10/23/2009	10/22/2009	10/20/2009	
1,1-Dichloroethane	4.9		NA	NA	NA	NA	NA	NA	ND (0.0050)	0.027	ND (0.0050)	NA	
1,1-Dichloroethene	0.0070		ND (0.0050)	ND (0.0050)	0.00081 J	ND (0.0050)	ND (0.0050)	0.0025 J	0.0018 J	0.051	ND (0.0050)	ND (0.0050)	
1,2-Dichloroethane	0.0050		NA	NA	NA	NA	NA	NA	ND (0.0050)	0.00061 J	ND (0.0050)	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)	0.00066 J	0.023	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)	0.0028 J	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)	0.0078	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)	0.0057	ND (0.0020)	ND (0.0020)	

Constituent	Critical PCLs (a)	Location:	MW-42	MW-43	MW-44	MW-48	MW-50	MW-52	MW-54	MW-56	MW-58	MW-59
		Depth: (b)	25	25	25	30	32	25	30	24	23	25
		Date:	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/20/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/21/2009
1,1-Dichloroethane	4.9		NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0021 J
1,1-Dichloroethene	0.0070		ND (0.0050)	0.0014 J	0.017	0.54	29	0.090	0.27	ND (0.0050)	ND (0.0050)	0.015
1,2-Dichloroethane	0.0050		NA	NA	NA	NA	NA	NA	NA	NA	NA	ND (0.0050)
cis-1,2-Dichloroethene	0.070		ND (0.0050)	ND (0.0050)	ND (0.0050)	0.011	0.65	0.00078 J	6.9	ND (0.0050)	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	0.057	0.027	ND (0.0050)	0.091	ND (0.0050)	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0057	0.47	ND (0.0050)	0.77	ND (0.0050)	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020		ND (0.0020)	ND (0.0020)	0.0028	0.050	4.2	0.0070	0.094	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-60	MW-61	MW-62	MW-63	MW-64	MW-65	MW-70	MW-73	MW-75R	MW-76	
		Depth: (b)	34	23	25	25	25	25	25	25	25	33	31
		Date:	10/21/2009	10/21/2009	10/21/2009	10/20/2009	10/21/2009	10/21/2009	10/21/2009	10/23/2009	10/21/2009	10/22/09	10/22/09
1,1-Dichloroethane	4.9		ND (0.0050)	ND (0.0050)	NA	NA	NA	NA	0.051	0.0084	0.011	ND (0.0050)	
1,1-Dichloroethene	0.0070		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0025 J	0.075	0.033	0.0039 J	ND (0.0050)	
1,2-Dichloroethane	0.0050		ND (0.0050)	ND (0.0050)	NA	NA	NA	NA	0.00058 J	0.0010 J	ND (0.0050)	ND (0.0050)	
cis-1,2-Dichloroethene	0.070		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0027 J	0.26	0.0022 J	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)	0.0017 J	0.00091 J	ND (0.0050)	0.0015 J	
Trichloroethene	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.17	0.0087	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)	0.0023	0.014	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 March 25, 2009.

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

(c) Not sampled due to permanganate in well.

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

L = Biased Low.

U = Not detected, the SQL is estimated

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
Second Half 2009 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-78	MW-79	MW-82	MW-83	MW-87	MW-88 (c)	MW-89	MW-90	MW-91	MW-92
		Depth: (b)	32	40	31	30	32	38	37	35	37	43
		Date:	10/21/09	10/21/09	10/22/09	10/23/09	10/21/09		10/22/09	10/23/09	10/23/09	10/23/09
1,1-Dichloroethane	4.9		0.016	0.029	0.037	0.012	0.0054	NS	0.0065	ND (0.0050)	ND (0.0050)	ND (0.0050)
1,1-Dichloroethene	0.0070		0.068	0.23	0.12	0.056	0.024	NS	0.031	0.0068	ND (0.0050)	ND (0.0050)
1,2-Dichloroethane	0.0050		ND (0.0050)	ND (0.0050)	0.00092 J	ND (0.0050)	0.00090 J	NS	0.00075 J	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070		ND (0.0050)	0.0017 J	0.024	0.0018 J	0.00053 J	NS	0.0081	0.0037 J	ND (0.0050)	0.0013 J
Tetrachloroethene	0.0050		ND (0.0050)	ND (0.0050)	0.027	0.0010 J	ND (0.0050)	NS	0.0013 JL	0.37	0.066	0.22
Trichloroethene	0.0050		ND (0.0050)	ND (0.0050)	0.025	0.0020 J	0.0023 J	NS	0.041	0.025	ND (0.0050)	0.0024 J
Vinyl Chloride	0.0020		0.0016 J	0.0052	0.0042	0.0016 J	ND (0.0020)	NS	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-94	MW-96R	MW-99	MW-100	MW-101	MW-102	MW-106	MW-107	MW-108	MW-109
		Depth: (b)	25	33	32	31	30	45	42	42	27	26
		Date:	10/21/09	10/22/09	10/22/09	10/23/09	10/22/09	10/22/09	10/23/09	10/23/09	10/23/09	10/19/09
1,1-Dichloroethane	4.9		ND (0.0050)	0.0075	ND (0.0050)	0.0013 J	0.014	ND (0.0050)	ND (0.0050)	ND (0.0050)	NA	NA
1,1-Dichloroethene	0.0070		ND (0.0050)	0.098	ND (0.0050)	0.0011 J	0.073	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.20	0.077
1,2-Dichloroethane	0.0050		ND (0.0050)	ND (0.0050)	0.0011 J	ND (0.0050)	0.0017 J	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)	0.0043 J	0.0013 J	0.0015 J	0.0015 J	0.0055	0.38
Tetrachloroethene	0.0050		ND (0.0050)	ND (0.0050) UJ	ND (0.0050) UJ	0.0023 J	0.049	0.26 JL	0.32	0.31	0.0013 J	0.033
Trichloroethene	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0083	0.0023 J	0.0024 J	0.0047 J	0.0098	0.031
Vinyl Chloride	0.0020		ND (0.0020)	ND (0.0020)	ND (0.0020)	0.0006 J	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)	0.027	0.019

Constituent	Critical PCLs (a)	Location:	MW-110	MW-111	MW-112	MW-113	MW-114	MW-115	MW-116	MW-118	MW-119	MW-120
		Depth: (b)	27	26	26	27	32	34	27	27	28	25
		Date:	10/21/09	10/23/09	10/23/09	10/23/09	10/23/09	10/21/09	10/19/09	10/21/09	10/21/2009	10/22/2009
1,1-Dichloroethane	4.9		NA	NA	NA	NA	0.0064	0.00055 J	0.0071 JL	0.012	0.001 J	0.022
1,1-Dichloroethene	0.0070		0.066	0.013	0.021	0.0017 J	0.035	0.91	0.11 JL	0.12	0.0042 J	0.036
1,2-Dichloroethane	0.0050		NA	NA	NA	NA	0.0044 J	0.0083	ND (0.0050)	0.00074 J	ND (0.0050)	0.00073 J
cis-1,2-Dichloroethene	0.070		0.017	0.018	0.078	ND (0.0050)	0.017	ND (0.0050)	0.012 J	0.015	ND (0.0050)	0.030
Tetrachloroethene	0.0050		0.0014 J	0.0082	ND (0.0050)	ND (0.0050)	0.43	ND (0.0050)	0.0055	0.011	ND (0.0050)	0.32 UJ
Trichloroethene	0.0050		0.0031 J	0.022	0.0050	ND (0.0050)	0.065	0.0060	0.025	0.041	ND (0.0050)	0.035
Vinyl Chloride	0.0020		0.011	0.0080	ND (0.0020)	0.00072 J	0.0016 J	ND (0.0020)	ND (0.0020) UJ	ND (0.0020)	ND (0.0020)	0.011

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 March 25, 2009.

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

(c) Not sampled due to permanganate in well.

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

L = Biased Low.

U = Not detected, the SQL is estimated

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
Second Half 2009 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-121	MW-124	MW-126	MW-127	MW-128	MW-129	MW-130	MW-133	MW-134	
		Depth: (b)	28	29	32	32	40	35	25	30	30	
		Date:	10/19/2009	10/21/2009	10/22/2009	10/21/2009	10/22/2009	10/23/2009	10/23/2009	10/22/2009	11/11/2009	11/11/2009
1,1-Dichloroethane	4.9		ND (0.0050)	0.0018 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.040	ND (0.0050)	0.0031 J	0.0072 J	ND (0.0050)
1,1-Dichloroethene	0.0070		0.095	0.0087	ND (0.0050)	ND (0.0050)	0.0055	0.17	ND (0.0050)	0.0089	0.023	0.024
1,2-Dichloroethane	0.0050		0.00061 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.00079 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070		ND (0.0050)	0.0067	ND (0.0050)	ND (0.0050)	0.0024 J	0.011	ND (0.0050)	0.001 J	0.0026	ND (0.0050)
Tetrachloroethene	0.0050		ND (0.0050)	0.17	ND (0.0050) UJ	ND (0.0050)	0.00078 JL	0.027	ND (0.0050)	ND (0.0050) UJ	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050		0.0012 J	0.016	ND (0.0050)	ND (0.0050)	0.012	0.020	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)	0.00095 J	ND (0.0020)	ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical PCLs (a)	Location:	MW-135	MW-140	MW-141	MW-142	MW-143	MW-144	MW-145	MW-149	MW-166	MW-167
		Depth: (b)	25	25	30	33	24	25	28	27	35	38
		Date:	10/21/2009	10/21/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/23/2009	10/21/2009	10/23/2009	10/22/2009
1,1-Dichloroethane	4.9		0.0015 J	0.019	0.032	0.0052	ND (0.0050)	0.0066	ND (0.0050)	0.00081 J	0.0021 J	0.0058
1,1-Dichloroethene	0.0070		0.0024 J	0.048	0.070	0.12	0.014	0.16	ND (0.0050)	ND (0.0050)	0.030	0.063
1,2-Dichloroethane	0.0050		ND (0.0050)	ND (0.0050)	0.00054 J	ND (0.0050)	ND (0.0050)	0.0005 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)
cis-1,2-Dichloroethene	0.070		0.0019 J	0.0028 J	0.0096	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0012 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.0050		0.0077	0.0011 J	0.0021 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0077	ND (0.0050)	ND (0.0050)
Trichloroethene	0.0050		0.0011 J	0.0010 J	0.0022 J	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0021 J	ND (0.0050)	ND (0.0050)
Vinyl Chloride	0.0020		ND (0.0020)	0.0037	0.0068	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-169	MW-175	MW-176	MW-177	MW-174	MW-02(C)	MW-02(S)	MW-03(S)	KMW-01
		Depth: (b)	35					23	23	23	
		Date:	10/22/2009	10/19/2009	10/20/2009	10/20/2009	10/23/2009	10/20/2009	10/23/2009	10/23/2009	10/20/2009
1,1-Dichloroethane	4.9		ND (0.0050)	ND (0.0050)	0.00089 J	0.0077	ND (0.0050)	NA	ND (0.0050)	ND (0.0050)	NA
1,1-Dichloroethene	0.0070		ND (0.0050)	0.0062	0.014	0.090	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	0.0039 J
1,2-Dichloroethane	0.0050		ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	ND (0.0050)	NA	ND (0.0050)	ND (0.0050)	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) UJ	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 March 25, 2009.

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

(c) Not sampled due to permanganate in well.

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

L = Biased Low.

U = Not detected, the SQL is estimated.

TABLE 4

Summary of Surface Water Data
Second Half 2009 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:	10/20/2009	10/20/2009
1,1-Dichloroethane	5.13	4.10		0.0014 J	0.0012 J	0.00059 J
1,1-Dichloroethene	0.06	0.05		0.0012 J	0.0045 J	0.036
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)	0.0012 J	ND (0.0050)
Tetrachloroethene	0.790	0.632		ND (0.0050)	0.00087 J	ND (0.0050)
Trichloroethene	1.110	0.888		ND (0.0050)	0.0014 J	0.0011 J
Vinyl Chloride	0.0336	0.0269		ND (0.0020)	ND (0.0020)	ND (0.0020)

Constituent	Critical	80% Critical	Location:	SWD-17	SWD-18	SWD-20
	PCLs (a)	PCL (a)		Date:	10/20/2009	10/20/2009
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	0.00096 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		0.00068 J	ND (0.0050)	ND (0.0050)
Tetrachloroethene	0.790	0.632		0.013	0.0034 J	ND (0.0050)
Trichloroethene	1.110	0.888		ND (0.0050)	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.

L = Biased Low.

U = Not detected, the SQL is estimated

(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.