APPENDIX B

WELL SAMPLING LOGS

Bechtel	PROJECT: CLEAN 3, NAF El Centro	WELL NO.: NEX-MW1
WELL SAMPLING RECORD	JOB NO.: 23818-043 / SITE:	PREPARED BY: M Petrie
	PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.	CHECKED BY: D Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING DATE: 4/25/03
WEATHER: hot, sunny
TEMPERATURE: ~80, 85F
SUBCONTRACTOR: —

DATE OF SAMPLING: 4/25/03
TIME OF SAMPLING: 1335 + 1345 (dup)
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G109 and C043G110 (dup)

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1252	1302	2500	28.4	6.68	8,560	-010	0.1	80.2	8.49	SLP = 7.99' BTOC ~250 ml/min
1302	1307	3750	28.2	6.62	8610	-011	0.1	66.0	8.56	
1307	1312	4500	28.6	6.59	8690	-010	0.1	61.7	8.63	Flow = 150 mL/min
1312	1317	5250	29.0	6.59	8640	-010	0.1	60.1	8.71	
1317	1322	6000	29.3	6.58	8570	-012	0.1	56.7	8.78	Sample collected

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20969	4/25/03	APPL
✓	~~01 - 03~~ 07-09	~~BTEX w/oxygenates~~ TPH-gasoline 4/25/03	Glass	3 × 40 ml	4°C + HCl	1.15	20969	4/25/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Collect REGULAR (C043G109) and DUPLICATE (C043G110) samples
Global ID# T0602590001

Bechtel

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX - MW5

WELL SAMPLING RECORD

JOB NO.	SITE	PREPARED BY
23818-043	200 - NEX gas station	M. Petrie

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY D. Parker

PURGING DATE: 4/28/03
WEATHER: hot, 80-90F
TEMPERATURE: high 90.5h
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/28/03
TIME OF SAMPLING: 1705
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G174

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1025	1035	1850	28.4	6.99	6180	-046	0.28	3.90	8.62	Static GW=8.41' Bloc Flow=200
1035	1040	2600	28.5	6.97	6190	-046	0.39	4.21	8.63	10:32 FR = 150
1040	1045	3350	28.7	6.98	6230	-043	0.32	4.49	8.64	
1045	1050	4100	29.0	6.98	6220	-041	0.31	4.94	8.65	
1050	1055	4850	29.5	7.00	6190	-037	0.32	5.00	8.64	sample collected

amp

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20970	4/28/03	APPL
✓	~~11~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20970	4/28/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

AP 10-25-04

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID# T0602590001

Bechtel

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX-MW2

WELL SAMPLING RECORD

JOB NO.	SITE	PREPARED BY
23818-043	200 (NEX)	R. Wiegand

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY D. Parker

PURGING DATE: 4/28/03
WEATHER: clear, calm to breeze
TEMPERATURE: ~88°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/28/03
TIME OF SAMPLING: 1318
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G111

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

$V_S = (\quad) + 3.1415 * 0.17^2 / 4 * (\quad) * 16.39$ ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1129	—	—	—	—	—	—	—	—	7.70	SWL, flow ~ 150 ml/min
1154	1204	1,500	30.5	7.03	6,080	-088	0.30	164	~~7.40~~ 7.99	
1204	1209	2,250	30.3	6.93	6,190	-088	0.31	148	8.07	
1209	1214	3,000	30.3	6.91	6,210	-090	0.27	123	8.17	
1214	1219	3,750	30.3	6.90	6,220	-092	0.23	95.1	8.25	
1219	1224	4,500	30.3	6.91	6,230	-093	0.24	78.3	8.28	
1224	1229	5,250	30.3	6.92	6,230	-095	-0.00	63.0	8.30	
1229	1234	6,000	30.3	6.91	6,250	-096	0.13	51.1	8.33	
1234	1239	6,750	30.5	6.92	6,270	-096	0.11	48.2	8.33	
1239	1244	7,500	30.7	6.93	6,310	-096	0.10	42.4	8.32	
1244	1249	8,250	31.0	6.91	6,300	-096	0.09	35.4	8.31	
1249	1254	9,000	31.2	6.91	6,290	-096	0.10	32.5	8.30	
1254	1259	9,750	31.3	6.92	6,290	-097	0.09	29.6	8.29	
1259	1304	10,500	31.3	6.92	6,310	-097	0.10	26.6	8.29	
1304	1309	11,250	31.4	6.93	6,310	-097	0.08	24.5	8.29	Collect sample

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20970	4/28/03	APPL
X	~~11 - 13~~ 97-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20970	4/28/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

~~RP 10-25-04~~

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID # 0602590001

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW6
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: 200 NEX gas station	PREPARED BY: M. Petne
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 4/28/03
WEATHER: hot, clear
TEMPERATURE: upper 80s
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/28/03
TIME OF SAMPLING: 1438
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G115

PUMP VOLUME	V_p	=	ml.
TUBING INSIDE DIAMETER	D	= 0.17	in.
TUBING LENGTH	L	=	in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

$V_S = (\quad) + 3.1415 * 0.17^2 / 4 * (\quad) * 16.39$ ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1354	1404	1500	30.5	7.16	6,630	-038	0.63	1.96	8.40	8.24 = static WL PR=150 mL/min
1404	1409	2,250	30.9	7.12	6,600	-034	0.60	1.32	8.49	Flow rate: 150 mL/min.
amp 1409	1414	3,000	31.0	7.11	6,600	-031	0.57	0.96	8.58	
amp 1414	1419	3,750	31.1	7.11	6,580	-029	0.50	0.81	8.63	
amp 1419	1424	4,500	31.0	7.11	6,590	-026	0.53	0.54	8.68	
amp 1424	1429	5,250	31.0	7.08	6,580	-023	0.50	0.48	8.72	Sample collected

amp

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20970	4/28/03	APPL
✓	~~11 - 13~~ 07-09	~~TPH-gasoline~~ 4/28/03	Glass	3 × 40 ml	4°C + HCl	1.15	20970	4/28/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

D Parker 10-25-04

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID # T0602590001

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW3
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: 200 (NEX)	PREPARED BY: M. Petric
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 4/29/03
WEATHER: clear, windy
TEMPERATURE: ~70°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/29/03
TIME OF SAMPLING: 0840
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G112

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0722	—	—	—	—	—	—	—	—	8.54	SWL
0754	0804	1,250	24.4	6.73	6420	-049	1.42	0.27	8.72	Flow rate = 125 mL/min
0804	0809	1,900	24.2	6.81	6490	-043	1.27	2.4	8.78	Flow rate increase to 150 ml/min
0809	0814	2,650	24.3	6.85	6510	-038	1.27	1.8	8.81	
0814	0819	3,400	24.5	6.88	6470	-033	1.45	2.27	8.85	
0819	0824	4,150	24.6	6.93	6510	-029	1.49	2.21	8.88	
0824	0829	4,900	24.9	6.91	6510	-027	1.49	2.21	8.89	Sample collected

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20971	4/29/03	APPL
X	~~11-13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID#: T0602590001

Bechtel

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX-MW4

WELL SAMPLING RECORD

JOB NO.	SITE	PREPARED BY
23818-043	UST Site 200 (NEX)	M. Petrie

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY D. Parker

PURGING DATE: 4/29/03
WEATHER: clear, windy
TEMPERATURE: ~78°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/29/03
TIME OF SAMPLING: 1047
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043 G113

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0924	—	—	—	—	—	—	—	—	8.43	SWL
0934	0944	1250	27.0	7.39	8720	-041	0.60	8.02	8.59	Flowrate = 125 mL/min
0944	0949	1875	26.8	7.22	8,580	-033	0.56	6.95	8.65	
0949	0954	2,500	27.0	7.15	8,580	-026	0.54	5.14	8.71	
0954	0959	3,125	27.0	7.09	8,680	-020	0.50	4.40	8.74	
0959	1004	3,750	26.8	7.07	9,020	-018	0.50	4.1	8.81	
1004	1009	4,375	26.9	7.05	9,030	-013	0.45	3.2	8.85	
1009	1014	5,000	26.9	7.01	9,240	-009	0.43	2.8	8.89	
1014	1019	5,625	27.0	6.98	9,550	-006	0.45	2.5	8.91	
1019 (1/24/03)	1024	6,250	27.2	6.98	9,950	-003	0.44	2.1	8.93	
1024	1029	6,875	27.4	6.95	10,460	002	0.43	1.9	8.94	
1029	1034	7,500	27.7	6.93	10,750	006	0.42	1.7	8.95	
1034	1039	8,125	27.6	6.92	10,490	008	0.40	1.6	8.97	Collect sample

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20971	4/29/03	APPL
X	~~11 - 13~~ 01-09	~~TPH-gasoline~~	Glass	3 × 40 ml	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID# T0602590001

125
5
625

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW7
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 200 (NEX)	PREPARED BY: M. Petrie
			CHECKED BY: D. Partain

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 4/29/03
WEATHER: clear, windy
TEMPERATURE: ~ 85°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/29/03
TIME OF SAMPLING: 1315
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G116

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1152	—	—	—	—	—	—	—	—	12.44	SWL
1202	1212	1,600	27.6	7.47	8,480	045	5.23	5.7	12.84	Flow rates 160 ml/min
1212	1217	2,400	27.5	7.38	8,670	062	5.30	5.7	12.89	
1217	1222	3,200	27.4	7.32	8,700	066	5.28	7.0	12.93	
1222	1227	4,000	27.6	7.26	8,730	065	5.33	8.5	12.96	
1227	1232	4,800	27.5	7.22	8,720	062	5.87	8.6	12.99	
1232	1237	5,600	27.4	7.19	8,720	062	5.99	8.6	13.01	
1237	1242	6,400	27.5	7.17	8,780	040	6.03	7.9	13.02	
1242	1247	7,200	27.7	7.16	8,740	033	6.01	7.3	13.04	
1247	1252	8,000	27.7	7.15	8,780	024	6.01	7.0	13.05	
1252	1257	8,800	27.8	7.15	8,780	016	6.00	6.1	13.06	
1257	1302	9,600	27.8	7.14	8,730	012	6.02	5.7	13.04	
1302	1307	10,400	27.7	7.11	8,740	009	6.02	5.8	13.05	Collect Sample
						DP 10-25-04				

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20971	4/29/03	APPL
X	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

DP 10-25-04

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global ID# T0602590001

Bechtel

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX-MW8

WELL SAMPLING RECORD

JOB NO.	SITE	PREPARED BY
23818-043	UST site 200 (NEX)	MPetrie

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP		
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY D. Parker

PURGING DATE: 4/29/03
WEATHER: hot, windy, clear, dusty
TEMPERATURE: 80s (mid)
SUBCONTRACTOR: NA

DATE OF SAMPLING: 4/29/03
TIME OF SAMPLING: 1445
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G117

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µS/cm) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1340	—	—	—	—	—	—	—	—	12.70	SWL
1350	1400	1750	28.1	7.16	9,810	+007	0.9	55.2	13.21	Flow Rate = 175
1400	1405	2,625	28.2	7.12	9,950	007	0.8	37.9	13.26	
1405	1410	3,500	28.7	7.07	10,040	012	0.8	27.7	13.28	
1410	1415	4,375	28.9	7.05	10,050	013	0.8	24.5	13.30	
1415	1420	5,250	29.0	7.05	10,090	015	0.7	25.0	13.33	
1420	1425	6,125	29.1	7.04	10,150	016	0.7	28.2	13.35	
1425	1430	7,000	29.1	7.03	10,180	018	0.7	28.5	13.37	
1430	1435	7,875	29.0	7.02	10,160	019	0.7	26.8	13.37	Collect sample

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20971	4/29/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			

DP 10-25-04

NOTE: In COMMENTS section of COC, indicate that EDF deliverable is required and all oxygenates should be reported by lab.

REMARKS: Global EDD#: T0602590001

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/23/03	TIME: 1418	SAMPLE ID: C043T024

All samples collected this date ✓
Samples from the following wells:

WELL IDS: mw539-1, 539-mw2, and 539-mw3, plus equipment rinsate

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20967	4/23/03	APPL
	11 - 13	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
✓	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20967	4/23/03	APPL
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			4/23/03
	51	Hex. chromium	Plastic	1 × 250 ml	4°C	4.11			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	D.I. Wtr.

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/23/03	TIME: 1530	SAMPLE ID: C043R017

All samples collected this date ✓
Samples from the following wells:

WELL IDS: mw539-1, 539-mw2, and 539-mw3

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.35	20967	4/23/03	APPL
	11 - 13	TPH-gasoline	Glass	3 × 40 mL	4°C + HCl	1.15			
✓	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20967	4/23/03	APPL
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/24/03	TIME: 1300	SAMPLE ID: C043T025

All samples collected this date ✓ WELL IDS: MW116-2, 116-MW3, and 116-MW4

Samples from the following wells:

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - ~~03~~ 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20968	4/24/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
✓	~~31 - 32~~ 13-14	~~TPH-diesel~~	~~Amber Glass~~	~~2 × 1 L~~	~~4°C~~	~~2.13~~	20968	4/24/03	APPL
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 ml	4°C	4.11			

DB 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI. water

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/24/03	TIME: 1420	SAMPLE ID: C043R018

All samples collected this date ✓ WELL IDS: MW116-2, 116-MW3, and 116-MW4

Samples from the following wells:

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.35	20968	4/24/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 mL	4°C + HCl	1.15	↓	↓	↓
✓	~~31 - 32~~ 13-14	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20968	4/24/03	APPL
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			

DB 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI Water

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	D Parker

THIS BLANK APPLIES TO:	DATE:	TIME:	SAMPLE ID:
	4/25/03	1015	C043R011

All samples collected this date ✓
Samples from the following wells:
WELL IDS: 116-MW3, 533-MW2, and NEX-MW1

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20969	4/25/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
✓	~~31 - 32~~ 13-14	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20969	4/25/03	APPL
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 ml	4°C	4.11			

DP 10-25-04

REMARKS: Global ID # T060250313

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE:	TIME:	SAMPLE ID:
	4/25/03	1320	C043T026

All samples collected this date ✓
Samples from the following wells:
WELL IDS: 116-MW3, 533-MW2, NEX-MW1

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.35	20969	4/25/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 mL	4°C + HCl	1.15	20969	4/25/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			

DP 10-25-04

REMARKS: Global ID # T060259 0001

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI water

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	M. Petrie	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/28/03	TIME: 1340	SAMPLE ID: C043R019

All samples collected this date ✓
Samples from the following wells:
WELL IDS: NEX-MW2 & NEX-MW5 & NEX-MW6

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20970	4/28/03	APPL
✓	~~07 - 09~~ 01-03	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20970	4/28/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 ml	4°C	4.11			

DP 10-25-04

REMARKS: Global ID: T060259001

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/28/03	TIME: 1258	SAMPLE ID: C043T027

All samples collected this date ✓
Samples from the following wells:
WELL IDS: NEX-MW2, NEX-MW5, and NEX-MW6

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.32			
✓	01 - 03 ~~02~~	BTEX w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.35	20970	4/28/03	APPL
✓	~~11 - 12~~ 01-03 as	TPH-gasoline	Glass	3 × 40 mL	4°C + HCl	1.15	20970	4/28/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			

PPC 4/28/03
PPC 4/28/03
DP 10-25-04

REMARKS: Global ID# T060259 0001

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	D. I. Water

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/29/03	TIME: 0922	SAMPLE ID: C043R020

All samples collected this date ✓
Samples from the following wells:
WELL IDS: NEX-MW3, NEX-MW4, NEX-MW7, and NEX-MW8

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32			
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20971	4/29/03	APPL
✓	~~11 - 13~~ 07-09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 ml	4°C	4.11			

DP 10-25-04

REMARKS: Global ID # T0602590001

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/TRIP/SOURCE BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 4/29/03	TIME: 1000	SAMPLE ID: C043T028

All samples collected this date ✓
Samples from the following wells:
WELL IDS: NEX-MW3, NEX-MW4, NEX-MW7, and NEX-MW8

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	VOCs w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.32			
✓	01 - ~~03~~ 02	BTEX w/oxygenates	Glass	3 × 40 mL	4°C + HCl	1.35	20971	4/29/03	APPL
✓	~~11 - 13~~ 07-08	TPH-gasoline	Glass	3 × 40 mL	4°C + HCl	1.15	20971	4/29/03	APPL
	31 - 32	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	31 - 32	TPH as diesel & JP-5	Amber Glass	2 × 1 L	4°C	2.18			
	41	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	51	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			

DP 10-25-04

REMARKS: Global ID # T0602590001

043-BWL-04

Groundwater Level Record

CLEAN 3, NAF El Centro
23818-043

Measured by: B. Gober

Verified by: P. Wiegand

Well I.D.	Date	Time	Depth to Water (feet TOC)	Total Well Depth (feet TOC)	Depth to Product (feet TOC)	Product Thickness (feet)	Previous DTW (feet TOC)[a]	Difference from previous DTW (feet)	Remarks
MW116-2	1/23/04	1147	10.09				9.59		
116-MW3	1/23/04	1145	9.79				9.26		
116-MW4	1/23/04	1149	12.92				12.54		
116-MW5	1/23/04	1151	12.74				12.43		
MW533-1	1/23/04	1045	9.74		~~9.81~~ 9.73 1/23/04	0.01	8.64		Fuel odor prominent
533-MW2	1/23/04	1132	11.88				10.92		
535-MW1	1/23/04	1138	9.74				8.51		
MW539-1	1/23/04	1038	9.90				7.80		
539-MW2	1/23/04	1036	11.41				9.37		
539-MW3	1/23/04	1033	9.10				7.10		
NEX-MW1	1/23/04	1209	7.94				7.64		
NEX-MW2	1/23/04	1207	7.58				7.26		
NEX-MW3	1/23/04	1223	8.41				8.08		
NEX-MW4	1/23/04	1221	8.25				7.91		
NEX-MW5	1/23/04	1206	8.29				7.95		
NEX-MW6	1/23/04	1211	8.09				7.85		
NEX-MW7	1/23/04	1214	8.87				8.54		
NEX-MW8	1/23/04	1218	12.50				12.33		
EC6-MW1	1/23/04	1003	Dry	17.31			Dry		
EC10-MW6	1/23/04	1101	24.92	25.45			24.85		w.L. below bottom of screen in the sump.
EC10-MW7	1/23/04	1108	39.28				39.64		
EC10-MW8	1/23/04	1105	36.79				37.58		
EC-P7	1/23/04	1109	39.52				39.99		
EC17-MW2	1/23/04	1155	14.00				13.28		
EC-P3	1/23/04	0804	14.06				13.15		

Note:

a = previous water levels measured on (date[s]): 10 September 2003

DTW = depth to water

TOC = top of casing

Instrument type: Solinst

NEMFac Number: 000510

043-BWL-04

Groundwater Level Record

CLEAN 3, NAF El Centro
23818-043

Measured by: B. Gober

Verified by: P. Wiegand

Well I.D.	Date	Time	Depth to Water (feet TOC)	Total Well Depth (feet TOC)	Depth to Product (feet TOC)	Product Thickness (feet)	Previous DTW (feet TOC)[a]	Difference from previous DTW (feet)	Remarks
EC-P5	1/23/04	0939	22.94				23.02		
EC1-MW7	1/23/04	0950	24.43				24.15		
EC1-MW8	1/23/04	0935	23.10				22.89		
EC1-MW9	1/23/04	0931	24.21				24.10		Dedicated pump
EC1-MW10	1/23/04	0947	25.41				25.95		
EC1-MW11	1/23/04	0944	23.06				22.75		
EC1-MW12	1/23/04	0937	23.71				23.58		
EC8-MW1	1/23/04	0858	24.49				24.15		Dedicated pump
EC2-MW1	1/23/04	0902	23.29				23.13		Dedicated pump
EC2-MW2	1/23/04	0854	24.70				24.25		Dedicated pump
EC2-MW4	1/23/04	0827	22.51				22.00		Dedicated pump
EC-P8	1/23/04	0820	28.73				28.50		
EC2-MW6	1/23/04	0916	20.45				20.31		Dedicated pump
EC-P2	1/23/04	0914	21.22				21.04		Dedicated pump
EC2-MW7	1/23/04	0845	20.22				19.92		
EC2-MW8	1/23/04	0837	21.60				18.64		
EC-P4	1/23/04	~~0837~~ 0840	~~22.51~~ 36.64				36.49		Verified, dedicated pump
EC2-MW9	1/23/04	1119	24.51				25.15		W.L. at top of pump.
EC2-MW10	1/23/04	0849	18.77				18.47		Dedicated pump
EC2-MW11	1/23/04	0814	21.66				21.68		Dedicated pump
EC2-MW12	1/23/04	0833	21.17				20.73		Dedicated pump
EC7-MW1	1/23/04	0718	Dry				16.72		
EC7-MW2	1/23/04	0714	Dry				17.38		
EC7-MW6	1/23/04	0748	17.20				16.85		Dedicated pump
EC7-MW7	1/23/04	0740	14.29				13.68		Dedicated pump

Note:

a = previous water levels measured on (date[s]): 10 September 2003

DTW = depth to water

TOC = top of casing

Instrument type: Solinst

NEMFac Number: 000510

043-BWL-04

Groundwater Level Record

CLEAN 3, NAF El Centro
23818-043

Measured by: B. Gober
Verified by: P. Wiegand

Well I.D.	Date	Time	Depth to Water (feet TOC)	Total Well Depth (feet TOC)	Depth to Product (feet TOC)	Product Thickness (feet)	Previous DTW (feet TOC)[a]	Difference from previous DTW (feet)	Remarks
EC7-MW8	1/23/04	0735	17.23				16.68		Dedicated pump
EC-P9	1/23/04	0728	17.65				17.35		Dedicated pump
EC7-MW9	1/23/04	0908	19.67				19.48		W.L. ~ 6" above bottom of pump
EC7-MW10	1/23/04	0926	18.64				19.77		verified
EC7-MW12	1/23/04	0920	17.86				17.61		Dedicated pump
EC7-MW13	1/23/04	0948	Dry				Dry		
EC7-MW14	1/23/04	0954	24.73				24.50		W.L. ~ 12" above bottom of pump

Note:

a = previous water levels measured on (date[s]): 10 September 2003

DTW = depth to water

TOC = top of casing

Instrument type: Solinst

NEMFac Number: 000510

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW-5
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: NEX	PREPARED BY: B. Gibbs
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1-21-04
WEATHER: clear, cool, calm
TEMPERATURE: ~60°F
SUBCONTRACTOR: NONE

DATE OF SAMPLING: 1-21-04
TIME OF SAMPLING: 0830
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G141

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0740							4.89		8.31	TD-14.95
0755	0800	500	20.83	6.23	9210	139.1	4.89	24.9	8.42	Start purge ~100 ml/min
0800	0805	1000	24.09	6.70	8995	101.9	2.55	12.8	8.51	
0805	0810	1500	23.98	6.82	8947	89.1	2.42	10.63	8.56	
0810	0815	2000	23.82	6.85	8907	83.6	2.34	8.1	8.58	
0815	0820	2500	22.77	6.86	8630	76.5	2.39	5.0	8.60	
0820	0825	3000	22.13	6.84	8591	73.5	2.37	4.8	8.62	
0825	0830	3500	22.71	6.87	8679	68.3	2.34	4.6	8.63	
0830	0835	4000	22.65	6.88	8670	67.1	2.35	4.5	8.65	
				DP 10-25-04						

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20992	1-21-04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20992	1-21-04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP 10-25-04						

REMARKS:

Bechtel

WELL SAMPLING RECORD

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX-MW4

JOB NO.	SITE	PREPARED BY
23818-043	NEX	B. Gaber

CHECKED BY: D. Pender

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1-21-04
WEATHER: cold, overcast, breezy
TEMPERATURE: ~60°F
SUBCONTRACTOR: NONE

DATE OF SAMPLING: 1-21-04
TIME OF SAMPLING: 0950/0950 COMP.
SAMPLE MATRIX: Groundwater
SAMPLE ID: C0436139/C0436140 CDU

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0856									8.25	TD 14.75
0900	0901	500	15.34	7.04	14483	73.3	5.81	18.2	8.35	START pump ~100 ml/min
0905	0910	1000	19.69	6.81	14885	74.6	2.37	10.8	8.41	
0910	0915	1500	20.84	6.79	15408	69.0	1.88	5.2	8.50	
0915	0920	2000	21.13	6.80	15708	65.1	1.78	4.8	8.60	
0920	0925	2500	20.89	6.80	16077	62.9	1.64	4.6	8.65	
0925	0930	3000	20.87	6.77	16480	62.6	1.50	4.5	8.69	
0930	0935	3500	20.85	6.78	16843	60.4	1.40	4.4	8.71	
0935	0940	4000	20.81	6.76	17236	59.3	1.30	4.2	8.72	
0940	0945	4500	21.08	6.76	17650	59.8	1.20	4.2	8.73	
0945	0950	5000	21.29	6.75	17837	56.3	1.15	4.1	8.75	
0950	0955	5500	21.29	6.75	17968	55.3	1.10	4.1	8.76	COLLECT sample
				DP-10-25-04						

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20992	1-21-04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20992	1-21-04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP 10-25-04						

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW-7
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: NEX	PREPARED BY: B. Gober
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1-21-04
WEATHER: RAINY, overcast, calm
TEMPERATURE: ~65°F
SUBCONTRACTOR: NONE

DATE OF SAMPLING: 1-21-04
TIME OF SAMPLING: 1100
SAMPLE MATRIX: Groundwater
SAMPLE ID: C0436143

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA / FIELD PARAMETERS (within range for 3 consecutive measurements)

Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	COMMENTS
1032		1-21-04	~~17.15~~	~~7.40~~		~~76.4~~	~~9.06~~		~~8.89~~ 8.89	TD 14.24
1040	1045	500	17.87	7.34	11951	66.6	7.44	37.8	8.95	START pump ~100 ml/min
1045	1050	1000	20.95	7.15	12397	59.4	3.33	26.1	9.06	
1050	1055	1500	21.35	7.13	12419	54.3	3.63	17.3	9.09	
1055	1100	2000	21.64	7.14	12554	50.1	3.87	12.4	9.12	
1100	1105	2500	21.68	7.12	12555	48.8	3.88	11.7	9.14	COLLECT SAMPLE

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20992	1-21-04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20992	1-21-04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO. 116-MW3
WELL SAMPLING RECORD	JOB NO. 23818-043	SITE UST-116	PREPARED BY B. Gober
			CHECKED BY D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	✓	✓
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume. temp.

PURGING DATE: 1/13/04
WEATHER: clear to partly cloudy, calm
TEMPERATURE: ~65°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1-13-04
TIME OF SAMPLING: 0930
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G127

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0838	—	—							9.76	TD = 14.60
0900	0905	400	24.56	5.98	20593	95.3	7.73	NR	9.81	START PURGE ~80 mL/min
0905	0910	850	25.49	6.05	21655	46.1	9.14	5.91	9.85	increase to 90 mL/min
0910	0915	1300	26.34	6.07	21379	47.5	9.44	3.80	10.05	
0915	0920	1750	26.36	6.12	20870	53.9	9.39	3.60	10.15	
0920	0925	2200	26.33	6.13	20446	59.1	9.00	1.4	10.29	
0925	0930	2650	26.22	6.14	20089	59.7	8.72	0.60	10.41	
0930	0930	3100	25.97	6.15	19945	61.8	8.51	0.5	10.59	- COLLECT SAMPLE
Collect sample										

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20985	1/13/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20985	1/13/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: UST MW-116-2
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST-116	PREPARED BY: B Gober
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1-13-04
WEATHER: clear, cool, calm
TEMPERATURE: ~75°F
SUBCONTRACTOR: NONE

DATE OF SAMPLING: 1-13-04
TIME OF SAMPLING: 1125 and 1140 (DUP)
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G125 + C043G126 (DUP)

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1020									10.08	TD - 15.15
1030										START pumping ~110 ml/min
1035	1040	550	25.85	6.12	15274	-72.7	9.04	10.55	10.10	
1040	1045	1100	27.54	5.92	31729	-81.5	7.46	10.54	10.15	
1045	1050	1650	28.01	5.92	32033	-83.0	7.46	8.90	10.25	
1050	1055	2200	28.39	5.92	30337	-81.7	7.33	8.7	10.36	
1100	1105	2750	28.02	5.90	30258	-79.0	7.07	8.2	10.54	
1105	1110	3300	27.92	5.90	31927	-88.1	6.91	8.58	10.58	COLLECT Sample
				DP	10-25-04					

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + ~~HCl~~ pH<2	1.35	20985	1/13/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + ~~HCl~~ pH<2	1.15	↓	↓	↓
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20985	1/13/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP	10-25-04					

REMARKS: Collect field duplicate sample (C043G126) for all analyses. BTEX and TPH-gas were submitted to lab unacidified because of effervescence

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO. 116-MW4
WELL SAMPLING RECORD	JOB NO. 23818-043	SITE UST 116	PREPARED BY B. Gobe
			CHECKED BY D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/13/2004
WEATHER: clear, calm to breezy, ~80°F
TEMPERATURE: ~80°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1-13-04
TIME OF SAMPLING: 1405
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043-G-128

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1316	—	—	—	—	—	—	—	—	12.90	TD = 17.30 ft blw TOC
1330	1335	-	30.08	6.82	16843	-32.8	9.38	72.91	12.90	START purge ~100 ml/min
1335	1340	500	27.80	6.19	34561	-73.9	6.17	85.2	13.00	
1340	1345	1000	27.66	6.16	34377	-75.1	5.78	85.8	13.09	
1345	1350	1500	28.19	6.17	34622	-79.2	5.54	70.2	13.15	
1350	1355	2000	28.45	6.17	34743	-80.3	5.56	70.1	13.19	
Collect sample										

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20985	1/13/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20985	1/13/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: 116-MW5
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 116	PREPARED BY: Pat Wiegand / Brian Gaber
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/14/2004
WEATHER: clear, calm
TEMPERATURE: ~ 58°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1-14-04
TIME OF SAMPLING: 0920
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G129

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA / FIELD PARAMETERS (within range for 3 consecutive measurements)

Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	COMMENTS
0727	—	—	—	—	—	—	—	—	12.70	TD = 17.20 ft BTOC
0759	0805	300	20.57	6.37	36713	216.4	4.09	56.2	12.80	START PURGING ~120 ml
0805	0810	900	20.70	6.61	39227	174.8	2.25	55.8	12.91	
0810	0815	1500	22.22	6.63	40307	161.7	1.99	34.3	12.98	
0815	0820	2100	24.00	6.66	42097	131.5	1.55	26.1	13.06	
0820	0825	2700	24.46	6.67	42411	114.1	1.41	6.30	13.24	
~~0825~~ 1-14-04 B25	0830	3300	24.86	6.67	42681	163.8	1.44	4.51	13.34	
0830	0835	3900	24.82	6.67	42807	97.9	1.30	3.81	13.40	
0835	0840	4500	25.00	6.67	42828	87.8	1.24	2.51	13.48	
0840	0845	5100	25.29	6.67	43119	79.5	1.14	2.41	13.57	
0845	0850	5700	25.57	6.67	43348	71.5	1.02	2.00	13.63	
0850	0855	5800	25.62	6.68	43335	69.5	0.96	1.60	13.65	
0855	0900	6400	25.79	6.67	43616	64.4	0.88	1.40	13.78	
0500	0900	21000		6.67	43896	60.0	0.84	1.30	13.87	COLLECT SAMPLE

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20986	1/14/04	APPL
X	07 - 09	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
X	11 - 14	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20986	1/14/04	APPL
	15 - 18	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS: Collect MS/MSD for all analyses.

Bechtel	PROJECT: CLEAN 3, NAF El Centro	WELL NO. 533-MW-2
WELL SAMPLING RECORD	JOB NO. 23818-043 / SITE UST-533 NAF El Centro	PREPARED BY B. GOBER
	PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.	CHECKED BY D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING DATE: 1-14-04
WEATHER: clear, cool, calm
TEMPERATURE: ~75°F
SUBCONTRACTOR: NONE

DATE OF SAMPLING: 1-14-04
TIME OF SAMPLING: 1120
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043GT33-131 JW

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1015	—	0	28.69	7.21	15076	120.6	1.95	850.10	11.78	FD=16.4
1020	1025	550	24.58	6.79	18601	80.3	2.00	900	11.93	START purge ~1100 ml/min
1025	1030	1100	24.60	6.76	17013	52.7	2.18	1050	11.96	
1030	1035	1650	24.59	6.70	14223	37.8	2.20	1000	11.99	
1035	1040	2200	24.69	6.71	12943	23.5	2.13	739	12.10	
1040	1045	2750	24.87	6.71	12952	19.4	2.01	641	12.14	
1045	1050	3300	24.96	6.70	12702	14.1	1.91	258	12.19	
1050	1055	3850	25.02	6.72	12289	13.1	1.81	91.5	12.23	
1055	1100	4400	25.05	6.68	12317	12.9	1.74	27.7	12.28	
1100	1105	4950	25.10	6.70	12315	13.6	1.75	21.0	12.38	Collect sample
				DP 10-25-04						

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20986	1/14/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20986	1/14/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP 10-25-04						

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO. MW-533-1
WELL SAMPLING RECORD	JOB NO. 23818-043	SITE UST 533	PREPARED BY B. Gobe
			CHECKED BY D. Burke

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER		
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1-14-04
WEATHER: clear, cool, calm
TEMPERATURE: ~75°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1-14-04
TIME OF SAMPLING: 1340
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G130

PUMP VOLUME V_P = ml.
TUBING INSIDE DIAMETER D = 0.17 in.
TUBING LENGTH L = in.
PUMP INLET DEPTH ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1240	—	—	—	—	—	—	—	—	9.55	T.D.- not taken
1300	1305	500	25.65	6.96	9923	-139.9	1.91	45.7	9.62	START purge ~100 ml/min.
1305	1310	1000	25.90	6.84	10124	-246.6	1.95	26.2	9.69	
1310	1315	1500	26.04	6.82	9961	-298.7	1.92	24.4	9.90	
1315	1320	2000	26.05	6.81	10153	-314.6	1.98	25.8	9.97	
1320	1325	2500	26.06	6.82	10150	-315.4	2.01	27.4	10.04	
1325	1330	3000	26.12	6.82	10154	-318.4	2.02	27.2	10.07	COLLECT SAMPLE

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20986	1/19/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20986	1/19/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS: Purged water has fuel odor and dark gray coloring.

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: MW539-1
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST site 539	PREPARED BY: B. Gober
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:		

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/15/04
WEATHER: partly cloudy, breezy
TEMPERATURE: ~55°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/15/04 JPW 1/15/04
TIME OF SAMPLING: 0830 and ~~0850~~ (DUP)
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G132 and ~~C043G133~~ (DUP) JPW 1/15/04

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0712	—	—	—	—	—	—	—	—	9.64	TD = 16.20 ft blw TOC
0745	0750	400	11.59	6.26	19752	63.8	4.99	29.4	9.83	START purge ~80 ml/min
0750	0755	800	18.22	6.85	24071	-103.3	2.53	22.2	9.90	
0755	0800	1200	20.56	6.89	25772	-116.9	2.11	20.3	9.93	
0800	0805	1600	21.88	6.91	26,425	-122.8	1.86	19.5	10.00	
0805	0810	2000	22.83	6.90	26,959	-124.6	1.74	19.3	10.02	
0810	0815	2400	23.64	6.90	27,393	-128.7	1.67	18.6	10.05	
0815	0820	2800	24.12	6.90	27,606	-128.9	1.43	19.3	10.06	Collect samples

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20987	1/15/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS: ~~Collect field duplicate sample for all analyses (C043G133)~~ JPW 1/15/04

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO. 539 - MW2
WELL SAMPLING RECORD	JOB NO. 23818-043	SITE UST Site 539	PREPARED BY B. Gober
			CHECKED BY D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/15/04
WEATHER: Partly cloudy, calm, warm
TEMPERATURE: ~68°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/15/04
TIME OF SAMPLING: 1015
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G133

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA / **FIELD PARAMETERS** (within range for 3 consecutive measurements) / **COMMENTS**

Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	COMMENTS
0914	—	—	—	—	—	—	—	—	11.19	17.00 ft blw TOC
0920	0925	600	23.44	7.07	17354	-52.9	3.36	86.0	11.29	START purge ~120 ml/min
0925	0930	1200	25.88	6.97	17836	-83.4	2.25	67.8	11.42	
0930	0935	1800	25.92	6.97	16927	-84.0	2.07	63.9	11.50	
0935	0940	2400	26.18	6.96	17999	-87.4	1.91	48.8	11.57	
0940	0945	3000	26.73	6.95	18160	-87.9	1.93	40.0	11.70	
0945	0950	3600	26.99	6.93	18275	-88.2	1.83	30.5	11.75	
0950	0955	4200	27.26	6.92	18392	-89.1	1.75	26.5	11.81	
0955	1000	4800	27.56	6.91	18430	-89.0	1.71	27.8	11.87	
1000	1005	5400	27.62	6.91	18431	-88.5	1.68	28.0	11.92	Collect sample
				DP 10-25-04						

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20987	1/15/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP 10-25-04						

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO. 539-MW3
WELL SAMPLING RECORD	JOB NO. 23818-043	SITE UST Site 539	PREPARED BY B. Gober
			CHECKED BY D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/15/04
WEATHER: clear, breezy
TEMPERATURE: ~70°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/15/04
TIME OF SAMPLING: 1230
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G134

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
										TD =
1145	—	—	—	—	—	—	—	—	8.90	65 ft blw TOC
1150	1155	550	23.07	7.31	21174	-68.6	2.53	93.2	8.94	Start purge ~110 ml/min
1155	1200	1100	24.08	6.98	22869	-101.6	2.33	60.9	9.03	
1200	1205	1650	24.37	6.97	23,411	-110.4	1.72	47.1	9.12	
1205	1210	2200	24.33	6.96	23,485	-112.7	1.62	39.0	9.19	
1210	1215	2755	24.53	6.95	24595	-113.2	1.64	35.3	9.25	
1215	1220	3300	24560	6.95	24549	-111.2	1.77	30.2	9.26	
1220	1225	3850	24561	6.95	24557	-111.6	1.79	28.8	9.27	COLLECT SAMPLE

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20987	1/15/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	WELL NO.
CLEAN 3, NAF El Centro	NEX-MW1

WELL SAMPLING RECORD

JOB NO.	SITE	PREPARED BY
23818-043	UST Site 200 (NEX)	B. Gober

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY D. Parker

PURGING DATE: 1/15/04
WEATHER: partly cloudy, breeze
TEMPERATURE: ~ 70°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1-15-04
TIME OF SAMPLING: 1355
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G135

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1302	—	—	—	—	—	—	—	—	7.85	T.D = 13.80 ft blw TOC.
1315	1320	40550	24.42	6.78	13023	5.7	2.42	166.1	7.90	Start purge ~110 ml/min
1320	1325	1100	25.62	6.66	13170	22.8	1.99	144.0	8.02	
1325	1330	1650	25.65	6.62	13190	6.8	1.93	92.9	8.05	
1330	1335	2200	25.88	6.63	13279	-8.1	1.86	66.1	8.18	
1335	1340	2750	25.75	6.65	13262	-18.7	1.84	57.1	8.25	
1340	1345	2300	25.90	6.61	13360	-24.4	1.80	54.1	8.30	
1345	1350	2850	25.85	6.61	13308	-29.7	1.77	58.3	8.38	
1350	1355	3400	26.05	6.62	13338	-30.5	1.75	57.1	8.41	COLLECT SAMPLE

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20987	1/15/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW3
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 200 (NEX)	PREPARED BY: B. Gober
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/15/04
WEATHER: clear, calm to breeze
TEMPERATURE: ~52°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/15/04
TIME OF SAMPLING: 0850
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G138

PUMP VOLUME	V_p =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C) [± 0.1]	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0711	—	—	—	—	—	—	—	—	8.35	TD = 13.80 blow TOC.
0800	0805	500	17.79	6.24	7548	175.1	6.61	15.9	8.39	START pump ~100 ml/min
0805	0810	1000	21.68	6.85	8466	136.7	4.84	5.01	8.45	
0810	0815	1500	22.99	6.93	8766	101.2	3.86	4.02	8.50	
0815	0820	2000	23.25	6.95	8808	77.8	3.69	3.80	8.52	
0820	0825	2500	23.34	6.98	8752	64.5	3.59	3.00	8.55	
0825	0830	3000	23.53	6.94	8811	54.2	3.52	2.80	8.57	
0830	0835	3500	23.57	6.93	8824	50.7	3.49	2.52	8.59	
0835	0840	4000	23.55	6.93	8830	48.0	3.45	2.43	8.55	COLLECT SAMPLE
				DP 10-25-04						

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20988	1/16/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20988	1/16/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DP 10-25-04						

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW2
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 200 (NEX)	PREPARED BY: B. Gober

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

CHECKED BY: D. Parker

PURGING DATE: 1/16/04
WEATHER: clear, calm
TEMPERATURE: ~64°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/16/04
TIME OF SAMPLING: 0955 and 1002 (DUP)
SAMPLE MATRIX: Groundwater
SAMPLE ID: C0436136 & C0436137 (DUP)

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0905	—	—	—	—	—	—	—	—	7.54	TD = 14.22 below TOC
0925	0930		22.21	7.24	8860	-8.5	9.52	230	7.55	Start purge ~100 ml/min
0930	0935		23.61	6.69	8960	-30.4	3.39	210	7.58	
0935	0940		24.11	6.57	9180	-40.1	2.07	190	7.62	
0940	0945		24.26	6.54	9215	-45.6	1.74	168	7.82	
0945	0950		24.77	6.58	9303	-48.9	1.77	159	7.87	
0950	0955		25.65	6.60	9448	-48.3	1.72	155	7.90	Collected Sample
~~0955~~	~~1000~~	95 1.12.04								

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20988	1/16/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20988	1/16/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS: Collect field duplicate sample C0436137

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW6
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 200 (NEX)	PREPARED BY: B. Gober
			CHECKED BY: D. Carter

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	X	X
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/16/04
WEATHER: clear, warm
TEMPERATURE: ~72°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/16/04
TIME OF SAMPLING: 1102
SAMPLE MATRIX: Groundwater JRW 1/16/04
SAMPLE ID: ~~C0436142~~ C0436142

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C) [± 0.1]	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
1026	—	—	—	—	—	—	—	—	8.01	TD = 15.60 b/w TOC
1030	1025	600	26.49	7.20	4797	-20.3	8.59	62.1	8.05	Start purge ~120 ml/min
1035	1040	1200	26.32	7.64	9624	5.0	5.59	57.3	8.09	
1040	1045	1800	26.26	6.94	9860	17.6	4.42	3.40	8.15	
1045	1050	2400	26.32	6.96	9895	24.2	4.24	2.02	8.22	
1050	1055	3000	26.49	6.95	9920	30.1	4.19	1.92	8.28	
1055	1100	3600	26.75	6.94	9961	34.7	4.18	1.88	8.34	
1100	1105	4200	26.70	6.94	9960	35.1	4.19	1.77	8.36	Collect Sample

D.P. 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20988	1/16/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20988	1/16/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		WELL NO.: NEX-MW8
WELL SAMPLING RECORD	JOB NO.: 23818-043	SITE: UST Site 209 (NEX)	PREPARED BY: D. Gober
			CHECKED BY: D. Parker

	PURGE METHOD	SAMPLING METHOD
BLADDER. PUMP	✓	✓
PER. PUMP	NA	NA
BAILER	↓	↓
OTHER:	↓	↓

PURGING CRITERIA: pH, conductivity, ORP, DO, and turbidity. Minimum one pump system volume.

PURGING DATE: 1/22/04
WEATHER: overcast, raining
TEMPERATURE: ~55°F
SUBCONTRACTOR: NA

DATE OF SAMPLING: 1/22/04
TIME OF SAMPLING: 0907
SAMPLE MATRIX: Groundwater
SAMPLE ID: C043G144

PUMP VOLUME	V_P =		ml.
TUBING INSIDE DIAMETER	D =	0.17	in.
TUBING LENGTH	L =		in.
PUMP INLET DEPTH			ft.

PUMPING SYSTEM VOLUME CALCULATION

PUMPING SYSTEM VOLUME (V_S)

$V_S = V_P + \pi * D^2 / 4 * L * 16.39$ ml/in^3

V_S = ( ) + 3.1415 * 0.17^2 / 4 * ( ) * 16.39 ml/in^3 = ml

PURGING DATA			FIELD PARAMETERS (within range for 3 consecutive measurements)							COMMENTS
Time Begin (hrs)	Time Finish (hrs)	Water Removed (ml)	Temp (°C)	pH [± 0.1]	Conductivity (µmhos) [± 3%]	ORP (mV) [± 10 mV]	DO (mg/L) [± 10%]	Turbidity (NTU) [± 10%]	Water Level (ft)	
0751	—	—	—	—	—	—	—	—	12.55	TD=17.38 ft below TOC
0830	0835	500	17.05	6.65	11557	233.5	4.18	105	12.71	START purge ~100 ml/min.
0835	0840	1000	19.71	6.92	12504	223.3	2.94	62.6	12.81	
0840	0845	1500	20.65	6.92	12774	203.2	3.01	36	12.86	
0845	0850	2000	21.10	6.99	12900	180.7	3.26	31	12.90	
0850	0855	2500	21.49	6.98	13934	166.9	3.22	28	12.96	
0855	0900	3000	21.35	6.95	12,981	155.0	3.31	25.8	12.98	
0900	0905	3500	21.27	6.98	12,995	145.3	3.33	25.6	12.99	collect sample

DP 10-25-04

LABORATORY ANALYSIS

Sampled	Container	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35		1-22-04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15		1-22-04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Porter

THIS BLANK APPLIES TO:	DATE: 1/22/04	TIME: 1248	SAMPLE ID: C043T046

All samples collected this date [X]
Samples from the following wells: [ ]

WELL IDS: NEX-MW8, EC7-MW10, EC1-MW9

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - ~~03~~ 02	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20993	1/22/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20993	1/22/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

PP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	P. Wiegand	

THIS BLANK APPLIES TO:	DATE: 1/27/04	TIME: 1410	SAMPLE ID: C043T047

All samples collected this date [X]
Samples from the following wells: [ ]

WELL IDS: EC-P4, EC2-MW8, and EC2-MW12

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - ~~03~~ 02	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20994	1/27/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

PP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	R. Prince	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/21/04	TIME: 1100	SAMPLE ID: C043T045

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: NEX-MW5, NEX-MW4, NEX-MW7

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20992	1/21/04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20992	1/21/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI water

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	R. Prince	D. Parker

THIS BLANK APPLIES TO:	DATE: 1-21-04	TIME: 1300	SAMPLE ID: C043R029

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: NEX-MW5, NEX-MW4, NEX-MW7

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - 03	VOCs w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.32	20992	1-21-04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20992	1-21-04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D Parker

THIS BLANK APPLIES TO:	DATE: 1/13/2004	TIME: 1340	SAMPLE ID: C043T040

All samples collected this date [X]
Samples from the following wells: [ ]

WELL IDS: MW116-2, 116-MW3, 116-MW4

LABORATORY ANALYSIS

1/13/04

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20985	1/13/04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20985	1/13/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
		DP 10-25-04							

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	D.I. water

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/13/04	TIME: 1450	SAMPLE ID: C043R025

All samples collected this date [X]
Samples from the following wells: [ ]

WELL IDS: MW116-2, 116-MW3, and 116-MW4

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20985	1/13/04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
✓	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20985	1/13/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
		DP 10-25-04							

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		SOURCE: DI water
RINSATE/SOURCE/TRIP BLANK LOG	JOB NO. 23818-043	PREPARED BY: Brian Gober	CHECKED BY: D. Parker
THIS BLANK APPLIES TO:	DATE: 1/14/04	TIME: 1420	SAMPLE ID: C043R026
All samples collected this date [X]	WELL IDS: 116-MW5, MW533-1, and 533-MW2		
Samples from the following wells:			

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20986	1/14/04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	↓	↓	↓
✓	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20986	1/14/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
		DP 10-25-04							

REMARKS:

Bechtel	PROJECT: CLEAN 3, NAF El Centro		SOURCE: Lab
RINSATE/SOURCE/TRIP BLANK LOG	JOB NO. 23818-043	PREPARED BY: Pat Wiegand	CHECKED BY: D. Parker
THIS BLANK APPLIES TO:	DATE: 1/14/04	TIME: 1430	SAMPLE ID: C043T041
All samples collected this date [X]	WELL IDS: 116-MW5, MW533-1, and 533-MW2		
Samples from the following wells:			

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
✓	01 - ~~03~~ 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20986	1/14/04	APPL
✓	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20986	1/14/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
		DP 10-25-04							

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI water

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/15/04	TIME: 1032	SAMPLE ID: C043R027

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: MW539-1, 539-MW2, 539-MW3, and NEX-MW1

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
X	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13	20987	1/15/04	APPL
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DB 10-25-01

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/15/04	TIME: 1210	SAMPLE ID: C043T042

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: MW539-1, 539-MW2, 539-MW3 and NEX-MW1

1/15/04 PW

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20987	1/15/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20987	1/15/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

DB 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI water.

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/16/04	TIME: 0918	SAMPLE ID: C043R028

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: NEX-MW2, NEX-MW3, and NEX-MW6

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - ~~03~~ 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20988	1/16/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20988	1/16/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

1/16/04 gas

DP 10-25-04

REMARKS:

Bechtel

PROJECT	SOURCE
CLEAN 3, NAF El Centro	Lab

RINSATE/SOURCE/TRIP BLANK LOG

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	D. Parker

THIS BLANK APPLIES TO:	DATE: 1/16/04	TIME: 1110	SAMPLE ID: C043T043

All samples collected this date [X]
Samples from the following wells: [ ]
WELL IDS: NEX-MW2, NEX-MW3, and NEX-MW6

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - ~~03~~ 02	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20988	1/16/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20988	1/16/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

1/16/04 gas

DP 10-25-04

REMARKS:

Bechtel

RINSATE/SOURCE/TRIP BLANK LOG

PROJECT	SOURCE
CLEAN 3, NAF El Centro	DI water

JOB NO.	PREPARED BY	CHECKED BY
23818-043	Pat Wiegand	P. Parker

~~THIS BLANK APPLIES TO:~~	DATE: 1/22/04	TIME: 1112	SAMPLE ID: C043R030

All samples collected this date		WELL IDS:
Samples from the following wells:	X	NEX-MW8

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
X	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35	20993	1/22/04	APPL
X	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15	20993	1/22/04	APPL
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			
			DB 10-25-04						

REMARKS:

Bechtel

RINSATE/SOURCE/TRIP BLANK LOG

PROJECT	SOURCE
CLEAN 3, NAF El Centro	

JOB NO.	PREPARED BY	CHECKED BY
23818-043		

THIS BLANK APPLIES TO:	DATE:	TIME:	SAMPLE ID:

All samples collected this date		WELL IDS:
Samples from the following wells:		

LABORATORY ANALYSIS

Sampled	Container #	Analysis	Type	Volume	Preservative	Pay Item	COC#	Ship Date	Laboratory
	01 - 03	BTEX w/oxygenates	Glass	3 × 40 ml	4°C + HCl	1.35			
	07 - 08	TPH-gasoline	Glass	3 × 40 ml	4°C + HCl	1.15			
	11 - 12	TPH-diesel	Amber Glass	2 × 1 L	4°C	2.13			
	15 - 16	Pesticides/PCBs	Amber Glass	2 × 1 L	4°C	3.3			
	19	TAL metals	Plastic	1 × 1 L	4°C + HNO_3	4.3			
	19	Tin by ICP	Plastic	1 × 1 L	4°C + HNO_3	4.6			
	21	Hex. chromium	Plastic	1 × 250 mL	4°C	4.11			
	23	Anions	Plastic	1 × 1 L	4°C	5.9			
	23	TDS	Plastic	1 × 1 L	4°C	5.38			
	23	Alkalinity	Plastic	1 × 1 L	4°C	5.4			

2/4/04

REMARKS: