APPENDIX H

MONITORING WELL PURGE DATA SHEETS

H-1 MONITORING WELL PURGE DATA SHEETS – ROUND 1, JUNE-JULY 1999
H-2 MONITORING WELL PURGE DATA SHEETS – ROUND 2, NOVEMBER 1999
H-3 MONITORING WELL PURGE DATA SHEETS – ROUND 3, MARCH 2002

H-1

MONITORING WELL PURGE DATA SHEETS – ROUND 1, JUNE-JULY 1999

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/12/99
WEATHER: Sunny - Mid 70's °F
MONITORING WELL NO.: MW-1

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
08:34	NA	NA	20.96	NA	320	NA	191.9	NA	6.40	NA	2.5	NA	NA	NA	5.51
8:40	Replaced controller														
08:43	6.51	NA	21.14	100.00	355	100.0	178.5	NA	4.40	NA	0.9	NA	NA	NA	5.51
08:47	6.49	0.02	20.16	4.86	370	4.1	179.0	0.5	3.61	21.9	0.7	< 1 NTU	1,700	425	5.47
08:50	6.50	0.01	20.25	0.44	379	2.4	177.6	1.4	3.61	0.0	0.1	< 1 NTU	2,975	425	5.47
08:53	6.52	0.02	20.37	0.59	387	2.1	173.2	4.4	3.44	4.9	-0.1	< 1 NTU	4,325	450	5.45
08:56	6.52	0	20.21	0.79	391	1.0	173.8	0.6	3.45	0.3	0.5	< 1 NTU	5,600	425	5.45
08:59	6.52	0	20.07	0.70	402	2.7	174.4	0.6	3.29	4.9	-0.3	< 1 NTU	6,950	450	5.45
09:02	6.52	0	20.04	0.15	409	1.7	174.6	0.2	3.32	0.9	-0.3	< 1 NTU	7,400	450	5.45
09:05	6.52	0	20.05	0.05	415	1.4	174.2	0.4	3.28	1.2	-0.4	< 1 NTU	8,750	450	5.45
09:08	6.53	0.01	20.02	0.15	425	2.4	174.3	0.1	3.04	7.9	-0.3	< 1 NTU	10,100	450	5.45
09:11	6.53	0	20.00	0.10	432	1.6	174.3	0.0	3.09	1.6	-0.4	< 1 NTU	11,375	425	5.45
09:14	6.53	0	20.02	0.10	437	1.1	174.3	0.0	2.90	6.6	-0.4	< 1 NTU	12,650	425	5.44
09:17	6.53	0	20.04	0.10	440	0.7	174.0	0.3	2.89	0.3	-0.3	< 1 NTU	13,925	425	5.44

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- @ 0925hrs.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/12/1999
WEATHER: Sunny, Slightly breezy, 70 deg F
MONITORING WELL NO.: MW-2

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:34	6.56	NA	22	NA	1328	NA	-102.4	NA	0.89	NA	12.7	NA	NA	NA	5.1
8:37	6.57	0.01	21.54	2.14	1327	0.08	-105.3	2.9	0.80	11.25	10.3	23.30	1200	400	5.11
8:41	6.58	0.01	21.33	0.98	1334	0.52	-107.0	1.7	0.75	6.67	6.9	49.28	2800	400	5.11
8:44	6.58	0	21.26	0.33	1339	0.37	-107.7	0.7	0.73	2.74	5.7	21.05	4000	400	5.11
8:47	6.59	0.01	21.22	0.19	1347	0.59	-109.6	1.9	0.80	8.75	5.1	11.76	5200	400	5.12
8:51	6.59	0	21.25	0.14	1352	0.37	-109.9	0.3	0.72	11.11	4.8	6.25	6800	400	5.11
8:54	6.6	0.01	21.15	0.47	1360	0.59	-111.1	1.2	0.70	2.86	4.3	11.63	8000	400	5.11
8:59	6.61	0.01	21.05	0.48	1369	0.66	-112.5	1.4	0.74	5.41	4.2	2.38	10000	400	5.11
9:03	6.61	0	21.02	0.14	1372	0.22	-112.6	0.1	0.73	1.37	3.9	7.69	11600	400	5.11
9:06	6.61	0	21.14	0.57	1376	0.29	-113.6	1.0	0.73	0	3.7	5.41	12800	400	5.11

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/12/99
WEATHER: Partly Cloudy - Mid. 70's °F
MONITORING WELL NO.: MW-4

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:12	6.76	NA	24.50	NA	5710	NA	41.8	NA	5.09	NA	66.50	NA	NA	NA	NR
10:17	6.93	0.17	20.28	20.81	14440	60.46	86.5	44.70	1.43	255.94	15.90	318.24	2125	425	NR
10:22	6.97	0.04	20.34	0.29	13990	3.22	90.8	4.30	1.07	33.64	9.60	65.63	3875	350	NR
10:26	6.98	0.01	20.17	0.84	13584	2.99	93.1	2.30	0.83	28.92	6.90	39.13	5275	350	NR
10:30	6.99	0.01	20.16	0.05	13210	2.83	94.9	1.80	0.7	18.57	6.00	15.00	6675	350	NR
10:35	7.01	0.02	20.25	0.44	13196	0.11	98.8	3.90	1.48	52.70	0.00	> 1 NTU	8425	350	NR
10:40	7.03	0.02	20.38	0.64	12725	3.70	95.6	3.20	0.93	59.14	0.10	> 1 NTU	10175	350	NR
10:45	7.02	0.01	20.16	1.09	12539	1.48	96.0	0.40	0.95	2.11	0.20	> 1 NTU	11925	350	NR
10:50	7.02	0.00	19.67	2.49	12346	1.56	96.6	0.60	1.02	6.86	-0.10	> 1 NTU	13675	350	NR
10:57	7.03	0.01	19.95	1.40	12140	1.70	97.8	1.20	1.21	15.70	-0.10	> 1 NTU	16125	350	NR
11:00	7.02	0.01	20.00	0.25	12061	0.66	98.0	0.20	1.27	4.72	0.10	> 1 NTU	17175	350	NR
11:05	7.03	0.01	19.98	0.10	11989	0.60	98.5	0.50	1.33	4.51	0.10	> 1 NTU	18925	350	NR
11:10	7.02	0.01	19.90	0.40	11909	0.67	98.7	0.20	1.42	6.34	0.10	> 1 NTU	20675	350	NR
11:13	7.03	0.01	19.65	1.27	11831	0.66	98.7	0.00	1.49	4.70	-0.10	> 1 NTU	21875	400	NR
11:16	7.03	0.00	19.82	0.86	11800	0.26	98.9	0.20	1.6	6.88	0.00	> 1 NTU	22925	350	NR
11:19	7.03	0.00	19.61	1.07	11759	0.35	98.9	0.00	1.65	3.03	0.00	> 1 NTU	23975	350	NR
11:22	7.03	0.00	19.58	0.15	11742	0.14	98.8	0.10	1.68	1.79	0.20	> 1 NTU	25025	350	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements.
4) Sampled for VOC, SVOC, PCB, Metals, CN^-, Cl^-. We also took a Duplicate and MS/MSD Sample @1125 hrs.
5) Pump Screen was set 12.5 feet below top of riser.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/06/99
WEATHER: Sunny, ~100's °F
MONITORING WELL NO.: PZ-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:00	6.83	NA	20.51	NA	5222	NA	-78.5	NA	3.11	NA	69.7	NA	NA	NA	5.87
11:05	6.79	0.04	20.44	0.34	5499	5.04	-54.8	23.7	4.77	34.80	142.3	51.02		500	5.98
11:10	6.78	0.01	20.56	0.58	5508	0.16	-55.5	0.7	4.66	2.36	207.3	31.36		400	5.98
11:15	6.76	0.02	20.83	1.30	5531	0.42	-56.9	1.4	4.21	10.69	367.0	43.51		375	5.98
11:20	6.78	0.02	20.83	0.00	5534	0.05	-44.6	12.3	4.79	12.11	296.0	23.99		400	5.98
11:25	6.76	0.02	20.48	1.71	5556	0.40	-49.4	4.8	4.95	3.23	205.1	44.32		400	5.98
11:30	6.74	0.02	20.22	1.29	5546	0.18	-50.6	1.2	5.63	12.08	208.6	1.68		375	5.98
11:35	6.74	0.00	20.31	0.44	5530	0.29	-57.7	7.1	5.81	3.10	211.5	1.37		375	5.98
11:40	6.73	0.01	21.00	3.29	5517	0.24	-53.4	4.3	8.35	30.42	200.9	5.28		350	5.98
11:45	6.74	0.01	21.32	1.50	5514	0.05	-54.4	1.0	8.26	1.09	162.4	23.71		350	5.98
11:50	6.74	0.00	22.21	4.01	5511	0.05	-56.2	1.8	8.76	5.71	168.2	3.45		200	5.98
11:55	6.73	0.01	23.27	4.56	5531	0.36	-58.3	2.1	8.80	0.45	164.5	2.25		450	5.98
12:00	6.74	0.01	20.42	13.96	5498	0.60	-56.8	1.5	8.45	4.14	159.1	3.39		400	5.98
12:03	6.73	0.01	20.20	1.09	5484	0.26	-55.6	1.2	9.00	6.11	155.0	2.65		400	5.98
12:06	6.73	0.00	20.19	0.05	5471	0.24	-55.2	0.4	8.71	3.33	125.0	24.00		375	6.00
12:09	6.72	0.01	20.01	0.90	5460	0.20	-54.8	0.4	9.08	4.07	124.7	0.24		400	6.00
12:12	6.72	0.00	20.01	0.00	5453	0.13	-54.7	0.1	8.87	2.37	119.7	4.18	20000	400	6.00

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Pump was set to 29 feet below top of riser.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/06/99
WEATHER: Sunny, ~ 100's °F
MONITORING WELL NO.: PZ-4D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
13:35	6.75	NA	20.68	NA	3498	NA	6.3	NA	7.17	NA	1530.2	NA	NA	NA	3.01
13:40	6.60	0.15	21.31	3.0	3806	8.1	-1.2	7.5	9.06	20.9	1772.0	13.65	875	175	3.20
13:45	6.58	0.02	22.72	6.2	3886	2.1	-3.7	2.5	9.28	2.4	1945.0	8.89	1375	100	3.10
13:50	6.54	0.04	19.67	15.5	3582	8.5	-4.2	0.5	9.48	2.1	2080.0	6.49	2625	250	3.41
13:55	6.59	0.05	19.06	3.2	3922	8.7	-3.1	1.1	9.24	2.6	2075.2	0.23	3625	200	3.31
14:00	6.59	0.00	18.96	0.5	3794	3.4	-4.4	1.3	8.99	2.8	2074.5	0.03	4750	225	3.30
14:05	6.59	0.00	18.86	0.5	3590	5.7	-4.8	0.4	9.05	0.7	2074.3	0.01	6000	250	3.31
14:10	6.62	0.03	19.24	2.0	3484	3.0	-6.0	1.2	9.21	1.7	2076.5	0.11	7000	200	3.26
14:20	6.76	0.14	19.59	1.8	3374	3.3	2.9	8.9	3.51	162.4	2078.8	0.11	9000	200	3.29
14:25	6.69	0.07	20.54	4.6	3431	1.7	-5.0	7.9	4.28	18.0	2084.5	0.27	9750	150	3.14
14:35	6.67	0.02	20.4	0.7	3372	1.7	-8.6	3.6	5.55	22.9	2083.8	0.03	11500	175	3.08
14:38	6.67	0.00	20.3	0.5	3361	0.3	-9.1	0.5	4.52	22.8	2083.2	0.03	12025	175	3.08
14:41	6.66	0.01	20.29	0.0	3344	0.5	-9.6	0.5	4.64	2.6	2083.1	0.00	12475	150	3.08
14:44	6.66	0.00	20.34	0.2	3315	0.9	-10.7	1.1	4.93	5.9	2083.2	0.00	12925	150	3.08

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- and a MS/MSD sample @ 1500hrs and 1600hrs, respectively.
4) Pump was set to 34 feet below top of riser.
5) Between 1410 and 1420hrs, the YSI unit's flow-through cell was cleaned without stopping purging.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/06/99
WEATHER: Sunny, ~100's °F.
MONITORING WELL NO.: PZ-5D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
08:50	6.22	NA	23	NA	6695	NA	100.1	NA	14.59	NA	180.5	NA	NA	NA	3.75
08:55	6.21	0.01	17.93	28.28	5935	12.81	-83.4	183.5	12.34	18.233387	480.6	62.44278	1750	350	3.85
09:00	6.22	0.01	17.91	0.11	5752	3.18	-86.8	3.4	16.24	24.014778	28.7	1574.5645	3250	300	3.85
09:07	6.23	0.01	18.03	0.67	5712	0.70	-75.6	11.2	6.02	169.76744	122.7	76.609617	5000	250	3.87
09:10	6.29	0.06	17.73	1.69	5674	0.67	-84.7	9.1	7.16	15.921788	28.6	329.02098	5900	300	3.89
09:15	6.32	0.03	17.58	0.85	5582	1.65	-91	6.3	6.33	13.112164	41.2	30.582524	7400	300	3.89
09:20	6.36	0.04	17.51	0.40	5616	0.61	-98.6	7.6	7.52	15.824468	42.3	2.6004728	8900	300	3.89
09:24	6.38	0.02	17.53	0.11	5695	1.39	-103.3	4.7	7.64	1.5706806	44.9	5.7906459	10100	300	3.92
09:27	6.39	0.01	17.51	0.11	5739	0.77	-106.4	3.1	7.06	8.2152975	43.7	2.7459954	11000	300	3.93

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, and Cl^- @ 0940 hrs.
4) Pump was set to 38' feet below top of riser.
5) Before time interval 0927hrs, ysi-flow through cell was cleaned.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/02/99
WEATHER: Sunny - Mid 70's °F
MONITORING WELL NO.: PZ-7D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
09:10	6.32	NA	21.08	NA	16815	NA	41.9	NA	22.86	NA	14.7	NA	NA	NA	4.56
09:15	6.25	0.07	19.80	6.46	19467	13.62	21.0	20.9	23.59	3.09	21.7	32.3	750	150	4.56
09:18	6.22	0.03	19.44	1.85	20180	3.53	21.3	0.3	23.73	0.59	12.8	69.5	1200	150	4.56
09:23	6.21	0.01	16.76	15.99	20609	2.08	21.3	0.0	23.30	1.85	8.1	58.0	3075	375	4.57
09:28	6.22	0.01	16.36	2.44	20657	0.23	17.3	4.0	23.15	0.65	7.9	2.5	4950	375	4.57
09:33	6.22	0.00	16.40	0.24	20668	0.05	15.8	1.5	23.30	0.64	7.4	6.8	6825	375	4.57
09:36	6.22	0.00	16.37	0.18	20668	0.00	14.7	1.1	23.29	0.04	7.0	5.7	7950	375	4.58
09:39	6.22	0.00	16.24	0.80	20668	0.00	13.8	0.9	23.33	0.17	7.0	0.0	9075	375	4.58

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, and CN^- @ 0940hrs.
4) NR - Not Recorded; the pump apparatus blocked water level measurements.
5) Pump was set to 23 feet below top of riser.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/07/1999
WEATHER: Breezy/windy, clear, full sun, 80+ deg F
MONITORING WELL NO.: PZ-8D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
10:49	7.21	NA	19.27	NA	259	NA	-43.9	NA	0.7	NA	113.6	NA	NA	NA	5.5
10:52	7.26	0.05	19.13	0.73	271	4.43	-50.4	6.5	0.62	12.90	109.0	4.22	1230	410	5.5
10:55	7.29	0.03	19.23	0.52	285	4.91	-54.8	4.4	0.58	6.90	101.2	7.71	2460	410	5.5
10:58	7.29	0	19.13	0.52	302	5.63	-57.7	2.9	0.55	5.45	96.0	5.42	3660	400	5.5
11:01	7.30	0.01	19.12	0.05	319	5.33	-58.7	1.0	0.52	5.77	89.7	7.02	4860	400	5.5
11:04	7.30	0	19.15	0.16	340	6.18	-60.1	1.4	0.49	6.12	81.2	10.47	6060	400	5.5
11:07	7.30	0	19.16	0.05	360	5.56	-59.8	0.3	0.48	2.08	79.7	1.88	7260	400	5.5
11:10	7.32	0.02	19.15	0.05	383	6.01	-59.8	0	0.46	4.35	71.8	11.00	8460	400	5.5
11:13	7.29	0.03	19.12	0.16	403	4.96	-58.5	1.3	0.46	0	69.1	3.91	9660	400	5.5
11:16	7.29	0	19.15	0.16	431	6.50	-57.8	0.7	0.44	4.55	66.9	3.29	10860	400	5.5
11:19	7.25	0.04	19.08	0.37	448	3.79	-55.4	2.4	0.43	2.33	63.5	5.35	12060	400	5.5
11:24	7.25	0	19.10	0.10	483	7.25	-53.2	2.2	0.42	2.38	57.5	10.43	14060	400	5.5
11:27	7.22	0.03	19.14	0.21	511	5.48	-50.5	2.7	0.41	2.44	49.6	15.93	15260	400	5.5
11:32	7.19	0.03	19.23	0.47	541	5.55	-48.4	2.1	0.42	2.38	48.1	3.12	17260	400	5.5
11:36	7.17	0.02	19.04	1.00	571	5.25	-44.9	3.5	0.4	5.00	46.6	3.22	18860	400	5.5
11:40	7.17	0	19.09	0.26	587	2.73	-45.2	0.3	0.38	5.26	44.8	4.02	20460	400	5.5
11:43	7.15	0.02	19.00	0.47	600	2.17	-42.9	2.3	0.38	0	43.1	3.94	21660	400	5.5
11:46	7.13	0.02	18.98	0.11	618	2.91	-40.5	2.4	0.38	0	40.0	7.75	22860	400	5.5

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/1999
WEATHER: Overcast, humid, 75 deg
MONITORING WELL NO.: PZ-9D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Bertolloti

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:45	7.07	NA	18.93	NA	4739	NA	81.8	NA	0.76	NA	18.4	NA	NA	NA	7.53
11:49	7.06	0.01	18.96	0.16	5355	11.50	81.7	0.1	0.72	5.56	18.4	0	1400	350	7.54
11:54	7.04	0.02	18.97	0.05	5330	0.47	81.4	0.3	0.62	16.13	15.9	15.72	3150	350	7.53
11:57	7.03	0.01	18.90	0.37	5315	0.28	81.4	0	0.58	6.90	20.4	22.06	4200	350	7.53
12:03	7.03	0	19.00	0.53	5288	0.51	81.4	0	0.54	7.41	10.2	100.00	6300	350	7.54
12:07	7.03	0	19.10	0.52	5266	0.42	80.7	0.7	0.51	5.88	10.1	0.99	7700	350	7.52
12:10	7.02	0.01	19.17	0.37	5241	0.48	80.1	0.6	0.50	2.00	8.0	26.25	8750	350	7.52
12:14	7.02	0	19.17	0	5213	0.54	79.5	0.6	0.49	2.04	6.8	17.65	10150	350	7.52
12:17	7.02	0	19.00	0.89	5182	0.60	79.6	0.1	0.47	4.26	7.3	6.85	11200	350	7.52
12:20	7.02	0	18.96	0.21	5161	0.41	79.6	0	0.46	2.17	7.0	4.29	12250	350	7.56
12:25	7.01	0.01	18.95	0.05	5122	0.76	78.7	0.9	0.45	2.22	7.0	0	14000	350	7.56

*Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
**Water elevation could not be measured due to the pump being above the water table.
NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/99
WEATHER: Rainy, 70's °F
MONITORING WELL NO.: PZ-11D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
09:09	6.88	NA	17.51	NA	1387	NA	212.0	NA	3.80	NA	120.0	NA	NA	NA	4.78
09:15	6.94	0.06	16.54	5.9	1390	0.22	216.0	4.0	1.70	123.5	53.3	125.1	2100	350	NR
09:20	6.96	0.02	16.62	0.5	1393	0.22	217.0	1.0	1.67	1.8	74.4	28.4	3850	350	NR
09:27	7.02	0.06	17.26	3.7	1400	0.50	218.4	1.4	1.53	9.2	81.5	8.7	6300	350	NR
09:30	7.04	0.02	17.55	1.7	1401	0.07	218.5	0.1	1.46	4.8	82.0	0.6	7350	350	NR
09:35	7.08	0.04	17.37	1.0	1410	0.64	218.7	0.2	1.27	15.0	101.4	19.1	9100	350	NR
09:53	7.21	0.13	17.44	0.4	1458	3.29	247.7	29.0	1.12	13.4	6.5	1460.0	15400	350	NR
09:57	7.23	0.02	17.25	1.1	1474	1.09	244.5	3.2	0.76	47.4	5.1	27.5	16800	350	NR
10:00	7.24	0.01	17.21	0.2	1478	0.27	243.3	1.2	0.66	15.2	5.8	12.1	17850	350	NR
10:03	7.25	0.01	17.31	0.6	1483	0.34	240.8	2.5	0.62	6.5	6.3	7.9	18900	350	NR
10:06	7.26	0.01	17.20	0.6	1489	0.40	239.9	0.9	0.52	19.2	6.3	0.0	19950	350	NR
10:09	7.26	0.00	17.20	0.0	1490	0.07	238.4	1.5	0.48	8.3	6.6	4.5	21000	350	NR
10:12	7.26	0.00	17.31	0.6	1492	0.13	236.3	2.1	0.48	0.0	6.8	2.9	22050	350	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, and CN^-.
4) NA - Not available
5) NR - Not Recorded

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/07/99
WEATHER: Sunny; Mid 80's °F
MONITORING WELL NO.: PZ-13D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:50	6.32	NA	31.74	NA	898	NA	79.5	NA	4.57	NA	16.5	NA	NA	NA	4.76
11:55	6.32	0.00	29.48	7.67	930	3.44	84	4.5	3.57	28.01	28.2	41.49	750	150	4.76
12:00	6.32	0.00	25.1	17.45	944	1.48	92.8	8.8	3.07	16.29	38.1	25.98	2250	300	4.79
12:05	6.3	0.02	23.3	7.73	942	0.21	102.7	9.9	2.36	30.08	45.5	16.26	3750	300	4.79
12:08	6.29	0.01	22.57	3.23	939	0.32	111.8	9.1	3.15	25.08	43	5.81	4850	400	4.76
12:15	6.29	0.00	22.07	2.27	929	1.08	126.3	14.5	2.39	31.80	309	86.08	8100	450	4.76
12:20	6.28	0.01	21.65	1.94	950	2.21	126.8	0.5	2.35	1.70	16.1	1819.25	10350	450	4.77
12:25	6.27	0.01	21.31	1.60	946	0.42	137.6	10.8	2.57	8.56	6.9	133.33	12600	450	4.77
12:28	6.27	0.00	21.6	1.34	943	0.32	137.2	0.4	2.52	1.98	5.6	23.21	13950	450	4.77
12:31	6.26	0.01	21.67	0.32	945	0.21	137.4	0.2	2.46	2.44	5.6	0.00	15300	450	4.77
12:34	6.27	0.01	21.59	0.37	943	0.21	137.4	0	2.66	7.52	5.8	3.45	16650	450	4.77

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Started pumping @ 1150hrs.
4) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^-, Sulfide, TOC, NH^+_4, ALK/BOD/Anions, DOC, Dissolved Metals, COD, Dissolved Gases @ 1150hrs.
5) NR - Not Recorded; the pump apparatus blocked water level measurements.
6) Pump was set to 26.5 feet below top of riser.
7) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/99
WEATHER: Cloudy ~70's °F.
MONITORING WELL NO.: PZ-16D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
16:48	6.53	NA	20.92	NA	427	NA	58.3	NA	1.52	NA	57.5	NA	NA	NA	4.36
16:51	6.50	0.03	20.19	3.6	561	23.9	43.2	15.1	1.01	50.5	49.3	16.6	900	300	4.38
16:55	6.46	0.04	19.05	6.0	603	7.0	31.7	11.5	0.67	50.7	35.4	39.3	2400	375	4.38
17:05	6.44	0.02	18.86	1.0	609	1.0	49.4	17.7	0.63	6.3	22.6	56.6	6900	450	4.38
17:10	6.42	0.02	18.61	1.3	610	0.2	29.4	20.0	0.62	1.6	7.6	197.4	9150	450	4.38
17:13	6.41	0.01	18.50	0.6	609	0.2	24.1	5.3	0.50	24.0	7.5	1.3	10500	450	4.38
17:17	6.42	0.01	18.57	0.4	608	0.2	18.3	5.8	0.60	16.7	5.7	31.6	12300	450	4.38
17:21	6.42	0.00	18.56	0.1	600	1.3	15.6	2.7	0.58	3.4	4.5	26.7	14100	450	4.40
17:25	6.42	0.00	18.52	0.2	605	0.8	14.9	0.7	0.45	28.9	3.7	21.6	15900	450	4.40
17:30	6.42	0.00	18.47	0.3	603	0.3	10.5	4.4	0.68	33.8	3.2	15.6	18150	450	4.40
17:35	6.42	0.00	18.37	0.5	600	0.5	0.7	9.8	0.47	44.7	2.3	39.1	20400	450	4.42
17:45	6.42	0.00	18.29	0.4	597	0.5	-6.1	6.8	0.47	0.0	2.8	17.9	24900	450	4.42
17:50	6.42	0.00	18.25	0.2	593	0.7	-9.8	3.7	0.44	6.8	1.7	64.7	27150	450	4.42
17:55	6.42	0.00	18.30	0.3	590	0.5	-15.0	5.2	0.40	10.0	1.2	41.7	29400	450	4.42
18:02	6.43	0.01	18.21	0.5	587	0.5	-19.2	4.2	0.34	17.6	1.0	< 1 NTU	32550	450	4.42
18:08	6.43	0.00	18.21	0.0	584	0.5	-25.0	5.8	0.34	0.0	1.0	< 1 NTU	35250	450	4.42
18:11	6.43	0.00	18.25	0.2	583	0.2	-26.1	1.1	0.35	2.9	0.7	< 1 NTU	36600	450	4.42
18:14	6.43	0.00	18.23	0.1	581	0.3	-27.3	1.2	0.36	2.8	0.8	< 1 NTU	37950	450	4.42

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, and CN^-.
4) Pump was set to 25 feet below top of riser.
5) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/02/1999
WEATHER: Overcast, windy, 70 deg
MONITORING WELL NO.: PZ-17D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: E. Hastings, A. Murphy

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:53	6.58	NA	18.37	NA	19591	NA	161.6	NA	0.84	NA	651	NA	NA	NA	4.36
9:57	Purging stopped to clean cell silt out of flow through cell.														
10:02	6.69	NA	18.45	NA	19605	NA	161.9	NA	0.86	NA	21	NA	NA	NA	4.48
10:05	6.69	0	18.22	1.26	19590	0.0765697	160.1	1.8	0.63	36.51	20.7	1.45	1050	350	4.47
10:07	6.69	0	18.11	0.61	19558	0.1636159	158.5	1.6	0.56	12.5	21.7	4.61	1750	350	4.58
10:12	6.71	0.02	18	0.61	19499	0.3025796	155.5	3.0	0.45	24.44	33	34.24	3500	350	4.58
10:17	Purging stopped to clean cell silt out of flow through cell.														
10:20	Start pump, silt still stirring in cell.														
10:24	6.74	NA	18.27	NA	19578	NA	160.3	NA	0.78	NA	NR	NA	6650	350	4.45
10:30	Keep purging while cleaning flow through cell.														
10:32	6.76	NA	18.22	NA	19576	NA	156.8	NA	0.86	NA	944	NA	9050	300	4.47
10:37	6.75	0.01	18.16	0.33	19576	0	154.9	1.9	0.72	19.44	1430.8	34.02	10550	300	4.47
10:42	6.74	0.01	18.22	0.33	19536	0.20	152.6	2.3	0.52	38.46	1288.7	11.03	12050	300	4.47
10:47	6.74	0	19.82	8.07	19502	0.17	148.8	3.8	0.61	14.75	1098	17.37	12675	125	4.0
10:52	6.75	0.01	20.57	3.65	19549	0.24	145.9	2.9	0.56	8.93	654.4	67.79	13300	125	4.0
10:57	6.76	0.01	20.67	0.48	19547	0.01	143.2	2.7	0.53	5.66	694.4	5.76	13925	125	3.98
11:02	6.76	0	21.13	2.18	19535	0.06	140.5	2.7	0.55	3.64	702.8	1.20	14550	125	3.98
11:07	6.76	0	21.41	1.31	19547	0.06	138.5	2.0	0.55	0	696.4	0.92	15175	125	3.98
11:12	6.76	0	21.26	0.71	19557	0.05	136.7	1.8	0.51	7.84	700.2	0.54	15800	125	3.98
11:17	6.76	0	21.21	0.24	19540	0.09	134.3	2.4	0.5	2.00	668.2	4.79	16425	125	3.98

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/08/99
WEATHER: Sunny, Low 80's °F
MONITORING WELL NO.: WC-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
08:20	6.47	NA	23.67	NA	769	NA	7.3	NA	1.26	NA	93.0	NA	NA	NA	NR
08:22	6.57	0.10	21.81	8.5	484	58.9	-54.3	61.6	0.67	88.1	17.7	425.4	1,100	550	NR
08:25	6.60	0.03	22.21	1.8	478	1.3	-60.9	6.6	0.73	8.2	11.6	52.6	1,925	275	NR
08:30	6.65	0.05	22.54	1.5	447	6.9	-68.8	7.9	0.60	21.7	6.1	90.2	3,300	275	NR
08:35	6.67	0.02	22.66	0.5	437	2.3	-70.6	1.8	0.63	4.8	8.2	25.6	4,675	275	NR
08:39	6.68	0.01	22.71	0.2	433	0.9	-72.6	2.0	0.64	1.6	1.3	530.8	5,775	275	NR
08:43	6.69	0.01	22.74	0.1	429	0.9	-73.6	1.0	0.60	6.7	0.7	< 1 NTU	6,875	275	NR
08:46	6.71	0.02	22.84	0.4	432	0.7	-74.2	0.6	0.65	7.7	0.6	< 1 NTU	7,700	275	NR
08:49	6.71	0.00	22.86	0.1	431	0.2	-74.6	0.4	0.64	1.6	0.6	< 1 NTU	8,525	275	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Pump was set @ 8' below top of riser.
4) Started pumping @ 0817hrs.
5) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- @ 0900hrs.
6) NA - Not available
7) NR - Not Recorded; the pump apparatus blocked water level measurements

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/7/1999
WEATHER: Windy, clear, 80+ deg F
MONITORING WELL NO.: WC-2D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
14:17	6.36	NA	18.64	NA	5263	NA	-82.3	NA	1.07	NA	7.4	NA	NA	NA	4.45
14:20	6.37	0.01	18.8	0.85	5262	0.02	-86.3	4.0	1.02	4.90	7.4	0	1275	425	4.35
14:24	6.38	0.01	18.97	0.90	5268	0.11	-94.7	8.4	1.02	0	7.1	4.23	2975	425	4.35
14:27	6.38	0	18.73	1.28	5272	0.08	-96.6	1.9	1.03	0.97	7.2	1.39	4250	425	4.35

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/12/1999
WEATHER: Sunny, Breezy, 70+ deg F
MONITORING WELL NO.: WC-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Bertolloti

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
10:17	7.38	NA	21.0	NA	24777	NA	-219.4	NA	0.7	NA	7	NA	NA	NA	NR
10:21	7.46	0.08	20.8	0.58	24368	1.68	-248.7	29.3	0.58	20.69	2.6	169.23	1500	375	NR
10:25	7.52	0.06	20.6	0.97	24152	0.89	-273.9	25.2	0.63	7.94	1.9	36.84	3000	375	NR
10:29	7.56	0.04	20.6	0.39	23954	0.83	-289.2	15.3	0.58	8.62	1.4	35.71	4500	375	NR
10:32	7.58	0.02	20.5	0.24	23780	0.73	-297.8	8.6	0.62	6.45	1	40	5625	375	NR
10:35	7.61	0.03	20.4	0.29	23607	0.73	-306.4	8.6	0.55	12.73	0.6	> 1 NTU	6750	375	NR
10:38	7.63	0.02	20.4	0.39	23402	0.88	-313.8	7.4	0.61	9.84	0.2	> 1 NTU	7875	375	NR
10:42	7.65	0.02	20.3	0.49	23245	0.68	-319.0	5.2	0.71	14.08	0.3	> 1 NTU	9375	375	NR
10:45	7.67	0.02	20.2	0.25	23044	0.87	-324.2	5.2	0.76	6.58	0.7	> 1 NTU	10500	375	NR
10:50	7.70	0.03	20.1	0.80	22680	1.60	-329.5	5.3	0.75	1.33	0.1	> 1 NTU	12375	375	NR
10:55	7.73	0.03	19.9	0.75	23343	2.84	-334.6	5.1	0.76	1.32	0.4	> 1 NTU	14250	375	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/08/1999
WEATHER: Sunny, breezy, clear, 70+ deg F
MONITORING WELL NO.: WC-4S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:47	6.49	NA	22.04	NA	834	NA	-50.4	NA	0.79	NA	8.5	NA	NA	NA	2.4
8:52	6.52	0.03	22.24	0.90	852	2.11	-54.4	4.0	0.69	14.49	6.2	37.10	2250	450	2.4
8:55	6.53	0.01	22.20	0.18	864	1.39	-56.0	1.6	0.65	6.15	4.2	47.62	3600	450	2.4
8:58	6.54	0.01	22.28	0.36	877	1.48	-57.7	1.7	0.64	1.56	2.2	90.91	4950	450	2.45
9:01	6.55	0.01	22.28	0	890	1.46	-58.5	0.8	0.59	8.47	2.2	0	6300	450	2.44
9:04	6.56	0.01	22.45	0.76	899	1.00	-60.0	1.5	0.57	3.51	0.8	> 1 NTU	7650	450	2.44
9:09	6.57	0.01	22.36	0.40	911	1.32	-61.2	1.2	0.58	1.72	0.5	> 1 NTU	9900	450	2.47
9:12	6.57	0	22.38	0.09	916	0.55	-61.2	0	0.54	7.41	0.6	> 1 NTU	11250	450	2.47
9:15	6.57	0	22.35	0.13	921	0.54	-61.5	0.3	0.53	1.89	0.9	> 1 NTU	12600	450	2.49

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/8/1999
WEATHER: Windy, clear to partly cloudy, 70+ deg F
MONITORING WELL NO.: WC-5S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:31	6.42	NA	19.27	NA	1950	NA	-91.2	NA	0.86	NA	36.1	NA	NA	NA	3.41
10:34	6.42	0	19.33	0.31	1997	2.35	-93.3	2.1	0.79	8.86	24.9	44.98	1230	410	3.49
10:37	6.43	0.01	19.27	0.31	2049	2.54	-96.7	3.4	0.73	8.22	34.1	26.98	2460	410	3.54
10:40	6.43	0	19.05	1.15	2078	1.40	-98.3	1.6	0.71	2.82	25.0	36.40	3690	410	3.54
10:43	6.44	0.01	18.88	0.90	2096	0.86	-99.9	1.6	0.69	2.90	26.3	4.94	4920	410	3.57
10:46	6.44	0	18.67	1.12	2088	0.38	-100.9	1.0	0.72	4.17	14.3	83.92	6150	410	3.57
10:50	6.45	0.01	18.68	0.05	2065	1.11	-103.4	2.5	0.68	5.88	9.6	48.96	7790	410	3.59
10:54	6.45	0	18.90	1.16	2017	2.38	-105.2	1.8	0.63	7.94	9.1	5.49	9430	410	3.59
10:57	6.46	0.01	19.00	0.53	1999	0.90	-106.0	0.8	0.66	4.55	9.1	0	10660	410	3.60
11:01	6.46	0	18.80	1.06	1961	1.94	-107.5	1.5	0.67	1.49	9.0	1.11	12300	410	3.60

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/1999
WEATHER: Misty, humid, 75 deg
MONITORING WELL NO.: WC-9D2

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Bertolotti

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
9:42	6.68	NA	16.65	NA	30710	NA	-113.2	NA	1.01	NA	5.5	NA	NA	NA	5.69
9:47	6.8	0.12	16.41	1.46	30713	0.01	-117.2	4.0	0.66	53.03	5.5	0	2500	500	5.7
9:55	6.84	0.04	16.44	0.18	30711	0.01	-118.8	1.6	0.49	34.69	4.7	17.02	6500	500	5.7
9:59	6.85	0.01	16.29	0.92	30731	0.07	-118.9	0.1	0.44	11.36	5.7	17.54	8500	500	5.7
10:03	6.86	0.01	16.29	0	30719	0.04	-121.6	2.7	0.43	2.33	5	14.00	10500	500	5.71
10:08	6.87	0.01	16.39	0.61	30722	0.01	-121.1	0.5	0.41	4.88	4.9	2.04	13000	500	5.71
10:12	6.88	0.01	16.17	1.36	30742	0.07	-122.4	1.3	0.4	2.50	4.6	6.52	15000	500	5.71
10:18	6.88	0	16.25	0.49	30739	0.01	-123.6	1.2	0.39	2.56	4.9	6.12	18000	500	5.71
10:22	6.89	0.01	16.26	0.06	30750	0.04	-124.3	0.7	0.38	2.63	4.7	4.26	20000	500	5.71

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 06/30/1999
WEATHER: Overcast, breezy, 75°F
MONITORING WELL NO.: WC-9S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, E. Hastings

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
16:18	6.28	NA	19.28	NA	407	NA	161.9	NA	2.44	NA	3.1	NA	NA	NA	NR
16:23	6.26	0.02	18.80	2.55	426	4.46	160.2	1.7	1.96	24.49	1.1	181.82	2500	500	NR
16:28	6.26	0	18.68	0.64	426	0	158.8	1.4	2.30	14.78	0.7	57.14	5000	500	NR
16:33	6.25	0.01	18.59	0.48	424	0.47	158.5	0.3	1.12	105.36	0.8	NA	7500	500	NR
16:38	6.25	0	18.54	0.27	421	0.71	156.0	2.5	1.68	33.33	0.4	NA	10000	500	NR
16:43	6.25	0	18.53	0.05	420	0.24	155.0	1	1.33	26.32	3	NA	12500	500	NR
16:48	6.24	0.01	18.45	0.43	419	0.24	154.1	0.9	1.50	11.33	0.4	NA	15000	500	NR
16:53	6.24	0	18.50	0.27	417	0.48	152.7	1.4	2.32	35.34	0.3	NA	17500	500	NR
16:58	6.24	0	18.50	0	417	0	151.3	1.4	1.20	93.33	0.3	NA	20000	500	NR
17:02	6.24	0	18.53	0.16	416	0.24	150.0	1.3	0.85	41.18	0.3	NA	22000	500	NR
17:05	6.22	0.02	18.55	0.11	416	0	149.7	0.3	0.77	10.39	0.2	NA	23500	500	NR
17:07	6.23	0.01	18.55	0	416	0	149.2	0.5	0.74	4.05	0.2	NA	24500	500	NR
17:11	6.23	0	18.57	0.11	416	0	148.8	0.4	0.71	4.23	0.2	NA	26500	500	NR
NR	6.23	0	18.51	0.32	415	0.24	148.5	0.3	0.67	5.97	0.3	NA	NR	500	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) NA - Not Available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/07/99
WEATHER: Sunny, Low 90's °F.
MONITORING WELL NO.: WC-10S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
14:25	6.98	NA	23.00	NA	649	NA	128.5	NA	3.95	NA	8.5	NA	NA	NA	4.72
14:30	6.99	0.01	23.08	0.3	647	0.3	127.9	0.6	3.70	6.8	1.3	553.8	2500	500	4.72
14:33	6.97	0.02	22.99	0.4	641	0.9	126.9	1.0	3.30	12.1	0.4	< 1 NTU	4625	425	4.72
14:36	6.95	0.02	23.00	0.0	638	0.5	126.5	0.4	3.21	2.8	0.4	< 1 NTU	5900	425	4.72
14:39	6.93	0.02	22.98	0.1	635	0.5	126.2	0.3	3.07	4.6	-2.0	< 1 NTU	7175	425	4.73
14:42	6.92	0.01	22.91	0.3	633	0.3	125.5	0.7	3.00	2.3	-2.8	< 1 NTU	8450	425	4.73
14:45	6.92	0.00	22.95	0.2	632	0.2	125.1	0.4	3.08	2.6	-3.0	< 1 NTU	9725	425	4.73

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^-, Sulfide, TOC, NH^+_4, ALK/BOD/Anions, DOC, Dissolved Metals, COD, Dissolved Gases @ 1500hrs.
5) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/8/1999
WEATHER: Breezy, 80+ deg F
MONITORING WELL NO.: WC-12S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:12	6.61	NA	23.36	NA	546	NA	208.9	NA	3.77	NA	-0.7	NA	NA	NA	NR
12:15	6.61	0	23.33	0.13	546	0	213.5	4.6	3.61	4.43	0	NA	1125	375	NR
12:18	6.61	0	23.48	0.64	546	0	216.8	3.3	3.52	2.56	0	NA	2295	390	NR
12:21	6.61	0	23.12	1.56	546	0	219.8	3.0	3.44	2.33	0	NA	3465	390	NR

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/13/99
WEATHER: Partly Cloudy, High 60's to Low 70's °F.
MONITORING WELL NO.: WC-14S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
11:40	6.96	NA	19.31	NA	143	NA	193.9	NA	3.97	NA	7.3	NA	NA	NA	NR
11:45	6.88	0.08	19.20	0.57	143	0.00	144.2	49.7	3.58	10.89	3.9	87.18	2500	500	NR
11:50	6.73	0.15	18.99	1.11	144	0.69	150.4	6.2	3.43	4.37	0.9	333.33	5000	500	NR
11:55	6.67	0.06	19.00	0.05	159	9.43	153.2	2.8	3.15	8.89	0.9	0.00	7500	500	NR
12:00	6.65	0.02	18.85	0.80	183	13.11	152.0	1.2	3.06	2.94	1.0	10.00	10000	500	NR
12:05	6.64	0.01	18.99	0.74	230	20.43	110.1	41.9	3.02	1.32	1.2	16.67	12500	500	NR
12:10	6.63	0.01	18.80	1.01	282	18.44	62.7	47.4	2.97	1.68	1.2	0.00	15000	500	NR
12:15	6.65	0.02	18.85	0.27	317	11.04	39.4	23.3	2.92	1.71	1.1	9.09	17500	500	NR
12:20	6.66	0.01	18.72	0.69	351	9.69	20.4	19	2.89	1.04	1.1	0.00	20000	500	NR
12:25	6.68	0.02	18.81	0.48	370	5.14	9.5	10.9	2.81	2.85	1.0	10.00	22500	500	NR
12:30	6.69	0.01	18.92	0.58	376	1.60	6.4	3.1	2.78	1.08	1.0	0.00	25000	500	NR
12:35	6.7	0.01	18.95	0.16	380	1.05	4.8	1.6	2.74	1.46	0.9	> 1 NTU	27500	500	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC, SVOC, PCB, Metals, CN^-, Cl^- and QA Sample @1245 hrs.
4) Pump Screen was set 7.5 feet below top of riser.
5) NR - Not Recorded; the pump apparatus blocked water level measurements
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 06/30/1999
WEATHER: Overcast, slightly breezy, 81 deg
MONITORING WELL NO.: WC-19D1

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, E. Hastings

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.97
9:45	5.93	NA	16.25	NA	4478	NA	100.3	NA	2.1	NA	120.9	NA	2925	325	413
9:48	6.00	0.07	17.01	4.46796	4929	9.15	83.1	17.2	1.65	27.27	133.7	9.5736724	3750	275	4.1
9:53	5.99	0.01	17.31	1.7331023	5216	5.50	76.3	6.8	1.16	42.24	207	35.410628	5125	275	4.11
9:58	6.00	0.01	17.23	0.4643064	5279	1.19	72.7	3.6	0.9	28.89	130	59.230769	6500	275	4.08
10:03	6.00	0	17.05	1.0557185	5304	0.47	68.3	4.4	0.76	18.42	156	16.666667	7875	275	4.08
10:08	6.02	0.02	17.07	0.1171646	5306	0.04	64.1	4.2	0.85	10.59	169	7.6923077	9250	275	4.08
10:13	6.01	0.01	17.04	0.1760563	5304	0.04	62.7	1.4	0.66	28.79	265	36.226415	10625	275	4.08
10:18	6.01	0	16.97	0.4124926	5924	10.47	61.1	1.6	0.72	8.33	260	1.9230769	12000	275	4.08
10:25	6.03	0.02	17.24	1.5661253	5298	11.82	59.2	1.9	0.75	4.00	254	2.3622047	13925	275	4.08
10:29	Purged stopped to clean cell silt out of flow through cell.														
10:35	6.11	NA	17.21	NA	5720	NA	86.4	NA	4.24	NA	264	NA	15575	275	4.08
10:40	6.04	0.07	17.21	0	5668	0.92	79.2	7.2	0.97	337.11	235	12.34	16950	275	4.08
10:45	6.03	0.01	16.73	2.8690974	5826	2.71	74.4	4.8	0.84	15.48	284	17.25	18325	275	4.08
10:50	6.02	0.01	16.95	1.2979351	5837	0.19	71.3	3.1	0.75	12.00	288	1.39	19700	275	4.08
10:55	6.03	0.01	16.89	0.3552398	5854	0.29	68.5	2.8	0.71	5.63	284	1.41	21075	275	4.08
11:00	6.03	0	16.63	1.5634396	5813	0.71	66.5	2.0	0.73	2.74	277	2.53	22450	275	4.08
11:05	6.03	0	16.61	0.1204094	5795	0.31	64.6	1.9	0.75	2.67	270	2.59	23825	275	4.08

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 06/29/1999
WEATHER: Sunny, humid, 80 deg
MONITORING WELL NO.: WC-19S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, E. Hastings, B. Bertolotti

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
14:40	5.77	NA	18.75	NA	510	NA	163.4	NA	0.89	NA	16.4	NA	NA	NA	4.38
14:45	5.73	0.04	18.66	0.48	552	7.61	166.4	3.0	0.76	17.11	8.6	90.70	2500	500	4.38
14:53	5.79	0.06	19.83	5.90	540	2.22	163.7	2.7	0.7	8.57	4.1	109.7561	6500	500	4.38
14:55	5.77	0.02	19.82	0.05	534	1.12	164.9	1.2	0.69	1.45	4.6	10.87	7500	500	4.36
15:00	5.77	0	19.95	0.65	542	1.48	163.2	1.7	0.71	2.82	9.2	50	10000	500	4.35
15:06	5.75	0.02	19.82	0.66	540	0.37	166.7	3.5	0.65	9.23	1.0	820	13000	500	4.36
15:10	5.80	0.05	19.86	0.20	537	0.56	165.4	1.3	0.67	2.99	1.0	0	15000	500	4.36
15:15	5.75	0.05	19.70	0.81	535	0.37	168.1	2.7	0.64	4.69	0.7	NA	17500	500	4.36
15:20	5.76	0.01	19.58	0.61	534	0.19	168.9	0.8	0.62	3.23	0.6	NA	20000	500	4.36

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/02/1999
WEATHER: Slightly overcast, windy 70 deg
MONITORING WELL NO.: WC1-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, E. Hastings

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:44	5.94	NA	20.2	NA	617	NA	77.5	NA	1.12	NA	0.6	NA	NA	NA	NR
8:47	5.94	0	20.17	0.15	637	3.14	76.9	0.6	1.09	2.75	0.5	> 1 NTU	900	300	NR
8:50	5.95	0.01	20.2	0.15	657	3.04	76.8	0.1	1.05	3.81	0.5	> 1 NTU	1800	300	NR
8:54	5.96	0.01	20.27	0.35	670	1.94	76.4	0.4	1.05	0	0.3	> 1 NTU	3000	300	NR
8:57	5.96	0	20.16	0.55	678	1.18	76.8	0.4	1.03	1.94	0.3	> 1 NTU	3900	300	NR
9:00	5.96	0	20.07	0.45	682	0.59	76.8	0	1.02	0.98	0.2	> 1 NTU	4800	300	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) Water elevation could not be measured due to the pump being above the water table.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/6/1999
WEATHER: Breezy, clear, humid, 90+ deg F
MONITORING WELL NO.: WC2-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:27	6.69	NA	19.51	NA	35583	NA	-66.4	NA	2.34	NA	30.8	NA	NA	NA	4.95
11:32	6.70	0.01	19.61	0.51	35612	0.08	-66.8	0.4	2.29	2.18	35.6	13.48	1250	250	4.95
11:36	6.71	0.01	19.64	0.15	35660	0.13	-66.8	0	2.34	2.14	41.7	14.63	2250	250	4.98
11:40	6.71	0	19.53	0.56	35697	0.10	-97.2	30.4	2.45	4.49	100.7	58.59	3350	275	4.97
11:45	6.72	0.01	19.81	1.41	35663	0.10	-69	28.2	2.54	3.54	158.0	36.27	4600	250	4.95
11:50	6.72	0	19.7	0.56	35667	0.01	-69.7	0.7	2.46	3.25	186.2	15.15	5850	250	4.95
11:54	6.73	0.01	19.7	0	35764	0.27	-69.8	0.1	2.39	2.93	170.4	9.27	6850	250	4.95
11:59	6.73	0	19.53	0.87	35754	0.03	-69.3	0.5	2.55	6.27	155.9	9.30	8100	250	4.95
12:04	6.73	0	19.72	0.96	35644	0.31	-68.5	0.8	2.76	7.61	126.0	23.73	9350	250	4.95
12:09	6.75	0.02	20.45	3.57	STOP PURGE[4]										
12:18	6.74	0.01	20.13	NA	35568	NA	-67.7	NA	2.46	NA	35.6	NA	10600	260	4.95
12:21	6.73	0.01	20.17	0.20	35611	0.12	-66.8	0.9	2.67	7.87	25.0	42.40	11380	260	4.95
12:25	6.77	0.04	20.29	0.59	35556	0.15	-67.2	0.4	2.53	5.53	21.5	16.28	12420	260	4.95
12:28	6.74	0.03	20.16	0.64	35547	0.03	-66.2	1.0	2.52	0.40	22.7	5.29	13200	260	4.95
12:31	6.76	0.02	19.9	1.31	35699	0.43	-65.4	0.8	2.61	3.45	18.5	22.70	13980	260	4.95
12:34	6.77	0.01	20.11	1.04	35569	0.37	-64.5	0.9	2.82	7.45	15.9	16.35	14760	260	4.95
12:37	6.76	0.01	20.16	0.25	35629	0.17	-64.2	0.3	2.76	2.17	15.1	5.30	15540	260	4.95
12:40	6.76	0	20.01	0.75	35601	0.08	-63.7	0.5	2.57	7.39	14.2	6.34	16320	260	4.95
12:44	6.76	0	20.25	1.19	35558	0.12	-63.8	0.1	2.50	2.80	14.1	0.71	17360	260	4.95

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available
4) During purge water dumping, a twist occurred in the rubber hose attached to the YSI unit. This increased internal pressure in the flow through cell causing the seals and an allen screw to blow out. The flow through cell was disconnected and fixed in the field.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/02/99
WEATHER: Overcast; High 70's °F
MONITORING WELL NO.: WC2-1I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
09:46	6.42	NA	18.71	NA	13277	NA	-48.9	NA	25.80	NA	95.3	NA	NA	NA	5.05
09:50	6.42	0.00	18.49	1.19	14458	8.17	-55.6	6.7	22.22	16.1	92.1	3.5		150	5.11
10:00	6.36	0.06	17.01	8.70	16133	10.38	-51.9	3.7	21.78	2.0	73.1	26.0		125	5.11
10:05	6.30	0.06	15.62	8.90	21147	23.71	-48.0	3.9	19.53	11.5	54	35.4		425	5.31
10:10	6.34	0.04	15.53	0.58	22415	5.66	-52.9	4.9	18.96	3.0	103.1	47.6		425	5.26
10:20	6.37	0.03	15.96	2.69	22818	1.77	-41.1	11.8	18.99	0.2	156.8	34.2		425	5.10
10:27	6.37	0.00	16.76	4.77	22824	0.03	-44.9	3.8	19.11	0.6	153.6	2.1		250	5.10
10:35	6.37	0.00	16.84	0.48	22659	0.73	-45.6	0.7	19.22	0.6	138.1	11.2		250	5.00
10:40	6.37	0.00	16.90	0.36	22689	0.13	-45.7	0.1	19.32	0.5	137.1	0.7		250	5.00
10:43	6.37	0.00	16.79	0.66	22705	0.07	-45.5	0.2	19.39	0.4	130.7	4.9	20000	225	4.91

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Started pump at 1035 hrs.
3) Sampled for VOC's, SVOC's, PCB's, Metals, and CN^- @ 1200hrs.
4) NR - Not Recorded; the pump apparatus blocked water level measurements.
5) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/07/99
WEATHER: Sunny, Low 80's °F
MONITORING WELL NO.: WC2-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
09:30	6.57	NA	21.2	NA	585	NA	-44.5	NA	1.58	NA	288.6	NA	NA	NA	NR
09:35	6.33	0.24	18.03	17.58	567	3.17	-58.6	14.1	1.01	56.44	115.2	150.5	375	375	NR
09:40	6.22	0.11	18.09	0.33	546	3.85	-62.0	3.4	1.59	36.48	11.0	947.3	1725	275	NR
09:45	6.12	0.10	18.13	0.22	541	0.92	-64.0	2	1.81	12.15	2.6	323.1	1325	275	NR
09:48	6.17	0.05	18.09	0.22	539	0.37	-64.4	0.4	1.87	3.21	0.8	< 1 NTU	3925	275	NR
09:51	6.17	0.00	18.11	0.11	538	0.19	-65.5	1.1	1.83	2.19	0.1	< 1 NTU	4750	275	NR
09:55	6.16	0.01	18.06	0.28	532	1.13	-63.7	1.8	1.95	6.15	0.1	< 1 NTU	5850	275	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- and a QA sample @ 1015hrs.
4) NR - Not Recorded; the pump apparatus blocked water level measurements.
5) Pump was set to 7 feet below top of riser.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/08/99
WEATHER: Sunny, Low 80's °F
MONITORING WELL NO.: WC2-2D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
09:40	6.48	NA	26.49	NA	16113	NA	-24.5	NA	3.40	NA	57.2	NA	NA	NA	5.70
09:43	6.57	0.09	23.17	14.3	28400	43.3	-88.3	63.8	2.08	63.5	46.3	23.5	675	225	5.76
09:46	6.69	0.12	21.95	5.6	31281	9.2	-107.0	18.7	1.91	8.9	47.6	2.7	1650	325	5.78
09:50	6.76	0.07	20.65	6.3	31743	1.5	-111.8	4.8	1.93	1.0	28.0	70.0	3250	400	5.84
09:55	6.79	0.03	20.64	0.0	32224	1.5	-110.2	1.6	2.11	8.5	26.8	4.5	5250	400	5.81
09:58	6.79	0.00	20.57	0.3	32347	0.4	-108.1	2.1	2.16	2.3	27.9	3.9	6450	400	5.85
10:01	6.8	0.01	20.4	0.8	32446	0.3	-107.7	0.4	2.30	6.1	27.3	2.2	7650	400	5.85
10:04	6.81	0.01	20.5	0.5	32513	0.2	-109.6	1.9	2.48	7.3	26.1	4.6	8850	400	5.87
10:07	6.81	0.00	20.49	0.0	32575	0.2	-108.6	1.0	2.59	4.2	28.4	8.1	10050	400	5.87
10:10	6.82	0.01	20.55	0.3	32646	0.2	-109.2	0.6	2.97	12.8	25.9	9.7	11250	400	5.90
10:13	6.82	0.00	20.44	0.5	32674	0.1	-108.7	0.5	3.09	3.9	24.4	6.1	12450	400	5.90
10:16	6.83	0.01	20.49	0.2	32696	0.1	-107.9	0.8	3.19	3.1	17.4	40.2	13650	400	5.90
10:19	6.83	0.00	20.48	0.0	32712	0.0	-109.9	2.0	3.40	6.2	14.9	16.8	14850	400	5.90
10:22	6.83	0.00	20.59	0.5	32732	0.1	-111.1	1.2	3.58	5.0	16.1	7.5	16050	400	5.90
10:25	6.84	0.01	20.61	0.1	32760	0.1	-112.3	1.2	3.93	8.9	14.9	8.1	17250	400	5.90
10:28	6.84	0.00	20.48	0.6	32790	0.1	-112.9	0.6	3.85	2.1	15.1	1.3	18450	400	5.90

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Started pumping @ 0935hrs.
4) Pump screen was set to 56.5' below top of riser.
5) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^-, Sulfide, TOC, NH^+_4, ALK/BOD/Anions, DOC, Dissolved Metals, COD, Dissolved Gases @ 1045hrs.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/08/99
WEATHER: Sunny - Low 80's °F
MONITORING WELL NO.: WC2-2I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
12:10	7.31	NA	20.32	NA	6328	NA	113.0	NA	9.67	NA	760.1	NA	NA	NA	5.47
12:13	6.95	0.36	16.74	21.4	9048	30.1	-8.9	121.9	7.15	35.24	226.1	236.2	1050	350	5.45
12:16	6.80	0.15	16.23	3.1	9869	8.3	-28.3	19.4	7.15	0.00	194.1	16.5	2100	350	5.47
12:20	6.76	0.04	16.24	0.1	10202	3.3	-32.4	4.1	7.02	1.85	215.3	9.8	3500	350	5.47
12:23	6.73	0.03	16.10	0.9	10538	3.2	-34.0	1.6	7.28	3.57	207.8	3.6	4550	350	5.47
12:26	6.70	0.03	15.99	0.7	10830	2.7	-33.0	1.0	6.81	6.90	161.8	28.4	5600	350	5.47
12:29	6.69	0.01	15.99	0.0	10983	1.4	-32.6	0.4	6.80	0.15	156.5	3.4	6650	350	5.47
12:32	6.69	0.00	16.01	0.1	11076	0.8	-32.3	0.3	6.86	0.87	137.1	14.2	7700	350	5.47
12:35	6.68	0.01	15.97	0.3	11113	0.3	-32.3	0.0	6.93	1.01	137.7	0.4	8750	350	5.45
12:38	6.68	0.00	15.93	0.3	11140	0.2	-32.2	0.1	6.68	3.74	129.6	6.3	9800	350	5.47

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Started pumping @ 1210hrs.
4) Pump was set @ 45' below top of riser.
5) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^-, Sulfide, TOC, NH^+_4, ALK/BOD/Anions, DOC, Dissolved Metals, COD, Dissolved Gases @ 1245hrs.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/07/1999
WEATHER: Breezy, clear, 70+ deg F
MONITORING WELL NO.: WC2-3D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:54	6.42	NA	17.37	NA	19425	NA	54.1	NA	4.06	NA	11.0	NA	NA	NA	5.5
8:57	6.45	0.03	17.37	0	19398	0.14	50.5	3.6	4.26	4.69	6.6	66.67	1350	450	5.5
9:00	6.47	0.02	17.27	0.58	19365	0.17	49.3	1.2	4.91	13.24	5.0	32.0	2700	450	5.5
9:03	6.48	0.01	17.27	0	19398	0.17	47.9	1.4	4.56	7.68	3.2	56.25	4050	450	5.5
9:06	6.49	0.01	17.23	0.23	19367	0.16	47.3	0.6	4.69	2.77	2.5	28.0	5400	450	5.5
9:09	6.5	0.01	17.20	0.17	19380	0.07	46.6	0.7	4.44	5.63	2.4	4.17	6750	450	5.5
9:12	6.51	0.01	17.22	0.12	19379	0.01	46.2	0.4	4.65	4.52	2.4	0	8100	450	5.5
9:15	6.51	0	17.18	0.23	19379	0	46.1	0.1	4.91	5.30	2.5	4.0	9450	450	5.5

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/9/1999
WEATHER: Overcast, breezy, 70+ deg F, started to rain
MONITORING WELL NO.: WC2-3I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:06	6.4	NA	16.39	NA	10405	NA	8.0	NA	4.6	NA	34	NA	NA	NA	4.05
11:09	6.39	0.01	16.31	0.49	10745	3.16	8.5	0.5	6.27	26.63	30.9	10.03	1200	400	4.05
11:12	6.37	0.02	16.25	0.37	11077	3.00	10.5	2	3.77	66.31	38.8	20.36	2415	405	4.05
11:16	6.36	0.01	16.09	0.99	11210	1.19	12.5	2	4.01	5.99	43.8	11.42	4035	405	4.05
11:19	6.36	0	16.06	0.19	11355	1.28	13.9	1.4	4.59	12.64	46.5	5.81	5250	405	4.05
11:23	6.36	0	16.05	0.06	11429	0.65	14.9	1	5.30	13.40	48.1	3.33	6870	405	4.05
11:26	6.36	0	16.01	0.25	11530	0.88	16.0	1.1	4.74	11.81	48.7	1.23	8085	405	4.10
11:29	6.36	0	16.00	0.06	11578	0.41	17.2	1.2	4.45	6.52	49.5	1.62	9300	405	4.10
11:32	6.36	0	15.99	0.06	11678	0.86	18.0	0.8	3.99	11.53	50.4	1.79	10515	405	4.10
11:35	6.36	0	15.99	0	11622	0.48	18.4	0.4	4.02	0.75	50.2	0.40	11730	405	4.10
11:40	6.36	0	15.98	0.06	11726	0.89	19.1	0.7	4.18	3.83	44.6	12.56	13755	405	4.10
11:43	6.36	0	15.87	0.69	11757	0.26	19.2	0.1	4.11	1.70	44.1	1.13	14970	405	4.10
11:46	6.36	0	15.84	0.19	11779	0.19	19.2	0	4.05	1.48	44.1	0	16185	405	4.10
11:49	6.36	0	15.85	0.06	11831	0.44	19.0	0.2	4.13	1.94	43.2	2.08	17400	405	4.10

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/13/1999
WEATHER: Cloudy, Windy, 70 deg F
MONITORING WELL NO.: WC2-3I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, M. McGill

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:12	6.29	NA	16.67	NA	12036	NA	61.6	NA	30.2	NA	77.00	NA	NA	NA	4.21
8:17	6.37	0.08	16.43	1.46	12242	1.68	56.5	5.1	3.52	757.95	47.90	60.75	1625	325	4.21
8:31	6.33	0.04	16.27	0.98	12375	1.07	47.3	9.2	1.33	164.66	28.80	66.32	7785	440	4.16
8:35	6.33	0	16.14	0.81	12365	0.08	45.4	1.9	1.46	8.90	21.60	33.33	9585	450	4.15
8:39	6.33	0	16.12	0.12	12347	0.15	43.6	1.8	2.5	41.60	20.00	8.00	11385	450	4.15
8:44	6.34	0.01	16.1	0.12	12327	0.16	41.7	1.9	1.45	72.41	18.10	10.50	13635	450	4.11
9:49	6.35	0.01	16.2	0.62	12300	0.22	40.4	1.3	1.66	12.65	16.70	8.38	42885	450	4.11
8:53	6.35	0	16.32	0.74	12286	0.11	39.7	0.7	1.56	6.41	16.40	1.83	17685	450	4.11
8:57	6.36	0.01	16.41	0.55	12295	0.07	39.9	0.2	1.54	1.30	15.00	9.33	19485	450	4.07

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are with EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/9/1999
WEATHER: Partly cloudy, calm, 70+ deg F
MONITORING WELL NO.: WC2-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:47	6.67	NA	20.19	NA	14591	NA	-185.8	NA	2.99	NA	3.1	NA	NA	NA	NR
8:51	6.69	0.02	20.14	0.25	14678	0.59	-196.8	11.0	3.45	13.33	2.0	55.0	1300	325	NR
8:54	6.71	0.02	20.02	0.60	14703	0.17	-214.3	17.5	3.47	0.58	1.6	25.0	2275	325	NR
8:57	6.73	0.02	19.93	0.45	14658	0.31	-229.0	14.7	3.22	7.76	1.4	14.3	3250	325	NR
9:00	6.74	0.01	19.85	0.40	14582	0.52	-244.0	15.0	4.86	33.74	1.0	40.0	4225	325	NR
9:05	6.74	0	19.8	0.25	14532	0.34	-258.1	14.1	7.09	31.45	0.8	NA	5850	325	NR
9:08	6.74	0	19.94	0.70	14466	0.46	-264.6	6.5	7.00	1.29	0.7	NA	6825	325	NR
9:11	6.75	0.01	20.09	0.75	14444	0.15	-271.4	6.8	8.21	14.74	0.6	NA	7800	325	NR
9:14	6.75	0	20.02	0.35	14410	0.24	-277.4	6.0	11.76	30.19	0.7	NA	8775	325	NR
9:17	6.75	0	19.97	0.25	14368	0.29	-280.8	3.4	12.61	6.74	0.6	NA	9750	325	NR
9:20	6.75	0	19.93	0.20	14366	0.01	-284.2	3.4	17.61	28.39	0.6	NA	10725	325	NR
9:24	6.74	0.01	20.16	1.14	14300	0.46	-287.5	3.3	17.71	0.56	0.6	NA	12025	325	NR
9:27	6.74	0	20.25	0.44	14303	0.02	-289.1	1.6	17.15	3.27	0.6	NA	13000	325	NR
9:30	6.74	0	20.29	0.20	14319	0.11	-291.2	2.1	16.38	4.70	0.6	NA	13975	325	NR

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/13/1999
WEATHER: Sunny, Breezy, 70+ deg F
MONITORING WELL NO.: WC2-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, M. McGill

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:14	6.57	NA	19.65	NA	15222	NA	-123.5	NA	4.93	NA	2.20	NA	NA	NA	NR
11:19	6.57	0	19.55	0.51	15539	2.04	-147.5	24.0	9.90	50.20	1.30	69.23	1875	375	NR
11:24	6.58	0.01	19.53	0.10	15699	1.02	-158.6	11.1	5.16	91.86	0.90	44.44	3750	375	NR
11:28	6.61	0.03	19.56	0.15	15849	0.95	-170.9	12.3	5.77	10.57	0.60	> 1 NTU	5250	375	NR
11:32	6.62	0.01	19.55	0.05	15896	0.30	-183.7	12.8	6.19	6.79	0.40	> 1 NTU	6750	375	NR
11:36	6.64	0.02	19.58	0.15	15718	1.13	-195.3	11.6	6.42	3.58	0.30	> 1 NTU	8250	375	NR
11:40	6.64	0	19.59	0.05	15941	1.40	-203.7	8.4	6.97	7.89	0.20	> 1 NTU	9750	375	NR
11:44	6.64	0	19.56	0.15	15773	1.07	-216.6	12.9	7.22	3.46	0.10	> 1 NTU	11250	375	NR
11:47	6.64	0	19.60	0.20	15817	0.28	-220.3	3.7	7.78	7.20	0.10	> 1 NTU	12375	375	NR
11:50	6.64	0	19.52	0.41	15703	0.73	-227.7	7.4	7.67	1.43	0.10	> 1 NTU	13500	375	NR
11:53	6.64	0	19.52	0.00	15702	0.01	-234.3	6.6	8.11	5.43	0.10	> 1 NTU	14625	375	NR

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are with EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/13/99
WEATHER: Partly Cloudy, High 60's to Low 70's °F.
MONITORING WELL NO.: WC2-4S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:12	7.11	NA	22.49	NA	196	NA	161.5	NA	6.06	NA	3.7	NA	NA	NA	NR
10:17	7.04	0.07	20.67	8.81	213	7.98	155.5	6	4.31	40.60	0.7	< 1 NTU	2250	450	NR
10:22	6.99	0.05	20.67	0.00	219	2.74	151.0	4.5	3.70	16.49	0.5	< 1 NTU	4500	450	NR
10:27	6.96	0.03	20.69	0.10	223	1.79	142.2	8.8	3.51	5.41	0.4	< 1 NTU	6750	450	NR
10:32	6.95	0.01	20.70	0.05	225	0.89	111.1	31.1	3.40	3.24	0.3	< 1 NTU	9000	450	NR
10:37	6.95	0.00	20.86	0.77	228	1.32	73.8	37.3	3.21	5.92	0.3	< 1 NTU	11250	450	NR
10:40	6.94	0.01	20.89	0.14	229	0.44	66.7	7.1	3.15	1.90	0.3	< 1 NTU	12600	450	NR
10:43	6.95	0.01	20.91	0.10	230	0.43	60.1	6.6	3.10	1.61	0.4	< 1 NTU	13950	450	NR
10:46	6.94	0.01	21.02	0.52	230	0.00	58.0	2.1	2.98	4.03	0.3	< 1 NTU	15300	450	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Pump screen of pump was set @ 8.0' below top of riser.
4) NR - Not Recorded; the pump apparatus blocked water level measurements.
5) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- @ 0925hrs.
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 06/30/99
WEATHER: Overcast, mid 70's °F.
MONITORING WELL NO.: WC5-2I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
15:40	5.99	NA	15.99	NA	1476	NA	180.7	NA	0.89	NA	2.7	NA	NA	NA	5.05
15:44	5.91	0.08	15.75	1.52	1501	1.67	184.0	3.3	0.68	30.88	189.0	98.6	2100	525	5.05
15:49	5.94	0.03	15.37	2.47	1502	0.07	183.5	0.5	0.61	11.48	161.0	17.4	4350	450	5.05
15:54	5.94	0	15.31	0.39	1508	0.40	183.5	0.0	0.48	27.08	135.6	18.7	6475	425	5.05
15:59	5.94	0	15.33	0.13	1510	0.13	185.4	1.9	0.45	6.67	120.5	12.5	8725	450	5.04
16:04	5.94	0	15.18	0.99	1517	0.46	187.1	1.7	0.43	4.65	94.3	27.8	10975	450	5.04
16:09	5.95	0.01	15.13	0.33	1518	0.07	188.1	1.0	0.43	0.00	80.3	17.4	13475	500	5.04
16:15	6.04	0.09	x	x	Started cleaning flow-through cell						64.1	25.3	NA	NR	NR
16:30	6.2	0.16	x 33.33	NA	1116	NA	164.4	NA	1.23	NA	2.5	2464.0	20975	500	5.06
16:35	6.14	0.06	x 36.02	7.47	1065	4.79	181.7	17.3	0.96	28.13	1.7	47.1	23475	500	5.05
16:43	6.15	0.01	x 36.01	0.03	1074	0.84	187.7	6.0	0.86	11.63	1.6	6.2	27475	500	5.05
16:46	6.15	0	x 34.50	4.38	1054	1.90	189.0	1.3	0.85	1.18	1.0	60.0	28975	500	5.05
16:50	6.15	0	x 34.29	0.61	1079	2.32	190.2	1.2	0.80	6.25	1.0	0.0	30975	500	5.05

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- @ 1700hrs.
4) x - means that YSI unit's temperature sensor is malfunctioning.
5) NR - Not Recorded
6) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/13/99
WEATHER: Partly Cloudy, High 60's °F
MONITORING WELL NO.: WC2-5S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
08:03	6.58	NA	21.22	NA	252	NA	197.0	NA	8.32	NA	8.0	NA	NA	NA	NR
08:06	6.92	0.34	19.13	10.93	249	1.20	194.1	2.90	5.91	40.78	1.3	515.38	1050	350	NR
08:09	6.37	0.55	18.88	1.32	287	13.24	189.3	4.80	5.05	17.03	-0.3	533.33	2100	350	NR
08:14	6.31	0.06	18.71	0.91	380	24.47	182.4	6.90	4.51	11.97	-0.4	25.00	3850	350	NR
08:19	6.29	0.02	18.58	0.70	440	13.64	178.1	4.30	4.29	5.13	-0.5	20.00	5600	350	NR
08:24	6.28	0.01	18.55	0.16	472	6.78	176.2	1.90	4.29	0.00	-0.5	0.00	7350	350	NR
08:29	6.28	0	18.48	0.38	499	5.41	176.0	0.20	4.22	1.66	-0.5	0.00	9100	350	NR
08:34	6.28	0	18.45	0.16	513	2.73	176.3	0.30	4.16	1.44	-0.5	0.00	10850	350	NR
08:39	6.28	0	18.42	0.16	525	2.29	176.5	0.20	4.08	1.96	-0.6	16.67	12600	350	NR
08:44	6.28	0	18.39	0.16	525	0.00	177.4	0.90	4.07	0.25	-0.5	20.00	14350	350	NR
08:49	6.28	0	18.40	0.05	531	1.13	177.9	0.50	4.01	1.50	-0.5	0.00	16100	350	NR
08:54	6.3	0.02	18.57	0.92	530	0.19	176.0	1.90	3.94	1.78	-0.5	0.00	17850	350	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/9/1999
WEATHER: Cloudy, slight breeze, 70+ deg F
MONITORING WELL NO.: WC5-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:50	6.45	NA	15.83	NA	26631	NA	41.8	NA	6.75	NA	39.4	NA	NA	NA	5.8
12:53	6.62	0.17	15.52	2.00	35349	24.66	-42.6	84.4	6.91	2.32	47.1	16.35	1200	400	5.79
12:56	6.68	0.06	15.29	1.50	36699	3.68	-64.4	21.8	7.24	4.56	44.0	7.05	2475	425	5.85
12:59	6.69	0.01	15.27	0.13	36277	1.16	-67.2	2.8	6.98	3.72	23.0	91.30	3750	425	5.85
13:03	6.69	0	15.32	0.33	36834	1.51	-66.1	1.1	5.39	29.50	18.3	25.68	5450	425	5.85
13:06	6.72	0.03	15.16	1.06	37073	0.64	-64.8	1.3	4.69	14.93	13.0	40.77	6725	425	5.9
13:09	6.72	0	15.12	0.26	37309	0.63	-64.2	0.6	4.30	9.07	9.0	44.44	8090	455	5.9
13:13	6.71	0.01	15.14	0.13	36694	1.68	-63.2	1.0	4.00	7.50	8.9	1.12	9910	455	5.87
13:16	6.71	0	15.08	0.40	36148	1.51	-62.5	0.7	4.10	2.44	8.9	0.00	11275	455	5.87
13:21	6.71	0	15.12	0.26	36969	2.22	-59.8	2.7	4.09	0.24	6.1	45.90	13550	455	5.87
13:24	6.71	0	15.15	0.20	37028	0.16	-58.8	1.0	4.23	3.31	6.1	0.00	14915	455	5.87
13:26	6.71	0	15.16	0.07	37593	1.50	-57.3	1.5	4.13	2.42	6.1	0.00	15825	455	5.87
13:30	6.71	0	15.06	0.66	37762	0.45	-57.0	0.3	4.23	2.36	6.0	1.67	17645	455	5.87

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/13/1999
WEATHER: Sunny, Breezy, 70+ deg F
MONITORING WELL NO.: WC5-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, M. McGill

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
14:03	6.71	NA	15.30	NA	36336	NA	-24.3	NA	16.51	NA	22.60	NA	NA	NA	5.97
14:06	6.69	0.02	15.33	0.20	37203	2.33	-36.0	11.7	14.14	16.76	26.80	15.67	1440	480	5.98
14:09	6.68	0.01	15.33	0	37596	1.05	-41.0	5.0	13.11	7.86	17.10	56.73	2895	485	5.98
14:12	6.67	0.01	15.36	0.20	37794	0.52	-43.4	2.4	14.68	10.69	14.40	18.75	4335	480	5.98
14:16	6.66	0.01	15.25	0.72	37938	0.38	-44.6	1.2	9.64	52.28	11.10	29.73	6235	475	5.97
14:21	6.66	0.00	15.35	0.65	38064	0.33	-43.4	1.2	9.24	4.33	7.80	42.31	8535	460	5.97
14:26	6.65	0.01	15.32	0.20	38147	0.22	-42.5	0.9	10.68	13.48	5.40	44.44	10785	450	5.96
14:31	6.64	0.01	15.30	0.13	38214	0.18	-41.6	0.9	9.05	18.01	5.50	1.82	13035	450	5.96
14:36	6.64	0	15.34	0.26	38301	0.23	-41.0	0.6	8.82	2.61	5.10	7.84	15335	460	5.96
14:39	6.64	0	15.36	0.13	38247	-0.14	-40.4	0.6	8.88	0.68	4.70	8.51	16760	475	5.96
14:42	6.64	0	15.35	0.07	38300	0.14	-40.4	0	9.46	6.13	3.10	51.61	18185	475	5.96
14:45	6.64	0	15.36	0.07	38349	0.13	-40.4	0	9.85	3.96	2.70	14.81	19610	475	5.96
14:48	6.64	0	15.37	0.07	38363	0.04	-40.6	0.2	9.58	2.82	2.50	8.00	21035	475	5.96
14:51	6.64	0	15.14	1.52	38407	0.11	-41.2	0.6	9.57	0.10	2.40	4.17	22460	475	5.96
14:54	6.63	0.01	15.23	0.59	38408	0	-40.4	0.8	9.79	2.25	2.40	0.00	23885	475	5.96

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are with EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 7/6/1999
WEATHER: Breezy, clear, humid, 90 deg F
MONITORING WELL NO.: WC5-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, T. Morrison

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
9:15	6.50	NA	20.44	NA	330	NA	120.2	NA	0.61	NA	4.2	NA	NA	NA	NR
9:18	6.52	0.02	20.42	0.10	331	0.30	119.7	0.5	0.53	15.09	2.9	44.83	1275	425	NR
9:23	6.55	0.03	20.67	1.21	331	0	117.7	2.0	0.51	3.92	1.8	61.11	2650	275	NR
9:27	6.57	0.02	20.70	0.14	331	0	117.6	0.1	0.48	6.25	1.8	0	3750	275	NR
9:33	6.56	0.01	20.65	0.24	328	0.91	117.2	0.4	0.45	6.67	1.9	5.26	5400	275	NR
9:37	6.57	0.01	20.59	0.29	329	0.30	116.4	0.8	0.42	7.14	2.2	13.64	6800	350	NR
9:43	6.57	0	20.12	2.34	325	1.23	115.6	0.8	0.38	10.53	2.6	15.38	8900	350	NR
9:47	6.57	0	19.99	0.65	325	0	114.3	1.3	0.37	2.70	2.6	0	9900	250	NR
9:51	6.60	0.03	20.42	2.11	330	1.52	110.8	3.5	0.35	5.71	2.3	13.04	11400	375	NR
9:55	6.59	0.01	20.46	0.20	328	0.61	109.7	1.1	0.35	0	2.2	4.55	12900	375	NR
9:58	6.59	0	20.45	0.05	328	0	108.8	0.9	0.35	0	2.2	0	14025	375	NR
10:01	6.59	0	20.46	0.05	327	0.31	108.2	0.6	0.34	2.94	2.2	0	15150	375	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/1999
WEATHER: Overcast, breezy, humid, 80 deg
MONITORING WELL NO.: WC5-2S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, E. Hastings

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
14:43	6.19	NA	17.66	NA	336	NA	134.8	NA	1.2	NA	0.4	NA	NA	NA	NR
14:46	6.18	0.01	17.56	0.57	339	0.88	135.5	0.7	0.97	23.71	0.3	NA	975	325	NR
14:49	6.16	0.02	17.53	0.17	339	0	136.3	0.8	0.86	12.79	0.1	NA	1950	325	NR
14:52	6.16	0	17.53	0	339	0	136.8	0.5	0.79	8.86	0.1	NA	2925	325	NR
14:55	6.15	0.01	17.49	0.23	339	0	137.4	0.6	0.73	8.22	0.1	NA	3900	325	NR
14:58	6.15	0	17.42	0.40	339	0	137.5	0.1	0.70	4.29	0.1	NA	4875	325	NR
15:01	6.14	0.01	17.43	0.06	338	0.30	138.2	0.7	0.69	1.45	0.1	NA	5850	325	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 07/01/99
WEATHER: Cloudy 70's °F.
MONITORING WELL NO.: WC5-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
13:40	5.82	NA	17.51	NA	281	NA	224.0	NA	3.52	NA	6.1	NA	NA	NA	NR
13:48	5.80	0.02	17.39	0.69	284	1.06	235.7	11.7	3.03	16.2	3.7	64.9	2000	250	NR
13:51	5.80	0.00	17.41	0.11	285	0.35	238.0	2.3	2.95	2.7	3.5	5.7	2750	250	NR
13:57	5.80	0.00	17.31	0.58	285	0.00	242.9	4.9	2.80	5.4	0.4	< 1 NTU	4250	250	NR
14:02	5.81	0.01	17.27	0.23	286	0.35	249.3	6.4	2.72	2.9	0.3	< 1 NTU	5500	250	NR
14:05	5.81	0.00	17.22	0.29	286	0.00	251.2	1.9	2.66	2.3	0.3	< 1 NTU	6250	250	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) NR - Not Recorded; the pump apparatus blocked water level measurements.
4) NA - Not available

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 06/30/99
WEATHER: Overcast, mid. 70's °F
MONITORING WELL NO.: WC6-1I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:05	6.13	NA	16.12	NA	8986	NA	144.6	NA	0.55	NA	439	NA	NA	NA	4.37
11:09	6.14	0.01	17.28	6.71	9127	1.54	145.2	0.60	0.61	9.84	413.00	6.30	400	100	4.38
11:13	6.13	0.01	17.20	0.47	9406	2.97	145.0	0.20	0.52	17.31	265.00	55.85	1,800	350	4.38
11:17	6.14	0.01	17.11	0.53	9539	1.39	140.1	4.90	0.48	8.33	183.00	44.81	3,300	375	4.38
11:21	6.13	0.01	16.98	0.77	9639	1.04	151.6	11.50	0.43	11.63	136.30	34.26	4,700	350	4.38
11:24	6.13	0.00	16.90	0.47	9676	0.38	149.5	2.10	0.41	4.88	120.20	13.39	5,750	350	4.38
11:28	6.13	0.00	16.79	0.66	9705	0.30	146.9	2.60	0.38	7.89	95.00	26.53	7,150	350	4.38
11:32	6.12	0.01	16.88	0.53	9745	0.41	146.8	0.10	0.37	2.70	80.90	17.43	8,450	325	4.4
11:37	6.11	0.01	16.90	0.12	9803	0.59	145.4	1.40	0.35	5.71	81.80	1.10	10,325	375	4.41
11:40	6.09	0.02	16.81	0.54	9813	0.10	146.1	0.70	0.35	0.00	84.70	3.42	11,525	400	4.41
11:43	6.07	0.02	16.68	0.78	9821	0.08	146.4	0.30	0.35	0.00	88.30	4.08	12,650	375	4.41
11:47	6.07	0.00	16.67	0.06	9836	0.15	147.5	1.10	0.33	6.06	95.00	7.05	14,210	390	4.41
11:50	6.05	0.02	16.72	0.30	9852	0.16	150.0	2.50	0.33	0.00	102.90	7.68	15,410	400	4.41
11:55	6.04	0.01	16.80	0.48	9857	0.05	151.3	1.30	0.32	3.13	119.60	13.96	17,410	400	4.39
12:00	6.00	0.04	16.69	0.66	9860	0.03	153.0	1.70	0.31	3.23	141.00	15.18	19,410	400	4.39
12:20	5.97	0.03	16.75	0.36	9773	0.89	158.9	5.90	0.44	29.55	10.30	1268.93	26,910	375	4.39
12:25	5.94	0.03	16.57	1.09	9762	0.11	159.3	0.40	0.40	10.00	9.40	9.57	28,785	375	4.39
12:30	5.93	0.01	16.50	0.42	9797	0.36	166.4	7.10	0.35	14.29	8.90	5.62	30,410	325	4.39
12:34	5.90	0.03	16.43	0.43	9830	0.34	160.1	6.30	0.36	2.78	8.90	0.00	31,810	350	4.39
12:38	5.84	0.06	16.51	0.48	9830	0.00	173.9	13.80	0.34	5.88	9.00	1.11	33,310	375	4.38
12:43	5.88	0.04	16.53	0.12	9815	0.15	168.4	5.50	0.34	0.00	7.30	23.29	35,185	375	4.38
12:46	5.87	0.01	16.53	0.00	9812	0.03	170.5	2.10	0.34	0.00	7.50	2.67	36,310	375	4.38
12:49	5.87	0.00	16.51	0.12	9826	0.14	173.5	3.00	0.34	0.00	7.50	0.00	37,435	375	4.38

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings meet EPA specifications for stabilization, the monitoring well is ready for sampling.
3) Sampled for VOC's, SVOC's, PCB's, Metals, CN^-, Cl^- @ 1300hrs.
4) NA - Not available

H-2

MONITORING WELL PURGE DATA SHEETS – ROUND 2, NOVEMBER 1999

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Clear; High 40's °F
MONITORING WELL NO.: MWCD-99-01A

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 0		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:15	Started pump														6.33
11:21	8.16	NA	14.87	NA	22,695	NA	-148.0	NA	1.63	NA	65.00	NA	3,900	650	6.33
11:25	8.18	0.02	15.33	3.0	24,115	5.9	-189.3	41.3	0.34	379.4	40.00	62.5	4,980	270	6.32
11:30	8.17	0.01	15.04	1.93	24,786	2.71	-187.7	1.6	0.64	46.88	16.00	150.0	6,730	350	6.33
11:33	Battery of Pump Controller is out of charge. Replaced by 12:10 hrs.														
12:10	8.19	0.02	16.48	100.00	25,065	100.00	-170.4	170.4	0.38	100.00	12.00	33.3	7,810	360	6.26
12:15	8.19	0.00	15.21	8.3	24,393	2.8	-191.9	21.5	0.53	28.3	5.20	130.8	9,610	360	6.25
12:20	8.18	0.01	15.09	0.80	24,388	0.02	-194.0	2.1	0.56	5.36	3.20	62.5	11,410	360	6.24
12:25	8.19	0.01	15.05	0.3	24,189	0.8	-196.8	2.8	0.57	1.8	2.40	33.3	13,210	360	6.20
12:30	8.18	0.00	15.08	0.07	23,904	2.02	-197.8	3.8	0.46	21.74	1.40	71.4	15,010	360	6.18
12:35	8.18	0.00	15.11	0.2	23,591	1.3	-199	1.2	0.45	2.2	1.10	27.3	16,810	360	6.15
12:40	8.18	0.00	15.12	0.07	23,309	1.21	-199.8	0.8	0.45	0.00	1.30	15.4	18,610	360	6.12
12:43	8.18	0.00	15.08	0.3	23,112	0.9	-200.6	0.8	0.44	2.3	0.65	< 1 NTU	19,690	360	6.12
13:17	Water level after sampling														5.80

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Cloudy, Windy, Mid 40's
MONITORING WELL NO.: MWCD-99-01B

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:46	Started pump														7.04
7:57	6.95	NA	8.31	NA	3,872	NA	-55.6	NA	4.17	NA	3.6	NA	2,640	240	6.95
8:01	6.73	0.22	10.82	23.2	8,458	54.2	-123.9	68.3	1.17	256.4	6.99	48.5	3,840	300	6.95
8:05	6.76	0.03	11.61	6.80	9,452	10.52	-138.3	14.4	0.77	51.95	5.4	29.9	5,040	300	6.94
8:10	6.78	0.02	11.82	1.8	9,539	0.9	-145.3	7.0	0.49	57.1	3.46	55.5	6,540	300	6.93
8:15	6.79	0.01	11.95	1.09	9,564	0.26	-149	3.7	0.44	11.36	--	--	8,040	300	6.85
8:25	6.79	0.00	11.81	1.2	9,599	0.4	-152.1	3.1	0.39	12.8	--	--	11,440	340	6.80
8:30	6.79	0.00	11.93	1.01	9,598	0.01	-153	0.9	0.35	11.43	--	--	13,040	320	6.75
8:37	6.79	0.00	12.06	1.1	9,615	0.2	-153.7	0.7	0.33	6.1	--	--	15,280	320	6.66
8:42	6.79	0.00	12.60	4.29	9,624	0.09	-153.6	0.1	0.32	3.13	--	--	16,880	320	6.61
8:50	6.80	0.01	12.09	4.2	9,623	0.0	-154.4	0.8	0.31	3.2	1.37	--	19,440	320	6.48
8:55	6.80	0.00	12.10	0.08	9,631	0.08	-155.3	0.9	0.29	6.90	1.0	< 1 NTU	21,040	320	6.40
8:58	6.80	0.00	12.08	0.2	9,632	0.0	-155.6	0.3	0.29	0.0	0.59	< 1 NTU	22,000	320	6.35
9:35	Water level after sampling														5.87

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Between time period 8:15 and 8:42 hrs turbidity meter had no power.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/11/1999
WEATHER: Cloudy, Windy, High 40's
MONITORING WELL NO.: MWCD-99-02A

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:50	Water level measurement														6.18
11:57	Started pump														6.45
12:00	8.80	NA	16.36	NA	24,863	NA	35.3	NA	5.04	NA	6.72	NA	960	320	NR
12:05	8.72	0.08	16.57	1.27	25,316	1.79	45.4	10.1	2.87	75.61	2.95	127.8	2,560	320	NR
12:10	8.72	0.00	16.57	0.0	25,385	0.3	50.4	5.0	2.67	7.5	2.62	12.6	4,160	320	NR
12:15	8.71	0.01	16.60	0.18	25,420	0.14	54.0	3.6	2.57	3.89	0.42	< 1 NTU	5,760	320	NR
12:20	8.71	0.00	16.46	0.9	25,592	0.7	55.3	1.3	2.04	26.0	0.24	< 1 NTU	7,360	320	NR
12:25	8.71	0.00	16.46	0.00	25,691	0.39	57.0	1.7	1.93	5.70	0.24	< 1 NTU	8,960	320	NR
12:27	Washed out Flow-Thru Cell												NA	NA	NR
12:30	8.69	0.02	16.55	0.54	25,485	0.81	78.3	21.3	2.11	8.53	0.23	< 1 NTU	9,920	320	NR
12:35	8.71	0.02	16.46	0.5	25,687	0.8	70.7	7.6	1.90	11.1	0.20	< 1 NTU	11,520	320	NR
12:38	8.71	0.00	16.50	0.24	25,720	0.13	67.0	3.7	1.94	2.06	0.24	< 1 NTU	12,480	320	NR
12:41	8.71	0.00	16.54	0.2	25,700	0.1	65.2	1.8	1.88	3.2	0.24	< 1 NTU	13,440	320	NR
13:15	Water level after sampling														6.30

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Not Recorded; water elevation could not be obtained because tide was lower than the top of pump (6.45 ft)

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/11/1999
WEATHER: Cloudy, Windy
MONITORING WELL NO.: MWCD-99-02B

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:20	Started pump														6.91
10:23	7.71	NA	11.83	NA	1256	NA	109.7	NA	7.23	NA	28.5	NA	1050	350	6.71
10:30	7.54	0.17	13.02	9.14	7432	83.10	-228.0	337.7	0.57	1168.4	7.72	269.2	3,500	350	6.56
10:35	7.48	0.06	12.97	0.39	7743	4.02	-222.3	5.7	0.44	29.5	2.9	167.1	5250	350	6.47
10:40	7.43	0.05	12.90	0.54	7852	1.39	-214.6	7.7	0.39	12.8	1.18	144.9	7,000	350	6.37
10:45	7.38	0.05	12.77	1.02	7915	0.80	-207.8	6.8	0.36	8.3	1.9	37.9	8750	350	6.25
10:50	7.36	0.02	12.83	0.47	7889	0.33	-204.1	3.7	0.33	9.1	2.01	5.5	10,500	350	6.18
10:55	7.35	0.01	12.70	1.02	7932	0.54	-202.4	1.7	0.30	10.0	1.9	5.2	12250	350	6.12
11:00	7.33	0.02	12.82	0.94	7898	0.43	-199.7	2.7	0.30	0.0	0.87	< 1 NTU	14,000	350	6.06
11:03	7.363	0.03	13.15	2.51	7909	0.14	-199.3	0.4	0.31	3.2	0.9	< 1 NTU	15050	350	6.00
11:06	7.32	0.04	12.83	2.49	7913	0.05	-197.1	2.2	0.30	3.3	0.54	< 1 NTU	16,100	350	5.91

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Sunny, 40's, windy
MONITORING WELL NO.: PZ-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
13:12	7.07	NA	14.79	NA	4,549	NA	-353.4	NA	1.56	NA	9.4	NA	400	170	5.38
13:17	7.07	0.00	14.30	3.43	5,245	13.27	-357.3	3.9	0.84	85.71	8.6	9.30	1,250	180	5.37
13:22	7.07	0.00	14.71	2.79	5,503	4.69	-360.9	3.6	0.48	75.00	9.1	5.49	2,150	170	5.37
13:27	7.06	0.01	15.37	4.29	5,677	3.06	-362.4	1.5	0.28	71.43	14.0	35.00	3,000	260	5.37
13:33	7.06	0.00	15.76	2.47	5,782	1.82	-364.6	2.2	0.18	55.56	30.0	53.33	4,300	350	5.35
13:38	7.07	0.01	15.85	0.57	5,791	0.16	-365.0	0.4	0.15	20.00	29.0	3.45	6,050	350	5.29
13:43	7.07	0.00	15.89	0.25	5,783	0.14	-365.3	0.3	0.15	0.00	25.0	16.00	7,800	350	5.29
13:48	7.07	0.00	15.81	0.51	5,789	0.10	-366.0	0.7	0.15	0.00	27.0	7.41	9,550	350	5.27
13:53	7.07	0.00	15.86	0.32	5,790	0.02	-366.5	0.5	0.11	36.36	30.0	10.00	11,300	350	5.26
13:58	7.07	0.00	15.92	0.38	5,722	1.17	-367.0	0.5	0.10	10.00	26.0	15.38	13,050	350	5.28
14:03	7.07	0.00	16.05	0.81	5,784	1.07	-367.6	0.6	0.10	0.00	22.0	18.18	14,800	350	5.25
14:08	7.07	0.00	15.92	0.82	5,787	1.12	-368.2	0.6	0.08	25.00	23.0	4.35	16,500	350	5.18
14:13	7.07	0.00	15.99	0.44	5,781	0.10	-368.4	0.2	0.07	14.29	23.0	0.00	18,300	350	5.18
14:18	7.07	0.00	15.98	0.06	5,784	0.05	-368.1	0.3	0.07	0.00	23.0	0.00	20,050	350	5.14
14:23	7.07	0.00	16.05	0.44	5,776	0.14	-368.9	0.8	0.07	0.00	21.0	9.52	21,800	350	5.14
14:28	7.07	0.00	15.92	0.82	5,779	0.09	-368.0	0.9	0.07	0.00	21.0	0.00	23,550	350	5.14

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Partly Cloudy, Windy
MONITORING WELL NO.: PZ-4D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:20	6.51	NA	18.33	NA	48	NA	118.2	NA	5.31	NA	115	NA	--	100	2.65
Continued purging. YSI unit malfunctioned and was replaced															
13:20	6.70	NA	17.24	NA	4759	NA	-133.4	NA	1.28	NA	1922	NA	12,000	200	2.75
13:25	6.66	0.04	17.15	0.52	4970	4.25	-158.3	24.9	0.56	128.57	2058	6.6	12,750	150	2.75
13:30	6.66	0.00	17.18	0.17	4955	0.30	-175.4	17.1	0.44	27.3	2372	13.2	13,500	150	2.75
13:35	6.65	0.01	17.17	0.06	4949	0.12	-187.2	11.8	0.38	15.79	1720	37.9	14,250	150	2.75
13:40	6.65	0.00	17.17	0.00	4947	0.04	-190.3	3.1	0.33	15.2	1568	9.7	15,000	150	2.75
13:45	6.65	0.00	17.17	0.00	4948	0.02	-192.5	2.2	0.3	10.00	1568	0.0	15,750	150	2.75
13:50	6.64	0.01	17.22	0.29	4947	0.02	-194.2	1.7	0.33	9.1	1612	2.7	16,500	150	2.75

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Between time intervals 12:20 and 13:20 hrs. YSI malfunctioned and new one was obtained.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/11/1999
WEATHER: Clear 50's, Moderate Wind
MONITORING WELL NO.: PZ-5D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: Amy Murphy, B. Cebula, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
13:05	6.27	NA	14.04	NA	1.369	NA	-117	NA	3.08	NA	8.29	NA	875	175	2.20
13:10	6.56	0.29	13.98	0.43	6.601	79.26	-130.7	13.7	1.19	158.82	40.60	79.6	1,925	210	3.04
13:15	6.61	0.05	14.08	0.71	6.610	0.1	-131.6	0.9	0.85	40.00	30.20	34.4	3,225	260	3.03
13:20	6.62	0.01	14.10	0.14	6.800	2.79	-134.2	2.6	0.68	25.00	Low Bat.	NA	4,675	290	2.57
13:25	6.82	0.26	14.18	0.56	6.822	0.3	-132.6	1.6	0.42	61.90	16.00	NA	6,125	290	2.39
13:30	6.82	0.00	14.19	0.07	6.824	0.03	-132.4	0.2	0.4	5.00	11.50	39.1	7,575	290	2.41
13:35	6.57	0.25	14.11	0.57	6.810	0.2	-135.4	3.0	0.34	17.65	9.26	24.2	9,025	290	2.49
13:40	6.56	0.01	13.99	1.43	6.800	0.35	-131.7	0.7	0.25	60.00	10.24	9.6	10,525	300	2.52
13:45	6.55	0.00	14.00	0.07	6.790	0.1	-130.6	1.1	0.23	8.70	9.87	3.7	12,025	300	2.51
13:50	6.55	0.00	14.06	0.43	6.790	0.00	-125.5	5.1	0.21	9.52	9.45	4.4	13,525	300	2.51
13:55	6.54	0.01	13.98	0.57	6.744	0.7	-125.3	0.2	0.15	40.00	9.21	2.6	15,025	300	2.53
14:00	6.54	0.00	14.1	0.85	6.737	0.79	-129	3.7	0.15	0.00	9.30	1.0	16,525	300	2.56
14:05	6.54	0.00	13.94	1.15	6.793	0.8	-128.1	0.9	0.11	36.36	6.22	49.5	18,025	300	2.69
14:10	6.54	0.00	13.11	6.33	6.829	1.35	-127.6	0.5	0.11	0.00	1.60	288.8	19,525	300	2.55
15:00	6.73	0.00	13.67	4.10	6.744	1.3	-127	0.6	0.16	31.25	21.80	92.7	34,525	300	2.99
15:05	6.73	0.04	13.87	1.44	6.719	0.37	-128.2	1.2	0.11	45.45	15.40	41.6	36,025	300	3.00
15:10	6.73	0.02	13.83	0.29	6.890	2.1	-129.8	1.6	0.11	0.00	11.80	30.5	37,525	300	3.08
15:15	6.73	0.01	13.73	0.73	6.911	0.30	-131	1.2	0.09	22.22	7.03	67.9	39,025	300	3.15
15:20	6.73	0.00	13.63	0.73	6.929	0.6	-131.3	0.3	0.09	0.00	5.16	36.2	40,525	300	3.13
15:25	6.73	0.00	13.58	0.37	6.929	0.00	-131.8	0.5	0.09	0.00	4.19	23.2	42,025	300	3.19
15:30	6.54	0.19	13.54	0.30	6.916	0.2	-133.9	2.1	0.08	12.50	3.96	5.8	43,425	280	3.19
15:35	6.54	0.00	13.5	0.30	6.914	0.03	-133	0.9	0.08	0.00	3.79	4.5	44825	280	3.21
15:40	6.53	0.01	13.60	0.74	6.930	0.2	-134.5	1.5	0.08	0.00	6.51	41.8	46,225	280	3.25
15:45	6.54	0.01	13.48	0.89	6.923	0.10	-133	1.5	0.08	0.00	3.38	92.6	47625	280	3.27

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Between time period 1410 and 1500 hrs, no readings were taken because Nitrogen cylinder was being replaced.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Clear, Windy, Mid 40's °F
MONITORING WELL NO.: PZ-8D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:09	Started pump														4.70
11:15	7.40	NA	14.51	NA	198	NA	265.9	NA	1.38	NA	13.0	NA	2,400	400	5.20
11:20	7.15	-0.25	15.83	8.3	196	1.02	253.3	12.6	0.91	51.6	13.0	0.0	4,400	400	5.20
11:25	7.15	0	15.63	1.28	220	10.91	169.1	84.2	0.67	35.82	13.0	0.00	6,400	400	5.21
11:30	7.14	-0.01	15.68	0.3	239	7.95	101.2	67.9	0.61	9.8	13.0	0.0	8,400	400	5.20
11:35	7.11	-0.03	15.67	0.06	274	12.77	36.2	65	0.58	5.17	12.0	8.33	10,400	400	5.2
11:40	7.11	0.00	15.67	0.0	274	0.00	30.2	6.0	0.60	3.3	13.0	7.7	11,600	240	5.00
11:45	7.05	-0.06	14.34	9.27	344	20.35	17.7	12.5	0.80	25.00	10.0	NA	12,800	240	4.99
11:50	7.05	0.00	14.56	1.5	340	1.18	18.9	1.2	0.74	8.1	9.6	NA	14,000	240	4.99
11:53	7.04	-0.01	14.53	0.21	352	3.41	17.7	1.2	0.80	7.50	9.2	4.35	14,720	240	4.99
11:57	7.03	-0.01	14.86	2.2	370	4.86	17.2	0.5	0.82	2.4	7.7	19.5	15,680	240	4.99
12:01	7.02	-0.01	14.37	3.41	385	3.90	17.8	0.6	0.86	4.65	7.4	4.05	16,640	240	4.99
12:05	7.00	-0.02	14.62	1.7	401	3.99	15.2	2.6	1.55	44.5	6.9	7.2	17,600	240	4.99
12:10	6.99	-0.01	14.31	2.17	429	6.53	15.8	0.6	1.53	1.31	5.4	27.78	18,800	240	4.99
12:15	6.95	-0.04	14.13	1.3	460	6.74	18.1	2.3	1.67	8.4	4.5	20.0	20,000	240	4.99
12:20	6.93	-0.02	14.17	0.28	485	5.15	19.6	1.5	1.78	6.18	3.6	25.00	21,200	240	4.98
12:25	6.91	-0.02	14.06	0.8	504	3.77	21.6	2.0	1.92	7.3	2.3	56.5	22,400	240	4.98
12:30	6.96	0.05	14.72	4.48	524	3.82	21.9	0.3	3.30	41.82	2.1	9.52	23,600	240	4.98
12:35	6.88	-0.08	14.84	0.8	545	3.85	22.6	0.7	3.70	10.8	1.9	10.5	24,800	240	4.98
12:40	6.87	-0.01	14.74	0.68	565	3.54	23.2	0.6	5.01	26.15	1.1	72.73	26,000	240	4.98
12:45	6.87	0.00	14.74	0.0	576	1.91	26.0	2.8	5.65	11.3	1	10.0	27,200	240	4.98
12:50	6.86	-0.01	14.93	1.27	595	3.19	25.4	0.6	6.85	17.52	0.45	< 1 NTU	28,400	240	4.98
12:55	6.84	-0.02	14.49	3.0	623	4.49	26.4	1.0	8.60	20.3	0.45	< 1 NTU	29,600	240	4.98
13:00	6.83	-0.01	14.32	1.19	624	0.16	27.7	1.3	8.10	6.17	0.3	< 1 NTU	30,800	240	4.98
Switched to a different field meter; stopped purging for about 45 minutes															
13:50	10.98	4.15	12.08	18.54	0.643	96945.10	-347.3	375	0.96	743.75	0.2	< 1 NTU	32,150	270	4.95
13:55	10.79	-0.19	13.57	11.0	0.665	3.31	-345.5	1.8	0.45	113.3	0.2	< 1 NTU	33,500	270	4.95
14:00	10.98	0.19	13.93	2.58	0.663	0.30	-351	5.5	0.36	25.00	0.2	< 1 NTU	34,850	270	4.95
14:05	10.91	-0.07	14.35	2.9	0.67	1.04	-349.0	2.0	0.31	16.1	0.0	< 1 NTU	36,200	270	4.95
14:10	11.07	0.16	14.25	0.70	0.677	1.03	-350	1	0.31	0.00	0.0	< 1 NTU	37,550	270	4.95
14:15	10.99	-0.08	14.05	1.4	0.689	1.74	-351.7	1.7	0.27	14.8	0.0	< 1 NTU	38,900	270	4.95
14:18	10.99	0	14.03	0.14	0.692	0.43	-352.9	1.2	0.26	3.85	0.0	< 1 NTU	39,710	270	4.95
14:21	11.07	0.08	14.12	0.6	0.693	0.14	-353.4	0.5	0.26	0.0	0	< 1 NTU	40,520	270	4.95

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"
6) Pump Screen set at 28.5 feet below top of riser.
7) Between time period 1300hrs and 1350hrs, YSI was changed because it was malfunctioning.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Overcast, cold, windy; 55 °F
MONITORING WELL NO.: PZ-9D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL:

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:33	Started pump														6.98
12:40	7.63	NA	15.24	NA	3,420	NA	43.6	NA	4.35	NA	NR	NA	2,450	350	6.98
12:45	7.50	0.13	17.04	10.6	4,279	20.1	44.6	1.0	1.41	208.5	NR	NA	4,200	350	6.98
12:50	7.44	0.06	17.02	0.1	4,215	1.5	51.8	7.2	1.11	27.0	NR	NA	5,950	350	6.98
12:55	7.42	0.02	16.92	0.6	4,183	0.8	55.4	3.6	1.12	0.9	NR	NA	7,700	350	6.98
13:00	7.39	0.03	17.35	2.5	4,150	0.8	57.9	2.5	0.86	30.2	NR	NA	9,450	350	7.02
13:05	7.36	0.03	17.39	0.2	4,105	1.1	61.5	3.6	0.88	2.3	5.53	NA	11,200	350	6.98
13:10	7.36	0.00	17.39	0.0	4,070	0.9	63.5	2.0	0.87	1.1	4.93	12.2	12,950	350	6.98
13:15	7.35	0.01	17.39	0.0	4,040	0.7	63.8	0.3	0.80	8.7	4.23	16.5	14,700	350	6.80
13:20	7.33	0.02	16.76	3.8	3,960	2.0	66.7	2.9	0.62	29.0	3.53	19.8	15,825	225	6.80
13:25	7.32	0.01	16.57	1.1	3,940	0.5	67.2	0.5	0.59	5.1	3.00	17.7	16,950	225	6.30
13:30	7.31	0.01	16.37	1.2	3,935	0.1	68.4	1.2	0.58	1.7	2.98	0.7	18,075	225	6.20
13:35	7.30	0.01	16.01	2.2	3,927	0.2	69.2	0.8	0.54	7.4	2.72	9.6	19,200	225	6.20

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are with the EPA specifications, the monitoring well is stabilized and ready for sampling.
3) Started pumping @ 12:33
4) NA - Not available
5) NR - Not Recorded

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Cold, 40's °F
MONITORING WELL NO.: PZ-11D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: P. Reynolds and B. Cebula

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:15	7.24	NA	13.06	NA	1.228	NA	-318.6	NA	2.59	NA	21.4	NA	2,250	250	4.73
8:20	7.27	0.03	14.92	12.47	1.290	4.81	-319.7	1.1	1.63	58.90	20.6	3.9	3,625	275	4.78
8:25	7.29	0.05	15.36	2.9	1.307	1.3	-319.5	0.2	1.23	32.5	17.1	20.5	5,250	325	4.89
8:30	7.31	0.01	15.36	0.00	1.322	1.13	-318.4	1.1	1.00	23.00	17.7	3.4	6,875	325	4.90
8:35	7.33	0.26	15.30	0.4	1.328	0.5	-318.6	0.2	0.88	13.6	16.0	10.6	8,500	325	4.90
8:40	7.40	0.00	15.27	0.20	1.345	1.26	-317.9	0.7	0.57	54.39	18.2	12.1	10,250	350	4.90
8:50	7.44	0.25	15.42	1.0	1.362	1.2	-318.1	0.2	0.54	5.6	26.0	30.0	13,750	350	4.89
8:55	7.53	0.01	15.33	0.59	1.390	2.01	-317.0	1.1	0.40	35.00	27.4	5.1	15,500	350	4.89
9:00	7.59	0.00	15.28	0.3	1.428	2.7	-316.5	0.5	0.33	21.2	28.4	3.5	17,150	330	4.89
9:05	7.61	0.00	15.33	0.33	1.445	1.18	-315.0	1.5	0.32	3.13	34.6	17.9	18,800	330	4.89
9:10	7.62	0.01	15.28	0.3	1.447	0.1	-312.9	2.1	0.26	23.1	35.0	1.1	20,450	330	4.89
9:15	7.62	0.00	15.21	0.46	1.498	3.54	-312.1	0.8	0.24	8.33	35.0	0.0	22,100	330	4.89
9:20	7.64	0.00	15.24	0.2	1.507	0.6	-311.0	1.1	0.24	0.0	34.0	2.9	23,750	330	4.91
9:25	7.64	0.00	15.23	0.07	1.512	0.93	-310.3	0.7	0.23	4.35	34.0	0.0	25,400	330	4.89
9:30	7.64	0.00	15.17	0.4	1.520	0.5	-308.2	2.1	0.22	4.5	34.0	0.0	27,050	330	4.89

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Clear, Windy, Mid 40's
MONITORING WELL NO.: PZ-13D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:48	Started pump														4.59
10:00	6.29	NA	1.87	NA	359.0	NA	360.8	NA	6.60	NA	1.2	NA	3240	270	4.59
10:05	6.49	0.20	12.30	84.8	351.1	2.3	350.4	10.4	4.99	32.3	0.9	< 1 NTU	4,840	320	4.59
10:10	6.49	0.00	13.75	10.55	1143.0	69.28	340.6	9.8	5.98	16.56	0.8	< 1 NTU	6440	320	4.60
10:15	6.49	0.00	14.59	5.8	1147.0	0.3	333.1	7.5	6.55	8.7	0.7	< 1 NTU	8,040	320	4.59
10:19	6.49	0.00	14.58	0.07	1147.0	0.00	328.5	4.6	6.83	4.10	0.4	< 1 NTU	9320	320	4.59
10:22	6.49	0.00	14.85	1.8	1147.0	0.0	325.6	2.9	6.93	1.4	0.3	< 1 NTU	10,280	320	4.59
10:45	Water level after sampling														4.59

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump set at 45' below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/11/1999
WEATHER: Cloudy, Windy, 45-50's F
MONITORING WELL NO.: PZ-16D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: Amy Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:57	6.75	NA	17.55	NA	0.419	NA	177.2	NA	1.87	NA	22.00	NA	780	390	4.09
11:03	6.69	0.06	17.57	0.1	0.456	8.1	-53.9	231.1	0.81	130.9	17.00	29.4	3,180	400	4.09
11:08	6.68	0.01	17.76	1.1	0.460	0.9	-56	2.1	0.73	11.0	7.60	123.7	5,180	400	4.07
11:13	6.68	0.00	17.63	0.7	0.462	0.4	-43.3	12.7	0.64	14.1	5.79	31.3	7,180	400	4.09
11:18	6.69	0.01	17.84	1.2	0.459	0.7	-73.2	29.9	0.60	6.7	3.96	46.2	9,180	400	4.08
11:23	6.69	0.00	18.02	1.0	0.455	0.9	-73.1	0.1	0.6	0.0	4.14	4.3	11,105	385	4.08
11:28	6.69	0.00	18.06	0.2	0.453	0.4	-107.2	34.1	0.60	0.0	2.35	76.2	13,055	390	4.08
11:33	6.70	0.01	17.95	0.4	0.452	0.7	-113.2	40.1	0.64	6.3	2.53	7.1	15,030	395	4.07
11:38	6.70	0.00	18.03	0.4	0.450	0.4	-106	7.2	0.56	14.3	2.53	0.0	17,005	395	4.08
11:43	6.69	0.01	18.05	0.1	0.450	0.0	-99.9	6.1	0.58	3.4	2.10	20.5	18,980	395	4.07
11:48	6.71	0.02	18.10	0.3	0.450	0.0	-73.3	26.6	0.52	11.5	1.94	8.2	20,955	395	4.08
11:53	6.73	0.02	17.94	0.9	0.458	1.7	-112	38.7	0.47	10.6	1.97	1.5	22,930	395	4.07
11:58	6.72	0.01	18.06	0.7	0.451	1.6	-112.6	0.6	0.48	2.1	1.57	25.5	24,905	395	4.08
12:03	6.73	0.01	18.01	0.3	0.452	1.3	-112.9	0.3	0.44	9.1	1.60	1.9	26,880	395	4.08
12:08	6.73	0.00	18.01	0.0	0.452	0.0	-109.3	3.6	0.42	4.8	1.43	11.9	28,855	395	4.08

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/09/1999
WEATHER: Cold, Cloudy, 55 deg F
MONITORING WELL NO.: PZ-17D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:50	5.63	NA	10.23	NA	11,610	NA	202.7	NA	4.74	NA	19	NA	NA	275	3.91
7:55	6.32	0.69	14.13	27.6	15,234	23.8	181	21.7	1.4	238.6	22.4	15.2	1,375	275	3.9
8:00	6.60	0.28	14.50	2.6	15,350	0.8	164.0	17.0	0.82	70.7	21.9	2.3	2,750	275	3.92
8:05	6.74	0.14	14.7	1.4	15,374	0.2	153	11.0	0.87	5.7	10.35	111.6	4,125	275	3.92
8:10	6.80	0.06	14.64	0.4	15,370	0.0	147.8	5.2	0.87	0.0	10.97	5.7	5,500	275	3.92
8:15	6.82	0.02	14.79	1.0	15,364	0.0	145.3	2.5	0.85	2.4	9.71	13.0	6,875	265	3.9
8:20	6.84	0.02	14.75	0.3	15,360	0.0	142.1	3.2	0.81	4.9	7.9	22.9	8,200	265	3.90
8:25	6.86	0.02	14.84	0.6	15,374	0.1	140.5	1.6	0.84	3.6	NR	NA	9,525	265	3.92
8:30	6.86	0.00	14.76	0.5	15,374	0.0	138.6	1.9	0.77	9.1	4.26	NA	10,850	265	3.92
8:35	6.88	0.02	14.81	0.3	15,360	0.1	136	2.6	0.91	15.4	3.26	30.7	12,175	265	3.92
8:40	6.88	0.00	14.91	0.7	15,358	0.0	134.3	1.7	0.85	7.1	2.44	33.6	13,500	265	3.92
8:45	6.88	0.00	15.00	0.6	15,365	0.0	133	1.3	0.84	1.2	2.82	13.5	14,825	265	3.89
8:50	6.90	0.02	14.92	0.5	15,362	0.0	131.3	1.7	0.84	0.0	2.17	30.0	16,150	265	3.89
8:55	6.9	0.00	15.05	0.9	15,352	0.1	130.5	0.8	0.83	1.2	1.68	29.2	17,475	265	3.87
9:00	6.90	0.00	15.21	1.1	15,354	0.0	129.0	1.5	0.83	0.0	1.26	33.3	18,800	265	3.87
9:05	6.91	0.01	15.23	0.1	15,350	0.0	127.9	1.1	0.85	2.4	1.17	7.7	20,125	265	3.86
9:10	6.91	0.00	15.28	0.3	15,347	0.0	127.5	0.4	0.85	0.0	1.27	7.9	21,450	265	3.86
9:15	6.91	0.00	15.15	0.9	15,353	0.0	126.7	0.8	0.83	2.4	1.28	0.8	22,775	265	3.86

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Cold, Windy, 40's °F
MONITORING WELL NO.: WC-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:56	7.05	NA	15.90	NA	0.300	NA	-341.0	NA	0.65	NA	10.0	NA	NA	275	NR
12:01	6.99	0.06	16.29	2.39	0.365	17.81	-341.3	0.3	0.39	66.67	2.7	270.4	1,400	280	NR
12:06	6.99	0.00	16.38	0.5	0.376	2.9	-343.6	2.3	0.36	8.3	1.1	145.5	2,800	280	NR
12:11	6.99	0.00	16.40	0.12	0.370	1.62	-343.1	0.5	0.34	5.88	0.2	< 1 NTU	4,175	275	NR
12:16	6.99	0.00	16.33	0.4	0.384	3.6	-342.0	1.1	0.34	0.0	0.2	< 1 NTU	5,550	275	NR
12:21	7.00	0.01	16.37	0.24	0.382	0.52	-340.7	1.3	0.36	5.56	0.0	< 1 NTU	6,925	275	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Nor Recorded; the pump apparatus blocked water level measurements

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/09/1999
WEATHER: Mostly cloudy, 55 deg F
MONITORING WELL NO.: WC-2D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:35	6.43	NA	16.22	NA	3,747	NA	-77.7	NA	3.51	NA	8.09	NA	NA	425	8.37
11:40	6.44	0.01	16.39	1.0	4,754	21.2	-110	32.3	1.25	180.8	4.48	80.6	2,125	425	8.37
11:45	6.42	0.02	16.35	0.2	4,737	0.4	-121.7	11.7	1.26	0.8	2.64	69.7	4,250	425	8.37
11:50	6.40	0.02	16.28	0.4	4,783	1.0	-131.5	9.8	1.75	28.0	1.41	87.2	6,375	425	8.37
11:55	6.39	0.01	16.26	0.1	4,790	0.1	-138.2	6.7	2.16	19.0	1.22	15.6	8,500	425	8.37
12:00	6.38	0.01	16.33	0.4	4,790	0.0	-142.6	4.4	2.06	4.9	0.64	< 1 NTU	10,625	425	8.37
12:05	6.37	0.01	16.29	0.2	4,775	0.3	-146.0	3.4	2.15	4.2	0.56	< 1 NTU	12,750	425	8.37
12:10	6.36	0.01	16.28	0.1	4,765	0.2	-149.2	3.2	2.18	1.4	0.37	< 1 NTU	14,875	425	8.37

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/11/1999
WEATHER: Clear, Windy, 50's °F.
MONITORING WELL NO.: WC-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
15:50	Started pump														2.76
15:55	7.97	NA	15.45	NA	19,784	NA	-214.9	NA	1.74	NA	0.6	NA	2,150	430	2.83
16:00	7.98	0.01	15.39	0.4	20,124	1.7	-283.0	68.1	0.39	346.2	0.00	< 1 NTU	4,300	430	2.83
16:05	7.99	0.01	15.44	0.3	20,198	0.4	-300.8	17.8	0.32	21.9	0.35	< 1 NTU	6,450	430	2.93
16:10	7.99	0.00	15.49	0.3	20,252	0.3	-315.8	15.0	0.29	10.3	0.00	< 1 NTU	8,600	430	3.00
16:15	8.00	0.01	15.51	0.1	20,273	0.1	-331.8	16.0	0.27	7.4	0.00	< 1 NTU	10,750	430	3.06
16:22	8.00	0.00	15.58	0.4	20,287	0.1	-347.3	15.5	0.27	0.0	0.00	< 1 NTU	13,760	430	3.20
16:25	8.00	0.00	15.60	0.1	20,298	0.1	-350.3	3.0	0.26	3.8	0.00	< 1 NTU	15,050	430	3.27
16:28	8.01	0.01	15.54	0.4	20,304	0.0	-355.2	4.9	0.25	4.0	0.00	< 1 NTU	16,340	430	3.30
17:00	Water level after sampling														3.45

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Sunny, Clear, 40's
MONITORING WELL NO.: WC-4S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:48	6.65	NA	10.25	NA	0.355	NA	-376.6	NA	2.06	NA	45.0	NA	NA	350	3.30
7:53	6.76	0.11	11.95	14.2	0.349	1.7	-374.5	2.1	0.60	243.3	15.0	200.0	1,950	390	3.45
7:58	6.78	0.02	11.40	4.8	0.341	2.3	-372.0	2.5	0.42	42.9	5.8	158.6	3,825	375	3.30
8:03	6.79	0.01	11.38	0.2	0.340	0.3	-366.6	5.4	0.38	10.5	3.3	75.8	5,700	375	3.34
8:08	6.79	0.00	10.94	4.0	0.339	0.3	-366.1	0.5	0.34	11.8	2.7	22.2	7,575	375	3.35
8:13	6.79	0.00	10.84	0.9	0.340	0.3	-365.2	0.9	0.32	6.3	2.1	28.6	9,450	375	3.37
8:16	6.79	0.00	11.25	3.6	0.338	0.6	-364.7	0.5	0.31	3.2	1.3	61.5	10,575	375	3.40
8:21	6.79	0.00	11.23	0.2	0.339	0.3	-363.9	0.8	0.29	6.9	1.6	18.8	12,450	375	3.38
8:25	6.79	0.00	11.25	0.2	0.340	0.3	-363.5	0.4	0.30	3.3	1.4	14.3	13,950	375	3.45
8:30	6.79	0.00	11.58	2.8	0.338	0.6	-362.0	1.5	0.29	3.4	1.1	27.3	15,825	375	3.38
8:33	6.79	0.00	11.60	0.2	0.339	0.3	-363.1	1.1	0.28	3.6	1.1	0.0	16,950	375	3.44
8:36	6.79	0.00	11.30	2.7	0.339	0.0	-361.5	1.6	0.28	0.0	1.1	0.0	18,075	375	3.48
8:40	6.79	0.00	11.10	1.8	0.339	0.0	-361.9	0.4	0.27	3.7	1.1	0.0	19,575	375	3.44

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Sunny, High Winds, 40's °F
MONITORING WELL NO.: WC-5S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:20	6.54	NA	15.18	NA	0.783	NA	-348.2	NA	1.56	NA	6.80	NA	NA	300	4.10
11:25	6.54	0.00	15.37	1.2	0.809	3.2	-349.3	1.1	0.88	77.3	2.80	142.9	1,500	300	4.00
11:30	6.54	0.00	15.60	1.5	0.822	1.6	-350.3	1.0	0.74	18.9	1.30	115.4	3,250	350	4.05
11:35	6.53	0.01	15.68	0.5	0.825	0.4	-350.6	0.3	0.81	8.6	0.65	< 1 NTU	5,000	350	4.01
11:40	6.52	0.01	15.73	0.3	0.827	0.2	-350.2	0.4	0.70	15.7	0.00	< 1 NTU	6,750	350	4.00
11:45	6.52	0.00	15.64	0.6	0.835	1.0	-351.1	0.9	0.41	70.7	0.20	< 1 NTU	8,500	350	4.00
11:50	6.53	0.01	15.74	0.6	0.832	0.4	-350.9	0.2	0.38	7.9	0.65	< 1 NTU	10,250	350	4.00
11:55	6.53	0.00	15.78	0.3	0.835	0.4	-349.5	1.4	0.55	30.9	0.20	< 1 NTU	12,000	350	4.00
12:00	6.54	0.01	15.79	0.1	0.834	0.1	-350.4	0.9	0.38	44.7	0.35	< 1 NTU	13,750	350	4.01
12:05	6.53	0.01	16.08	1.8	0.833	0.1	-349.7	0.7	0.30	26.7	0.05	< 1 NTU	15,500	350	4.01
12:10	6.55	0.02	16.20	0.7	0.833	0.0	-351.2	1.5	0.29	3.4	0.05	< 1 NTU	17,250	350	4.01
12:15	6.53	0.02	16.09	0.7	0.834	0.1	-350.9	0.3	0.27	7.4	0.15	< 1 NTU	19,000	350	4.01
12:20	6.55	0.02	16.12	0.2	0.832	0.2	-351.0	0.1	0.25	8.0	0.15	< 1 NTU	20,750	350	4.01

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Overcast, cold, breezy, 50 deg F
MONITORING WELL NO.: WC-9D2

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:20	7.06	NA	16.12	NA	170	NA	121.5	NA	3.29	NA	NA	NA	NA	450	4.58
11:25	6.46	0.60	16.20	0.5	19,549	99.1	-45.11	166.61	1.17	181.2	NA	NA	2250	450	4.66
11:30	7.02	0.56	16.12	0.5	24,686	20.8	-131.5	86.4	1.00	17.0	NA	NA	4500	450	4.66
11:35	7.07	0.05	16.05	0.4	24,699	0.1	-129.8	1.7	1.10	9.1	NA	NA	6750	450	4.66
11:40	7.11	0.04	15.93	0.8	24,692	0.0	-135.0	5.2	1.06	3.8	NA	NA	9000	450	4.66
11:45	7.15	0.04	15.94	0.1	24,683	0.0	-137.0	2.0	1.03	2.9	NA	NA	11250	450	4.66

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Overcast, cold, breezy, 50 deg F
MONITORING WELL NO.: WC-9S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:48	6.66	NA	18.3	NA	360	NA	146.3	NA	NR	NA	NA	NA	NA	450	NR
9:53	6.69	0.03	18.29	0.1	356	1.1	144.1	2.2	NR	NA	NA	NA	2250	450	NR
9:59	6.66	0.03	17.79	2.8	352	1.1	143.2	0.9	NR	NA	NA	NA	4950	250	NR
10:04	6.67	0.01	17.70	0.5	353	0.3	141.2	2	3.24	NA	NA	NA	6200	250	NR
10:09	6.68	0.01	17.78	0.4	353	0.0	140.3	0.9	3.19	1.6	NA	NA	7450	225	NR
10:14	6.68	0.00	17.59	1.1	352	0.3	140.2	0.1	3.1	2.9	NA	NA	8575	225	NR
10:19	6.67	0.01	17.53	0.3	352	0.0	140.6	0.4	3.11	0.3	NA	NA	9700	225	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) NR - Not Recorded; Water elevation could not be measured because pump apparatus blocked the water table.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Sunny, Clear, 40's
MONITORING WELL NO.: WC-10S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:56	6.96	NA	15.45	NA	0.423	NA	-320.5	NA	1.71	NA	0.0	NA	NA	400	4.52
10:01	6.99	0.03	15.66	1.3	0.430	1.6	-315.5	5.0	0.62	175.8	0.1	< 1 NTU	2,000	400	4.52
10:05	6.99	0.00	15.90	1.5	0.426	0.9	-312.6	2.9	0.57	8.8	0.0	< 1 NTU	3,600	400	4.48
10:10	6.99	0.00	15.63	1.7	0.420	1.4	-314.1	1.5	0.53	7.5	0.0	< 1 NTU	5,600	400	4.52
10:15	6.97	0.02	16.12	3.0	0.417	0.7	-313.6	0.5	0.49	8.2	0.0	< 1 NTU	7,600	400	4.50
10:20	6.97	0.00	16.78	3.9	0.412	1.2	-307.3	6.3	0.45	8.9	0.0	< 1 NTU	9,600	400	4.52
10:24	6.98	0.01	16.77	0.1	0.411	0.2	-306.0	1.3	0.44	2.3	0.0	< 1 NTU	11,200	400	4.52
10:29	6.98	0.00	16.32	2.8	0.407	1.0	-310.3	4.3	0.41	7.3	0.0	< 1 NTU	13,200	400	4.52
10:34	6.98	0.00	16.20	0.7	0.407	0.0	-314.3	4.0	0.39	5.1	0.0	< 1 NTU	15,200	400	4.52

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Cold, Sunny, 40's ° F
WEATHER: WC-12S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

TIME	pH[6] (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:00	Started pumping														
8:03	12.03	NA	19.75	NA	0.542	NA	-181.6	NA	3.54	NA	2.00	NA	975	325	NR
8:08	11.95	0.08	19.93	0.9	0.579	6.4	-139.5	42.1	6.64	46.7	0.79	< 1 NTU	2,600	325	NR
8:13	11.92	0.03	19.70	1.2	0.604	4.1	-138.7	0.8	6.06	9.6	0.55	< 1 NTU	4,225	325	NR
8:18	11.91	0.01	19.82	0.6	0.612	1.3	-138.9	0.2	5.18	17.0	0.50	< 1 NTU	5,850	325	NR
8:22	11.88	0.03	19.86	0.2	0.615	0.5	-139.7	0.8	4.66	11.2	0.10	< 1 NTU	7,150	325	NR
8:26	11.93	0.05	19.86	0.0	0.617	0.3	-140.8	1.1	4.14	12.6	0.15	< 1 NTU	8,450	325	NR
8:30	11.88	0.05	19.87	0.1	0.619	0.3	-142.0	1.2	3.65	13.4	0.15	< 1 NTU	9,750	325	NR
8:34	11.86	0.02	19.92	0.3	0.623	0.6	-143.6	1.6	3.35	9.0	0.10	< 1 NTU	11,050	325	NR
8:38	11.86	0.00	19.83	0.5	0.628	0.8	-147.5	3.9	3.04	10.2	0.30	< 1 NTU	12,350	325	NR
8:42	11.86	0.00	20.03	1.0	0.629	0.2	-147.5	0.0	2.81	8.2	0.35	< 1 NTU	13,650	325	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Not Recorded; the pump apparatus obstructed water level measurements.
6) YSI pH meter had been malfunctioning on 11/17/99. Ph is 7.0, according EMQUANT strips.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/16/1999
WEATHER: Clear, Low 40's °F
MONITORING WELL NO.: WC-13S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:30	Started Pump														
7:34	6.56	NA	13.76	NA	244	NA	287.0	NA	7.36	NA	230.0	NA	920	230	NR
7:37	6.52	-0.04	15.21	9.53	211	15.64	299.5	12.5	7.29	0.96	230.0	0.0	1,610	230	NR
7:40	6.52	0.00	15.33	0.78	200	5.50	304.5	5.0	7.36	0.95	230.0	0.00	2,300	230	NR
7:45	6.51	-0.01	15.53	1.29	194	3.09	310.3	5.8	7.48	1.60	156.0	47.4	3,450	230	NR
7:50	6.50	-0.01	15.34	1.24	191	1.57	316.2	5.9	7.58	1.32	140.0	11.43	4,600	230	NR
7:55	6.50	0.00	15.38	0.26	190	0.53	319.9	3.7	7.62	0.52	50.0	180.0	5,750	230	NR
8:00	6.50	0.00	15.21	1.12	190	0.00	323.0	3.1	7.66	0.52	24.0	108.33	6,750	200	NR
8:05	6.50	0.00	15.26	0.33	190	0.00	324.0	1.0	7.68	0.26	18.0	33.3	7,750	200	NR
8:10	6.51	0.01	15.12	0.93	189	0.53	326.0	2.0	7.66	0.26	14.0	28.57	8,750	200	NR
8:15	6.50	-0.01	15.29	1.11	188	0.53	328.2	2.2	7.66	0.00	10.0	40.0	9,750	200	NR
8:20	6.50	0.00	15.31	0.13	188	0.00	329.5	1.3	7.69	0.39	10.0	0.00	10,750	200	NR
8:25	6.50	0.00	15.29	0.13	187	0.53	331.3	1.8	7.69	0.00	6.4	56.3	11,750	200	NR
8:30	6.50	0.00	15.17	0.79	187	0.00	332.8	1.5	7.64	0.65	5.1	25.49	12,750	200	NR
8:35	6.50	0.00	15.3	0.85	187	0.00	333.6	0.8	7.65	0.13	4.5	13.3	13,750	200	NR
8:40	6.50	0.00	15.26	0.26	186	0.54	334.9	1.3	7.64	0.13	3.8	18.42	14,750	200	NR
8:46	6.49	-0.01	15.11	0.99	187	0.53	336.9	2.0	7.64	0.00	2.7	40.7	15,950	200	NN
8:52	6.50	0.01	15.31	1.31	187	0.00	337.9	1.0	7.62	0.26	2.2	22.73	17,150	200	NR
8:59	6.50	0.00	15.22	0.59	187	0.00	339.1	1.2	7.60	0.26	2.2	0.0	18,550	200	NR
9:03	6.50	0.00	15.35	0.85	186.00	0.54	340.10	1.0	7.60	0.00	2.40	8.33	19,350	200	NR
9:35	Water level after sampling														4.51

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) '*' - Unable to obtain depth to water measurment because pump was in the way.
5) NA - "Not Available"
6) Pump Screen set at 4.56 feet below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Sunny, High Winds, 40's
MONITORING WELL NO.: MW-19D1

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:23	Started pumping														
10:26	11.95	NA	14.78	NA	3.939	NA	-308.5	NA	2.31	NA	4.00	NA	660	220	3.99
10:31	11.93	0.02	14.71	0.5	4.961	20.6	-311.5	3.0	0.81	185.2	16.00	75.0	1,910	250	4.01
10:36	11.91	0.02	14.64	0.5	5.378	7.8	-323.6	12.1	0.52	55.8	38.50	58.4	3,160	250	4.01
10:41	11.89	0.02	14.66	0.1	5.459	1.5	-330.9	7.3	0.45	15.6	51.30	25.0	4,410	250	4.00
10:46	11.88	0.01	14.56	0.7	5.488	0.5	-333.7	2.8	0.40	12.5	43.80	17.1	5,760	270	4.00
10:51	11.88	0.00	14.73	1.2	5.500	0.2	-335.3	1.6	0.37	8.1	39.70	10.3	7,110	270	4.00
10:56	11.88	0.00	14.58	1.0	5.505	0.1	-338.2	2.9	0.35	5.7	36.20	9.7	8,460	270	4.01
11:00	11.88	0.00	14.56	0.1	5.504	0.0	-338.1	0.1	0.33	6.1	37.60	3.7	9,540	270	4.01

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) YSI unit's pH meter had been malfunctioning on 11/17/99.
6) Hnu headspace reading = 1.2 ppm

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Sunny, Cold 40's, slight wind
MONITORING WELL NO.: WC-19S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:39	11.54	NA	18.63	NA	0.539	NA	-90.2	NA	0.43	NA	1.19	NA	1,530	510	NR
11:44	11.57	0.03	18.70	0.37	0.590	8.64	-180.5	90.3	0.37	16.22	0.71	< 1 NTU	3,030	300	NR
11:47	11.58	0.01	18.69	0.1	0.623	5.3	-198.5	18.0	0.37	0.0	0.45	< 1 NTU	4,080	350	NR
11:50	11.58	0.00	18.73	0.21	0.638	2.35	-208.9	10.4	0.36	2.78	0.93	< 1 NTU	5,130	350	NR
11:53	11.59	0.01	18.82	0.5	0.644	0.9	-214.6	5.7	0.35	2.9	0.22	< 1 NTU	6,180	350	NR
11:56	11.58	0.01	18.77	0.27	0.651	1.08	-217.7	3.1	0.34	2.94	0.18	< 1 NTU	7,230	350	NR
11:59	11.58	0.00	18.81	0.2	0.653	0.3	-221.4	3.7	0.34	0.0	0.11	< 1 NTU	8,280	350	NR
12:20	Water depth after sampling														4.33

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Not Recorded; the water level could not measured because the pump is obstructing the well.
6) YSI pH meter had been malfunctioning on 11/17/99.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/09/1999
WEATHER: Cloudy, mid 50s °F
MONITORING WELL NO.: WC-20D1

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:18	7.04	NA	14.6	NA	713	NA	178.4	NA	6.99	NA	4.70	NA	NA	400	4.05
8:22	7.06	0.02	15.72	7.12	3,673	80.59	7.8	170.60	2.22	214.86	7.42	36.7	1,200	400	4.05
8:25	7.06	0.00	15.49	1.48	4,484	18.09	19.9	12.10	2.99	25.75	5.52	34.4	2,800	400	4.05
8:30	7.07	0.01	15.47	0.13	4,623	3.01	43.8	23.90	1.94	54.12	4.7	17.4	4,000	400	4.05
8:35	7.09	0.02	15.24	1.51	4,703	1.70	55.3	11.50	1.43	35.66	3.45	36.2	6,000	400	4.05
8:40	7.10	0.01	15.29	0.33	4,730	0.57	57.5	2.20	0.86	66.28	2.35	46.8	8,000	400	4.05
8:45	7.10	0.00	15.32	0.20	4,743	0.27	63.8	6.30	0.67	28.36	1.94	21.1	10,000	400	4.10
8:50	7.10	0.00	15.44	0.78	4,730	0.27	73.2	9.40	0.54	24.07	1.62	19.8	12,000	400	4.1
8:55	7.11	0.01	15.23	1.38	4,754	0.50	77.1	3.90	0.48	12.50	1.58	2.5	14,000	400	4.1
9:00	7.11	0.00	15.31	0.52	4,757	0.06	81.4	4.30	0.38	26.32	1.46	8.2	16,000	400	4.1
9:05	7.11	0.00	15.35	0.26	4,794	0.77	86.5	5.10	0.35	8.57	1.60	8.8	18,000	400	4.1
9:10	7.11	0.00	15.42	0.45	4,797	0.06	87.7	1.20	0.37	5.41	1.55	3.2	20,000	400	4.1
9:15	7.11	0.00	15.35	0.46	4,785	0.25	84.4	3.30	0.35	5.71	1.61	3.7	22,000	400	4.1

Notes:
1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/09/1999
WEATHER: Cloudy, High 50s °F
MONITORING WELL NO.: WC-20D2

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: S. Vallianos, R. Colon

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:15	9.6	NA	16.58	NA	11,865	NA	113.7	NA	2.13	NA	28	NA	NA	330	5.37
12:20	7.02	2.58	16.26	1.97	22,895	48.2	142.4	28.7	0.51	317.6	6.8	311.8	1,650	330	5.37
12:25	6.93	0.09	16.17	0.6	23,492	2.5	137.9	4.5	0.32	59.4	2.9	134.5	3,300	325	5.37
12:30	6.91	0.02	16.13	0.25	23,495	0.0	136.3	1.6	0.33	3.0	2.5	16.0	4,925	330	5.37
12:35	6.89	0.02	16.08	0.3	23,507	0.1	135.3	1.0	0.35	5.7	1.6	56.3	6,575	330	5.37
12:40	6.88	0.01	15.97	0.69	23,518	0.0	134.3	1.0	0.26	34.6	1.2	33.3	8,225	330	5.37
12:45	6.87	0.01	15.99	0.1	23,541	0.1	133.8	0.5	0.39	33.3	0.69	73.9	9,875	330	5.37
12:50	6.86	0.01	15.99	0.00	23,530	0.0	133.5	0.3	0.26	50.0	1.2	42.5	11,525	330	5.37
12:53	6.86	0.00	15.97	0.1	23,550	0.1	133.6	0.1	0.24	8.3	0.9	<1 NTU	12,515	330	5.37
12:56	6.86	0.00	15.92	0.31	23,537	0.1	133.7	0.1	0.24	0.0	0.7	<1 NTU	13,505	330	5.37

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/09/1999
WEATHER: Partly cloudy, mid 50s °F
MONITORING WELL NO.: WC-20S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colon, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:45	6.32	NA	18.70	NA	573	NA	235.8	NA	0.96	NA	1.55	NA	NA	325	5.04
10:50	6.28	0.04	18.8	0.5	566	1.2	233.6	2.2	0.74	29.7	1.16	33.6	1,625	260	5.04
10:55	6.25	0.03	18.89	0.5	569	0.5	228.3	5.3	0.50	48.0	0.72	<1 NTU	2,925	400	5.04
11:00	6.25	0.00	18.88	0.1	563	1.1	221.3	7.0	0.41	22.0	0.32	<1 NTU	4,925	400	5.04
11:05	6.26	0.01	18.92	0.2	561	0.4	209.3	12.0	0.40	2.5	0.80	<1 NTU	6,925	400	5.04
11:10	6.26	0.00	18.7	1.2	552	1.6	201.2	8.1	0.31	29.0	0.65	<1 NTU	8,925	400	5.04
11:15	6.26	0.00	18.75	0.3	549	0.5	195.8	5.4	0.30	3.3	0.40	<1 NTU	10,925	400	5.04
11:18	6.25	0.01	18.67	0.4	546	0.5	192.3	3.5	0.27	11.1	0.30	<1 NTU	12,125	400	5.04
11:21	6.24	0.01	18.71	0.2	544	0.4	188.2	4.1	0.27	0.0	0.45	<1 NTU	13,325	400	5.04
11:24	6.24	0.00	18.7	0.1	542	0.4	184.7	3.5	0.26	3.8	0.30	<1 NTU	14,525	400	5.04

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Cloudy, Low 60s
MONITORING WELL NO.: WC-21D1

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: S. Vallianos, R. Colon

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:50	Started pump														5.02
8:55	9.63	NA	16.23	NA	310	NA	61.0	NA	6.48	NA	28.0	NA	1,200	240	5.08
9:00	9.46	0.17	16.28	0.3	3,010	89.7	52.2	8.8	2.60	149.2	22	27.3	2,625	285	5.07
9:05	8.11	1.35	15.86	2.65	5,075	40.7	-146.3	198.5	0.86	202.3	20.0	10.0	4,075	290	5.08
9:10	7.45	0.66	15.78	0.5	5,340	5.0	-135.4	10.9	0.61	41.0	10	100.0	5,525	290	5.08
9:15	7.31	0.14	15.80	0.13	5,571	4.1	-123.5	11.9	0.58	5.2	9.5	5.3	6,975	290	5.09
9:20	7.25	0.06	15.86	0.4	5,671	1.8	-118.4	5.1	0.49	18.4	9.5	0.0	8,425	290	5.10
9:25	7.21	0.04	15.87	0.06	5,751	1.4	-114.6	3.8	0.44	11.4	6.5	46.2	9,875	290	5.10
9:30	7.18	0.03	15.81	0.4	5,817	1.1	-112.4	2.2	0.36	22.2	5.8	12.1	11,325	290	5.10
9:35	7.15	0.03	15.80	0.06	5,870	0.9	-111.3	1.1	0.34	5.9	4.0	45.0	12,775	290	5.10
9:40	7.13	0.02	15.84	0.3	5,918	0.8	-111.4	0.1	0.32	6.3	3.9	2.6	14,225	290	5.10
9:43	7.13	0.00	15.8	0.25	5,939	0.4	-111.6	0.2	0.30	6.7	3.0	30.0	15,095	290	5.11
9:46	7.12	0.01	15.63	1.1	5,979	0.7	-111.5	0.1	0.28	7.1	2.7	11.1	16,025	310	5.10
9:50	7.11	0.01	15.61	0.13	5,985	0.1	-112.1	0.6	0.28	0.0	0.9	< 1 NTU	17,265	310	5.10
9:53	7.11	0.00	15.71	0.6	5,982	0.1	-112.3	0.2	0.28	0.0	0.75	< 1 NTU	18,195	310	5.10
10:33	Depth to water after collecting sample well and retrieving pump														5.04

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump screen was set 35.5 feet below top of riser.
6) NR - "Not Recorded"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Clear: Mid 60's
MONITORING WELL NO.: WC-21D2

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: S. Vallianos, R. Colon

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:55	Started pump														5.10
11:00	12.53	NA	16.55	NA	2,442	NA	-120.5	NA	1.87	NA	14.0	NA	1,650	330	5.10
11:05	7.80	4.73	15.52	6.6	21,875	88.8	-254.8	134.3	0.49	281.6	1.3	976.9	3,350	340	5.10
11:10	6.99	0.81	15.50	0.1	23,705	7.7	-181.0	73.8	0.50	2.0	1.7	23.5	5,050	340	5.10
11:15	6.78	0.21	15.49	0.1	23,758	0.2	-146.3	34.7	0.38	31.6	0.7	<1 NTU	6,750	340	5.10
11:20	6.69	0.09	15.55	0.4	23,705	0.2	-133.2	13.1	0.35	8.6	0.4	<1 NTU	8,450	340	5.08
11:25	6.65	0.04	15.42	0.8	23,616	0.4	-126.1	7.1	0.30	16.7	0.15	<1 NTU	10,150	340	5.08
11:30	6.64	0.01	15.26	1.0	23,566	0.2	-122.8	3.3	0.28	7.1	0.30	<1 NTU	11,850	340	5.07
11:35	6.62	0.02	15.17	0.6	23,500	0.3	-119.6	3.2	0.27	3.7	0.20	<1 NTU	13,550	340	5.09
11:40	6.62	0.00	15.20	0.2	23,458	0.2	-117.3	2.3	0.25	8.0	0.05	<1 NTU	15,250	340	5.09
11:45	6.61	0.01	15.29	0.6	23,434	0.1	-116.3	1.0	0.25	0.0	0.10	<1 NTU	16,950	340	5.09
12:50	Water level after sampling														5.02

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) Pump Screen was set to 142' below top of riser.
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Cloudy, High 60s °F
MONITORING WELL NO.: WC-21S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: S. Vallianos, R. Colon

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:44	6.78	NA	17.77	NA	414	NA	-44.5	NA	4.95	NA	5.7	NA	NA	380	NR
7:50	6.58	0.20	17.78	0.1	340	21.8	-117.8	73.3	0.93	432.3	2.0	185.0	2,280	380	NR
7:55	6.56	0.02	17.79	0.1	337	0.9	-122.8	5.0	0.49	89.8	1.9	5.3	4,180	380	NR
8:00	6.52	0.04	17.80	0.1	327	3.1	-128.5	5.7	0.36	36.1	1.9	0.0	6,080	380	NR
8:05	6.49	0.03	17.81	0.1	322	1.6	-131.9	3.4	0.33	9.1	1.6	18.8	7,980	380	NR
8:08	6.47	0.02	17.81	0.0	319	0.9	-133.5	1.6	0.31	6.5	1.1	45.5	9,120	380	NR
8:11	6.47	0.00	17.84	0.2	320	0.3	-134.5	1.0	0.30	3.3	1.2	8.3	10,260	380	NR
8:14	6.47	0.00	17.83	0.1	321	0.3	-135.6	1.1	0.32	6.3	1.0	≤ 1 NTU	11,400	380	NR
8:40	Depth to water after retrieving pump														5.07

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) ** - signifies that the water level measurements could not be obtained because pump obstructed a path towards the water.
3) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
4) ft bgs - means "feet below ground surface".
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Cloudy, Low 60s °F
MONITORING WELL NO.: WC2-2D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:20	5.93	NA	16.07	NA	21,111	NA	-56.0	NA	1.95	NA	15.9	NA	NA	250	6.24
7:25	6.41	0.48	16.27	1.23	26,931	21.61	-98.7	42.7	1.33	46.62	13.0	22.3	1,950	390	6.25
7:30	6.60	0.19	16.2	0.43	27,081	0.55	-107.7	9.0	1.58	15.8	12.8	1.6	3,950	400	6.25
7:35	6.68	0.08	16.15	0.31	27,029	0.19	-108.8	1.1	1.90	16.84	8.05	59.0	5,950	400	6.22
7:40	6.74	0.06	16.14	0.06	26,988	0.15	-105.4	3.4	2.18	12.8	6.63	21.4	7,950	400	6.20
7:45	6.76	0.02	16.14	0.00	26,969	0.07	-104.6	0.8	2.26	3.54	4.53	46.4	9,875	385	6.20
7:50	6.79	0.03	16.13	0.06	26,952	0.06	-106.0	1.4	2.48	8.9	4.20	7.9	11,825	390	6.20
7:55	6.8	0.01	16.13	0.00	26,938	0.05	-106.7	0.7	2.52	1.59	2.41	74.3	13,750	385	6.20
8:00	6.83	0.03	16.12	0.06	26,925	0.05	-106.9	0.2	2.71	7.0	2.07	16.4	15,700	390	6.15
8:05	6.83	0.00	16.12	0.00	26,922	0.01	-104.6	2.3	2.64	2.65	1.42	45.8	17,650	390	6.15
8:10	6.83	0.00	16.13	0.06	26,919	0.01	-105.2	0.6	2.74	3.6	1.77	19.8	19,625	395	6.13
8:15	6.83	0.00	16.14	0.06	26,915	0.01	-104.2	1.0	2.74	0.00	0.96	84.4	21,600	395	6.09
8:20	6.83	0.00	16.13	0.06	26,914	0.00	-105.0	0.8	2.75	0.4	1.19	19.3	23,575	395	6.05
8:25	6.85	0.02	16.14	0.06	26,914	0.00	-105.0	0.0	2.85	3.51	0.82	< 1 NTU	25,550	395	6.05
8:30	6.84	0.01	16.14	0.00	26,912	0.01	-105.9	0.9	2.83	0.7	0.64	< 1 NTU	27,525	395	6.05
8:35	6.84	0.00	16.13	0.06	26,913	0.00	-106.1	0.2	2.76	2.54	0.35	< 1 NTU	29,500	395	6.05

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump screen was set 35.5 feet below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Cloudy, Cold 45 degrees F.
MONITORING WELL NO.: WC2-2I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: P. Reynolds and B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
12:35	7.18	NA	13.96	NA	1,228	NA	-318.6	NA	2.59	NA	21.4	NA	2,565	285	4.18
12:40	7.02	0.16	14.88	6.2	1,290	4.8	-319.7	1.1	1.63	58.9	20.6	3.9	4,115	310	4.23
12:45	7.01	0.01	14.83	0.3	1,307	1.3	-319.5	0.2	1.23	32.5	17.1	20.5	5,815	340	4.22
12:50	7.01	0.00	14.79	0.3	1,322	1.1	-318.4	1.1	1.00	23.0	17.7	3.4	7,515	340	4.22
12:55	6.99	0.02	14.74	0.3	1,328	0.5	-318.6	0.2	0.88	13.6	16.0	10.6	9,215	340	4.22
13:00	6.99	0.00	14.74	0.0	1,345	1.3	-317.9	0.7	0.57	54.4	18.2	12.1	10,915	340	4.23
13:05	6.99	0.00	14.70	0.3	1,362	1.2	-318.1	0.2	0.54	5.6	26.0	30.0	12,615	340	4.23
13:10	6.99	0.00	14.68	0.1	1,390	2.0	-317.0	1.1	0.40	35.0	27.4	5.1	14,315	340	4.23

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Partly Cloudy, Low 40's °F
MONITORING WELL NO.: WC2-3D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, E. Hastings

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:55	Started pump													--	5.62
8:04	6.89	NA	9.00	NA	7,733	NA	227.5	NA	3.04	NA	2.10	NA	3,420	380	5.51
8:10	6.55	0.34	12.69	29.1	19,037	59.4	52.2	175.3	1.04	192.3	2.70	22.2	5,700	380	5.50
8:15	6.55	0.00	13.45	5.7	19,021	0.1	51.3	0.9	0.79	31.6	2.40	12.5	7,600	380	5.50
8:20	6.55	0.00	12.56	7.1	19,050	0.2	50.1	1.2	0.58	36.2	0.50	< 1 NTU	9,500	380	5.50
8:25	6.55	0.00	12.51	0.4	19,049	0.0	49.5	0.6	0.6	3.3	0.15	< 1 NTU	11,400	380	5.50
8:30	6.55	0.00	12.46	0.4	19,086	0.2	46.9	2.6	0.56	7.1	0.00	< 1 NTU	13,300	380	5.50
8:34	6.56	0.01	12.37	0.7	19,087	0.0	46.4	0.5	0.56	0.0	0.00	< 1 NTU	14,820	380	5.50
9:17	Water level after sampling														5.38

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Set pump screen 80 feet below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Clear, Mid 40's °F
MONITORING WELL NO.: WC2-3I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:35	Started pump														3.91
9:40	6.89	NA	11.24	NA	6,777	NA	49.3	NA	4.16	NA	3.70	NA	1,600	320	3.97
9:45	6.56	0.33	13.16	14.6	11,573	41.4	39.8	9.5	1.74	139.1	3.80	2.6	3,200	320	3.97
9:50	6.50	0.06	13.46	2.2	12,329	6.1	43.3	3.5	0.84	107.1	4.40	13.6	4,800	320	3.97
9:55	6.49	0.01	13.55	0.7	12,363	0.3	34.2	9.1	0.66	27.3	4.30	2.3	6,400	320	3.95
10:00	6.50	0.00	13.58	0.2	12,338	0.2	30.7	3.5	0.63	4.8	3.10	41.9	8,000	320	3.91
10:05	6.50	0.00	13.61	0.2	12,320	0.1	27.4	3.3	0.57	10.5	2.20	40.9	9,600	320	3.91
10:10	6.50	0.00	13.68	0.5	12,301	0.2	25.5	1.9	0.54	5.6	1.50	46.7	11,200	320	3.89
10:15	6.50	0.00	13.66	0.1	12,276	0.2	23.1	2.4	0.51	5.9	0.85	76.5	12,800	320	3.88
10:20	6.50	0.00	13.62	0.3	12,263	0.1	21.8	1.3	0.5	2.0	0.45	88.9	14,400	320	3.87
10:25	6.50	0.00	13.60	0.1	12,249	0.1	20.9	0.9	0.51	2.0	0.65	30.8	16,000	320	3.88
11:00	Water level after sampling														3.67

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Set pump screen 49 feet below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/12/1999
WEATHER: Cloudy, Cold 45 degrees F.
MONITORING WELL NO.: WC2-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: P. Reynolds and B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:50	6.86	NA	12.16	NA	12.45	NA	-306.9	NA	0.54	NA	2.9	NA	2,250	250	NR
10:55	6.83	0.03	13.63	10.8	12.44	0.1	-307.5	0.6	0.22	145.5	2.0	45.0	3,500	250	NR
11:00	6.82	0.01	14.32	4.8	12.53	0.7	-307.1	0.4	0.26	15.4	1.5	33.3	5,300	360	NR
11:05	6.80	0.02	14.45	0.9	12.68	1.2	-307.8	0.7	0.16	62.5	1.6	6.3	7,100	360	NR
11:10	6.79	0.01	14.52	0.5	12.80	0.9	-308.2	0.4	0.15	6.7	0.9	< 1 NTU	8,900	360	NR
11:15	6.79	0.00	14.57	0.3	12.98	1.4	-310.5	2.3	0.12	25.0	0.8	< 1 NTU	10,800	380	NR
11:20	6.78	0.01	14.53	0.3	13.22	1.8	-310.5	0.0	0.11	9.1	0.6	< 1 NTU	12,700	380	NR
11:25	6.78	0.00	14.56	0.2	13.46	1.8	-310.1	0.4	0.10	10.0	0.4	< 1 NTU	14,600	380	NR
11:30	6.78	0.00	14.53	0.2	132.64	89.9	-309.8	0.3	0.10	0.0	0.4	< 1 NTU	16,500	380	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Pump obstruction, water level can not be measured

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Clear, Low 40s
MONITORING WELL NO.: WC2-4I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:09	Started pump														4.92
0.3	6.96	NA	11.77	NA	1,076	NA	106.0	NA	2.49	NA	35.0	NA	1,920	320	4.93
8:20	7.01	0.05	14.68	19.8	1,791	39.9	-79.6	185.6	0.79	215.2	6.3	455.6	3,420	300	4.93
8:25	7.02	0.01	14.51	1.2	1,799	0.44	-89.0	9.4	0.76	3.9	4.1	53.7	4,920	300	4.93
8:30	7.03	0.01	14.56	0.3	1,788	0.6	-90.0	1.0	0.61	24.6	3.7	< 1 NTU	6,420	300	4.93
8:35	7.03	0.00	14.62	0.4	1,788	0.00	-92.5	2.5	0.48	27.1	3.2	< 1 NTU	7,920	300	4.95
8:40	7.04	0.01	14.55	0.5	1,785	0.2	-93.0	0.5	0.44	9.1	2.8	< 1 NTU	9,420	300	4.95
8:45	7.04	0.00	14.46	0.6	1,785	0.00	-94.0	1.0	0.36	22.2	2.7	< 1 NTU	10,920	300	4.96
8:50	7.04	0.00	14.44	0.1	1,787	0.1	-94.8	0.8	0.33	9.1	2.7	< 1 NTU	12,420	300	4.96
8:53	7.04	0.00	14.43	0.1	1,786	0.06	-95.0	0.2	0.32	3.1	2.7	< 1 NTU	13,320	300	4.96
8:56	7.04	0.00	14.71	1.9	1,785	0.1	-96.0	1.0	0.31	3.2	2.7	< 1 NTU	14,220	300	4.96
9:35	Water level after sampling														4.96

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump screen was set at 30' below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Clear, Mid '40s °F
MONITORING WELL NO.: WC2-4S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:05	Started pump														NR
10:07	7.16	NA	16.39	NA	228.0	NA	216.6	NA	3.82	NA	0.0	NA	740	370	NR
10:15	7.06	0.10	17.00	3.6	225.3	1.2	224.4	7.8	3.02	26.5	0.0	< 1 NTU	3,460	340	NR
10:20	7.02	0.04	17.10	0.6	221.0	1.9	232.1	7.7	2.73	10.6	0.0	< 1 NTU	5,160	340	NR
10:25	7.01	0.01	17.02	0.5	NR	NA	239.8	7.7	2.59	5.4	0.0	< 1 NTU	6,860	340	NR
10:30	7.01	0.00	17.06	0.2	218.0	NA	243.2	3.4	2.43	6.6	0.0	< 1 NTU	8,560	340	NR
10:33	7.01	0.00	17.06	0.0	218.0	0.0	245.0	1.8	2.43	0.0	0.0	< 1 NTU	9,580	340	NR
10:36	7.01	0.00	17.08	0.1	218.0	0.0	247.1	2.1	2.39	1.7	0.0	< 1 NTU	10,600	340	NR
11:00	Water level after sampling and retrieving pump														5.23

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) NR - Not Recorded; the pump apparatus blocked water level measurements

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Windy, Cold, 40s, Sunny
MONITORING WELL NO.: WC2-5I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Goulstone, P. Reynolds

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:29	Started pumping														
8:39	7.00	NA	12.47	NA	14.07	NA	-369.4	NA	0.66	NA	53.0	NA	2,500	250	7.58
8:44	6.98	0.02	13.82	9.8	19.89	29.3	-372.9	3.5	2.60	74.6	800.0	93.4	4,250	350	7.56
8:49	6.97	0.01	13.71	0.8	20.34	2.2	-373.8	0.9	0.19	1268.4	150.0	433.3	6,000	350	7.55
8:54	6.97	0.00	13.69	0.1	20.49	0.7	-373.9	0.1	0.18	5.6	130.0	15.4	7,850	370	7.66
8:59	6.98	0.01	13.75	0.4	20.57	0.4	-373.9	0.0	0.18	0.0	130.0	0.0	9,700	370	7.68
9:04	6.97	0.01	13.72	0.2	20.63	0.3	-374.5	0.6	0.16	12.5	120.0	8.3	11,500	360	7.60
9:09	6.97	0.00	14.00	2.0	20.68	0.2	-375.0	0.5	0.16	0.0	110.0	9.1	13,300	360	7.50
9:14	6.97	0.00	14.09	0.6	20.75	0.3	-374.8	0.2	0.16	0.0	85.0	29.4	14,800	300	7.52
9:19	6.96	0.01	13.66	3.1	20.79	0.2	-375.5	0.7	0.15	6.7	70.0	21.4	16,400	320	7.65
9:24	6.96	0.00	14.08	3.0	20.79	0.2	-375.8	0.3	0.14	7.1	60.0	16.7	18,000	320	7.65
9:29	6.96	0.00	13.7	2.8	20.86	0.3	-375.5	0.3	0.14	0.0	55.0	9.1	19,600	320	7.70
9:34	6.96	0.00	14.06	2.6	20.84	0.2	-376.5	1.0	0.14	0.0	45.0	22.2	21,200	320	7.60
9:39	6.95	0.01	13.97	0.6	20.89	0.2	-377.4	0.9	0.14	0.0	36.0	25.0	22,810	322	7.55
9:44	6.95	0.00	14.10	0.9	20.91	0.3	-377.1	0.3	0.14	0.0	36.0	0.0	24,410	320	7.54
9:49	6.95	0.00	14.12	0.1	20.93	0.1	-378.0	0.9	0.14	0.0	37.0	2.7	26,010	320	7.54
9:54	6.95	0.00	13.91	1.5	20.95	0.2	-377.4	0.6	0.14	0.0	34.0	8.8	27,610	320	7.05

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/10/1999
WEATHER: Clear, 60s
MONITORING WELL NO.: WC2-5S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:40	7.27	NA	18.98	NA	430	NA	50.9	NA	1.44	NA	1.94	NA	NA	375	NR
9:50	6.92	0.35	19.13	0.78	425	1.18	64.4	13.5	0.64	125.0	0.0	< 1 NTU	3,150	315	NR
9:55	6.78	0.14	19.00	0.68	410	3.66	68.6	4.2	0.78	17.9	0	< 1 NTU	4,700	310	NR
10:00	6.67	0.11	19.05	0.26	397	3.27	75.2	6.6	1.00	22.0	0.00	< 1 NTU	6,250	310	NR
10:05	6.62	0.05	19.00	0.26	393	1.02	78.3	3.1	0.96	4.2	0	< 1 NTU	8,000	350	NR
10:10	6.60	0.02	19.00	0.00	391	0.51	79.4	1.1	1.03	6.8	0.00	< 1 NTU	9,775	355	NR
10:15	6.58	0.02	18.98	0.11	389	0.51	78.8	0.6	1.02	1.0	0.00	< 1 NTU	11,525	350	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
4) NA - "Not Available"
5) NR - Not Recorded; the pump apparatus blocked water level measurements

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/15/1999
WEATHER: Clear, V. Windy, Mid 40's °F
MONITORING WELL NO.: WC2-6I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
11:15	Started purging														4.82
11:21	6.75	NA	13.41	NA	5,683	NA	298.3	NA	2.48	NA	11.0	NA	2,040	340	4.82
11:25	6.49	0.26	15.53	13.7	13,011	56.3	103.8	194.5	0.95	161.1	55.0	80.0	3,400	340	4.82
11:30	6.46	0.03	15.14	2.6	13,380	2.8	51.1	52.7	0.90	5.6	27.0	103.7	5,100	340	4.81
11:35	6.46	0.00	15.17	0.2	13,463	0.6	36.1	15.0	0.75	20.0	14.0	92.9	6,800	340	4.80
11:40	6.47	0.01	15.01	1.1	13,526	0.5	25.6	10.5	0.80	6.3	6.5	115.4	8,500	340	4.78
11:45	6.48	0.01	15.35	2.2	13,622	0.7	16.6	9.0	0.93	14.0	6.0	8.3	10,200	340	4.77
11:50	6.49	0.01	15.57	1.4	13,695	0.5	12.6	4.0	0.72	29.2	3.0	100.0	11,900	340	4.75
11:55	6.49	0.00	15.61	0.3	13,729	0.2	8.8	3.8	0.76	5.3	3.9	23.1	13,600	340	4.74
12:00	6.50	0.01	15.74	0.8	13,769	0.3	6.5	2.3	0.75	1.3	1.6	143.8	15,300	340	4.73
12:05	6.50	0.00	15.64	0.6	13,799	0.2	4.9	1.6	0.71	5.6	2.0	20.0	17,000	340	4.77
12:10	6.50	0.00	15.32	2.1	13,841	0.5	3.4	1.5	0.58	22.4	1.4	42.9	18,700	340	4.77
12:15	6.50	0.00	15.47	1.0	13,846	0.0	2.6	0.8	0.61	4.9	1.1	27.3	20,400	340	4.71
12:20	6.50	0.00	15.59	0.8	13,870	0.2	1.8	0.8	0.60	1.7	0.8	< 1 NTU	22,100	340	4.70
12:23	6.50	0.00	15.43	1.0	13,879	0.1	1.2	0.6	0.64	6.3	0.5	< 1 NTU	23,120	340	4.70
13:05	Water level after sampling														4.60

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump set at 45' below top of riser.

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/18/1999
WEATHER: Clear, Low 40's, Windy
MONITORING WELL NO.: WC3-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: P. Reynolds, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
7:55	Started pumping														3.54
8:03	6.26	NA	14.85	NA	19,412	NA	-377.7	NA	0.77	NA	450.00	NA	1,840	230	3.54
8:10	6.27	0.01	14.80	0.3	20,385	4.8	-412.1	34.4	0.47	63.8	170.00	164.7	3,310	210	4.18
8:15	6.27	0.00	14.87	0.5	20,841	2.2	-410.9	1.2	0.31	51.6	31.00	448.4	4,360	210	4.54
8:20	6.28	0.01	14.83	0.3	21,010	0.8	-403.7	7.2	0.31	0.0	18.00	72.2	4,510	30	4.01
8:25	6.28	0.00	14.82	0.1	21,139	0.6	-393.9	9.8	0.23	34.8	11.00	63.6	5,110	120	3.94
8:30	6.28	0.00	14.78	0.3	20,935	1.0	-387.3	6.6	2.29	90.0	12.00	8.3	5,610	100	3.95
8:35	6.28	0.00	14.69	0.6	21,124	0.9	-387.4	0.1	2.32	1.3	9.90	21.2	6,110	100	3.95
8:40	6.29	0.01	14.61	0.5	21,086	0.2	-380.5	6.9	2.02	14.9	11.00	10.0	6,610	100	4.10
8:45	6.29	0.00	14.54	0.5	21,083	0.0	-364.5	16	1.85	9.2	8.60	27.9	7,110	100	4.01
8:50	6.29	0.00	14.58	0.3	21,025	0.3	-356.7	7.8	1.88	1.6	8.20	4.9	7,610	100	3.98
8:55	6.29	0.00	14.57	0.1	21,088	0.3	-353.2	3.5	1.83	2.7	7.80	5.1	8,110	100	3.98
9:00	6.29	0.00	14.75	1.2	21,057	0.1	-337.4	15.8	2.00	8.5	3.60	116.7	8,610	100	3.95
9:05	6.29	0.00	14.72	0.2	21,056	0.0	-327.2	10.2	2.07	3.4	3.80	5.3	9,110	100	3.93
9:10	6.29	0.00	14.45	1.9	21,040	0.1	-311.3	15.9	1.92	7.8	3.10	22.6	9,610	100	3.92
9:15	6.29	0.00	14.45	0.0	21,035	0.0	-288.6	22.7	2.03	5.4	2.70	14.8	10,110	100	3.91
9:20	6.30	0.01	14.49	0.3	21,028	0.0	-296.7	8.1	2.12	4.2	2.70	0.0	10,610	100	3.91
9:25	6.30	0.00	14.49	0.0	21,017	0.1	-297.0	0.3	2.17	2.3	2.70	0.0	11,110	100	3.92
9:35	6.30	0.00	14.50	0.1	20,986	0.1	-290.0	7.0	2.21	1.8	2.80	3.6	12,110	100	3.92
9:45	Water level after sampling														3.92

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) Pump Screen set at 35 feet below top of riser.
6) Pid readings = 91.0 ppm over well cap

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Clear, Low 40's, Windy
MONITORING WELL NO.: WC3-1I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity[6] (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
13:28	Started pump														3.54
13:35	7.98	NA	14.58	NA	2,885	NA	-85.2	NA	4.81	NA	58.20	NA	1,610	230	3.54
13:40	7.06	-0.92	15.84	8.0	2,859	0.91	-358.2	273.0	5.41	11.1	999.00	94.2	2,660	210	4.18
13:45	6.92	-0.14	15.82	0.1	2,886	0.94	-576.6	218.4	5.88	8.0	599.00	66.78	3,710	210	4.54
13:50	6.89	-0.03	15.47	2.3	2,849	1.30	-540.6	36.0	5.29	11.2	623.00	3.9	3,860	30	4.01
13:55	6.89	0.00	14.44	7.1	2,836	0.46	-459.6	81	5.12	3.3	NA	NA	4,460	120	3.94
14:00	6.87	-0.02	14.23	1.5	2,847	0.39	-468.0	8.4	4.98	2.8	NA	NA	4,960	100	3.95
14:05	6.84	-0.03	13.78	3.3	2,855	0.28	-491.3	23.3	3.93	26.7	NA	NA	5,460	100	3.95
14:10	6.84	0.00	13.85	0.5	2,855	0.00	-509.3	18.0	3.79	3.7	NA	NA	5,960	100	4.10
14:15	6.85	0.01	14.07	1.6	2,775	2.88	-527.6	18.3	3.24	17.0	NA	NA	6,460	100	4.01
14:20	6.84	-0.01	13.88	1.4	2,796	0.75	-533.6	6.0	2.87	12.9	NA	NA	6,960	100	3.98
14:25	6.83	-0.01	14.14	1.8	2,827	1.10	-533.0	0.6	2.26	27.0	NA	NA	7,460	100	3.98
14:30	6.82	-0.01	14.10	0.3	2,829	0.07	-524.8	8.2	2.14	5.6	NA	NA	7,960	100	3.95
14:35	6.81	-0.01	13.64	3.4	2,840	0.39	-522.8	2	1.78	20.2	NA	NA	8,460	100	3.93
14:40	6.80	-0.01	13.36	2.1	2,841	0.04	-535.1	12.3	1.50	18.7	NA	NA	8,960	100	3.92
14:45	6.79	-0.01	12.96	3.1	2,842	0.04	-529.6	5.5	1.20	25.0	NA	NA	9,460	100	3.91
14:50	6.79	0.00	12.83	1.0	2,843	0.04	-521.8	7.8	1.09	10.1	NA	NA	9,960	100	3.91
14:55	6.79	0.00	12.94	0.9	2,843	0.00	-541.7	19.9	0.91	19.8	NA	NA	10,460	100	3.92
15:00	6.78	-0.01	13.32	2.9	2,848	0.18	-533.8	7.9	0.87	4.6	NA	NA	10,960	100	3.92
15:03	6.78	0.00	13.52	1.5	2,850	0.07	-533.1	0.7	0.81	7.4	NA	NA	11,260	100	3.92
15:06	6.78	0.00	14.79	8.6	12,327	76.88	-588.3	55.2	0.17	376.5	NA	NA	11,560	100	3.95
15:10	6.78	0.00	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	11,960	100	3.95
15:15	6.77	-0.01	14.79	0.1	12,327	0.04	-588.3	0.2	0.17	0.0	NA	NA	12,460	100	3.95
15:20	Cleaned flow-through cell without stopping purging activities														
15:30	6.80	0.03	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	14,410	130	3.94
15:40	6.77	-0.03	14.79	0.1	12,327	0.04	-588.3	0.2	0.17	0.0	NA	NA	15,710	130	3.94
15:50	6.76	-0.01	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	17,010	130	3.94
15:55	6.75	-0.01	14.79	0.1	12,327	0.04	-588.3	0.2	0.17	0.0	NA	NA	17,660	130	4.40
16:00	6.77	0.02	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	18,310	130	4.05
16:10	6.76	-0.01	14.79	0.1	12,327	0.04	-588.3	0.2	0.17	0.0	NA	NA	19,610	130	4.00
16:13	6.76	0.00	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	20,000	130	4.00
16:16	6.76	0	14.79	0.1	12,327	0.04	-588.3	0.2	0.17	0.0	NA	NA	20,390	130	4.00
16:19	6.76	0	14.80	0.1	12,332	0.04	-588.5	0.2	0.17	0.0	NA	NA	20,780	130	4.02
18:30	Water level after sampling														3.68

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - Not Available
5) Pump Screen set at 35 feet below top of riser.
6) Turbidity seemed to be out of scale for the instrument

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Clear, Low 40's, Windy
MONITORING WELL NO.: WC3-2D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed (ml)	Pumping Rate (ml/min)	Water Elevation (ft bgs)
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*			
10:40	Started pump														3.83
10:44	6.94	NA	13.92	NA	349.2	NA	-249.2	NA	2.27	NA	7.14	NA	2,200	550	3.93
10:50	6.84	-0.10	14.24	2.2	13894	97.49	-501.4	252.2	0.44	415.9	8.24	13.3	4,060	310	3.93
10:55	6.86	0.02	14.27	0.2	13439	3.39	-533.3	31.9	0.25	76.0	9.09	9.35	5,860	360	3.93
11:00	6.86	0.00	14.56	2.0	12971	3.61	-552.0	18.7	0.20	25.0	6.82	33.3	7,710	370	3.93
11:05	6.86	0.00	14.47	0.6	12685	2.25	-573.1	21.1	0.18	11.1	4.50	51.56	9,560	370	3.91
11:10	6.84	-0.02	14.56	0.6	12471	1.72	-572.5	0.6	0.15	20.0	2.33	93.1	11,410	370	3.91
11:15	6.82	-0.02	14.82	1.8	12359	0.91	-583.1	10.6	0.14	7.1	1.84	26.63	13,260	370	3.91
11:20	6.80	-0.02	14.48	2.3	12323	0.29	-579.9	3.2	0.14	0.0	1.27	44.9	15,110	370	3.91
11:25	6.78	-0.02	14.62	1.0	12287	0.29	-578.3	1.6	0.14	0.0	1.46	13.01	16,960	370	3.91
11:30	6.77	-0.01	14.63	0.1	12287	0.00	-586.1	7.8	0.14	0.0	1.01	44.6	18,810	370	3.91
11:35	6.75	-0.02	15.07	2.9	12311	0.19	-589.9	3.8	0.15	6.7	0.82	< 1 NTU	20,660	370	3.91
11:40	6.74	-0.01	14.95	0.8	12316	0.04	-589.2	0.7	0.16	6.3	0.45	< 1 NTU	22,510	370	3.92
11:44	6.73	-0.01	14.80	1.0	12332	0.13	-588.5	0.7	0.17	5.9	0.86	< 1 NTU	23,990	370	3.92
11:47	6.73	0.00	14.79	0.1	12327	0.04	-588.3	0.2	0.17	0.0	0.75	< 1 NTU	25,100	370	3.92
13:05	Water level after sampling														3.90

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NA - "Not Available"
5) PID = 0.4ppm(Headspace)

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/17/1999
WEATHER: Clear, Low 40's °F, Windy
MONITORING WELL NO.: WC3-2I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

TIME	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
8:10	Started pump														4.01
8:15	6.77	NA	11.45	NA	1105	NA	138.0	NA	6.40	NA	7.50	NA	1,350	270	4.19
8:20	6.90	0.13	13.28	13.8	1145	3.49	-211.5	349.5	7.13	10.2	12.30	39.0	2,700	270	4.19
8:25	6.90	0.00	13.33	0.4	1140	0.44	-257.7	46.2	7.21	1.11	11.70	5.13	4,050	270	4.19
8:30	6.87	-0.03	13.35	0.1	1136	0.35	-266.7	9.0	7.43	3.0	12.10	3.3	5,400	270	4.20
8:35	6.86	-0.01	13.20	1.1	1143	0.61	-267.4	0.7	6.95	6.91	10.36	16.80	6,750	270	4.20
8:40	6.86	0.00	13.39	1.4	1144	0.09	-268.8	1.4	6.60	5.3	9.47	9.4	8,100	270	4.20
8:45	6.85	-0.01	13.27	0.9	1147	0.26	-280.5	11.7	5.33	23.83	6.80	39.26	9,450	270	4.20
8:50	6.85	0.00	13.37	0.7	1151	0.35	-335.4	54.9	4.40	21.1	4.78	42.3	10,800	270	4.20
8:55	6.85	0.00	13.30	0.5	1165	1.20	-541.3	205.9	3.28	34.15	4.30	11.16	12,150	270	4.20
9:00	6.85	0.00	13.30	0.0	1170	0.43	-555.6	14.3	2.82	16.3	3.39	26.8	13,500	270	4.20
9:05	6.85	0.00	13.32	0.2	1172	0.17	-550.1	5.5	2.25	25.33	3.81	11.02	14,850	270	4.20
9:10	6.84	-0.01	13.27	0.4	1174	0.17	-561.4	11.3	1.48	52.0	4.87	21.8	16,200	270	4.20
9:15	6.84	0.00	13.35	0.6	1173	0.09	-544.1	17.3	1.34	10.45	8.42	42.16	17,550	270	4.20
9:20	6.83	-0.01	13.37	0.1	1172	0.09	-544.9	0.8	1.03	30.1	4.65	81.1	18,900	270	4.20
9:25	6.83	0.00	13.26	0.8	1178	0.51	-551.2	6.3	0.72	43.06	2.08	123.56	20,250	270	4.20
9:30	6.83	0.00	13.33	0.5	1178	0.00	-561.0	9.8	0.54	33.3	1.95	6.7	21,600	270	4.20
9:35	6.83	0.00	13.35	0.1	1189	0.93	-560.0	1	0.38	42.11	1.63	19.63	22,950	270	4.20
9:40	6.83	0.00	13.54	1.4	1191	0.17	-564.1	4.1	0.27	40.7	1.76	7.4	24,300	270	4.20
9:45	6.83	0.00	13.66	0.9	1194	0.25	-563.7	0.4	0.18	50.00	1.86	5.38	25,650	270	4.20
9:50	6.83	0.00	13.43	1.7	1198	0.33	-562.7	1.0	0.15	20.0	2.18	14.7	27,000	270	4.20
9:53	6.83	0.00	13.32	0.8	1200	0.17	-564.0	1.3	0.14	7.14	1.64	32.93	27,810	270	4.20
9:56	6.83	0.00	13.33	0.1	1198	0.17	-561.0	3.0	0.13	7.7	0.83	97.6	28,620	270	4.20
9:59	6.83	0.00	13.40	0.5	1200	0.17	-562.3	1.3	0.13	0.00	0.75	10.67	29,430	270	4.20
10:40	Water level after sampling														4.06

Notes:

1) ***Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.**
2) **When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.**
3) **ft bgs - means "feet below ground surface".**
4) **NA - "Not Available"**
5) **PID = 0.4ppm(Headspace)**

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Overcast, 40 deg F
MONITORING WELL NO.: WC5-1D

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
9:51	7.34	NA	14.35	NA	13,309	NA	133.7	NA	4.01	NA	Cloudy	NA	NA	330	4.87
9:55	6.87	0.47	14.92	3.82	30,047	55.71	71.4	62.30	2.45	63.67	Cloudy	NA	1,650	340	4.87
10:00	6.87	0.00	14.74	1.22	30,681	2.07	97.6	26.20	1.07	128.97	Cloudy	NA	3,350	320	4.87
10:05	6.88	0.01	14.70	0.27	30,438	0.80	114.8	17.20	0.60	78.33	Cloudy	NA	4,950	330	4.87
10:10	6.86	0.02	14.75	0.34	30,321	0.39	119.3	4.50	0.44	36.36	Clearer	NA	6,600	330	4.87
10:15	6.86	0.00	14.70	0.34	30,233	0.29	124.2	4.90	0.47	6.38	Clear	NA	8,250	330	4.87
10:20	6.85	0.01	14.69	0.07	30,181	0.17	125.8	1.60	0.43	9.30	Clear	NA	9,900	330	4.87
10:25	6.85	0.00	14.65	0.27	30,117	0.21	127.6	1.80	0.44	2.27	Clear	NA	11,550	330	4.87

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/9/1999
WEATHER: Breezy, clear, humid, 90 deg F
MONITORING WELL NO.: WC5-1S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: A. Murphy, B. Cebula

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
10:05	7.98	NA	16.63	NA	160	NA	108.6	NA	1.96	NA	8.64	NA	NA	450	2.20
10:10	7.73	0.25	16.89	1.5	156	2.6	106.0	2.6	0.4	390.0	6.35	36.06	2,250	500	2.2
10:15	7.61	0.12	16.78	0.7	154	1.3	102.8	3.2	0.30	33.3	3.07	106.8	4,750	435	2.24
10:20	7.55	0.06	16.75	0.2	154	0.0	100.1	2.7	0.28	7.1	2.31	32.90	6,925	435	2.21
10:25	7.51	0.04	16.70	0.3	153	0.7	97.2	2.9	0.28	0.0	1.43	61.5	9,100	435	2.22
10:30	7.49	0.02	16.7	0.0	153	0.0	93.0	4.2	0.27	3.7	0.44	< 1 NTU	11,275	435	2.22
10:35	7.46	0.03	16.73	0.2	152	0.7	89.6	3.4	0.27	0.0	0.49	< 1 NTU	13,450	435	2.21
10:40	7.46	0.00	16.73	0.0	152	0.0	87.5	2.1	0.26	3.8	0.24	< 1 NTU	15,625	435	2.21

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Clear, Low 50s °F
MONITORING WELL NO.: WC5-2I

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading	%*	Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
13:00	6.51	NA	13.91	NA	1,298	NA	211.5	NA	3.79	NA	6.16	NA	NA	250	5.97
13:05	6.48	0.03	13.85	0.43	1,954	33.57	182.4	29.10	1.23	208.13	4.63	33.05	1,250	250	5.98
13:10	6.47	0.01	13.98	0.93	2,004	2.50	173.1	9.30	0.91	35.16	2.12	118.40	2,500	250	5.98
13:15	6.47	0.00	13.98	0.00	2,038	1.67	165.4	7.70	0.74	22.97	0.84	152.38	3,750	250	5.98
13:20	6.47	0.00	13.79	1.38	2,044	0.29	158.1	7.30	0.63	17.46	0.59	< 1 NTU	5,000	250	5.97
13:24	6.46	0.01	13.83	0.29	2,045	0.05	153.1	5.00	0.54	16.67	0.27	< 1 NTU	6,000	250	5.97
13:28	6.47	0.01	13.71	0.88	2,050	0.24	148.7	4.40	0.50	8.00	0.27	< 1 NTU	7,000	250	5.96
13:31	6.46	0.01	13.72	0.07	2,047	-0.15	146.3	2.40	0.47	6.38	0.29	< 1 NTU	7,750	250	5.96
13:36	6.47	0.01	13.42	2.24	2,050	0.15	140.4	5.90	0.45	4.44	0.29	< 1 NTU	9,000	250	5.96

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - "Not Recorded"
5) NA - "Not Available"

LOW FLOW RATE PURGING DATA SHEET

SITE: Stratford Army Engine Plant
DATE: 11/08/1999
WEATHER: Overcast
MONITORING WELL NO.: WC5-3S

ENVIRONMENTAL CONSULTING FIRM: URS Greiner Woodward Clyde
FIELD PERSONNEL: R. Colón, S. Vallianos

	pH (pH units) ± 0.1 pH unit		Temperature (degrees C) 3%		Specific Conductivity (mS/cm) 3%		Redox Potential (mV) ± 10 mV		Dissolved Oxygen (mg/L) 10%		Turbidity (NTU) 10% if > 1 NTU		Volume Water Removed	Pumping Rate	Water Elevation
TIME	Reading		Reading	%*	Reading	%*	Reading		Reading	%*	Reading	%*	(ml)	(ml/min)	(ft bgs)
11:30	6.47	NA	13.68	NA	609	NA	227.3	NA	6.30	NA	Cloudy	NA	NA	450	NR
11:35	5.84	0.63	17.17	20.33	433	40.65	231.0	3.70	1.28	392.19	Clear	NA	2,250	450	NR
11:40	5.84	0.00	17.26	0.52	452	4.20	230.6	0.40	1.08	18.52	Clear	NA	4,500	425	NR
11:45	5.85	0.01	17.28	0.12	460	1.74	230.9	0.30	0.84	28.57	Clear	NA	6,625	425	NR
15:48	5.85	0.00	17.33	0.29	462	0.43	231.0	0.10	0.74	13.51	Clear	NA	7,900	425	NR
11:51	5.85	0.00	17.33	0.00	465	0.65	231.0	0.00	0.69	7.25	Clear	NA	9,175	425	NR
11:54	5.86	0.01	17.39	0.35	466	0.21	230.9	0.10	0.64	7.81	Clear	NA	10,450	425	NR
11:57	5.86	0.00	17.36	0.17	467	0.21	230.9	0.00	0.64	0.00	Clear	NA	11,725	425	NR

Notes:

1) *Calculate percent difference by subtracting the current reading by the previous reading, dividing by the current reading and multiplying by 100.
2) When three consecutive readings are within EPA specifications, the monitoring well is stabilized and ready for sampling.
3) ft bgs - means "feet below ground surface".
4) NR - Not Recorded; Water elevation could not be measured because pump apparatus blocked the water table.
5) NA - "Not Available"