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61

GROUNDWATER MONITORING
ANALYTICAL RESULTS FOR THE THIRD QUARTER 1993
OB GROUNDS, SENECA ARMY DEPOT

PREPARED FOR:
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PREPARED BY:

Engineering-Science, Inc.
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TABLE OF CONTENTS

SECTION 1.0
Summary of Historical Data for Selected Wells

MONITORING WELL MW-1
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	129	–	3.41
ANTIMONY	mg/l	–	–	–	–	–	–	–	0.0537	–	ND
ARSENIC	mg/l	ND	–	–	–	–	–	–	0.0044	–	0.001
BARIUM	mg/l	0.09	–	–	–	–	–	–	1.05	–	0.0867
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.011	–	0.0005
CADMIUM	mg/l	0.002	–	–	–	–	–	–	0.0089	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	600	–	138
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.161	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.181	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.792	–	0.0056
IRON	mg/l	0.022	1.5	–	ND	–	0.26	–	167	–	3.12
LEAD	mg/l	ND	–	–	–	–	–	–	0.495	–	0.0047
MAGNESIUM	mg/l	–	–	–	–	–	–	–	119	–	29.9
MANGANESE	mg/l	–	0.015	–	ND	–	ND	–	6.71	–	0.0355
MERCURY	mg/l	0.002	–	–	–	–	–	–	0.0035	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.356	–	0.0111
POTASSIUM	mg/l	2.7	–	–	–	–	–	–	18.4	–	2.66
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0126	–	ND
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	6.7	8.6	–	12.5	–	17.6	–	14	–	13
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.167	–	0.0084
ZINC	mg/l	–	–	–	–	–	–	–	6.66	–	0.0346
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	4.3
CHLORIDE	mg/l	8.6	3.4	–	4.3	–	8.86	–	3.7	3	4
SULFATE	mg/l	220	280	–	292	–	217	–	260	190	200
NITRATE	mg/l	–	–	–	–	–	–	–	1.33	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.86	1
TOX	mg/l	ND	0.04	ND	0.007	–	ND	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	860	1400	845	–	–	–	839	750	860
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	773	747	470	500	625
PHENOL	mg/l	ND	ND	–	ND	–	ND	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	6.98	7.07	6.99
pH (FLD)	Standard	–	–	–	–	–	7.20	7.10	6.98	6.70	7.17
TOC	mg/l	6.1	5	4.7	8.9	–	3.8	–	3.9	1	2
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	14.5	58
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
RDX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
DNT 2,4	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-2
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	42	–	1.14
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	ND	–	–	–	–	–	–	0.0035	–	ND
BARIUM	mg/l	0.078	–	–	–	–	–	–	0.51	–	0.0808
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.0032	–	ND
CADMIUM	mg/l	ND	–	–	–	–	–	–	0.0034	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	201	–	122
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.0609	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.0449	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.233	–	0.0101
IRON	mg/l	0.032	1.4	–	ND	–	0.19	–	67.8	–	1.34
LEAD	mg/l	ND	–	–	–	–	–	–	0.116	–	0.0018
MAGNESIUM	mg/l	–	–	–	–	–	–	–	34.2	–	20.4
MANGANESE	mg/l	–	0.011	–	ND	–	0.01	–	1.95	–	0.0862
MERCURY	mg/l	0.002	–	–	–	–	–	–	0.00099	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.146	–	ND
POTASSIUM	mg/l	0.8	–	–	–	–	–	–	7.65	–	1.88
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0041	–	ND
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	6.8	3.5	–	14.4	–	21.3	–	14.9	–	16.9
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.068	–	0.0031
ZINC	mg/l	–	–	–	–	–	–	–	0.45	–	0.012
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	ND
CHLORIDE	mg/l	6.2	2.6	–	2.6	–	7.09	–	2	1	2
SULFATE	mg/l	140	73	–	103	–	176	–	97	41	130
NITRATE	mg/l	–	–	–	–	–	–	–	0.03	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
TRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	ND	ND
TOX	mg/l	ND	0.05	ND	0.012	–	0.013	–	ND	–	ND
NDUCTANCE(LAB)	umhos/cm	–	520	1700	585	–	–	–	626	530	750
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	461	484	363	345	550
PHENOL	mg/l	ND	ND	–	0.003	–	0.004	–	–	–	–
pH (LAB)	Standard	–	–	–	6.80	–	–	–	7.29	7.30	7.33
pH (FLD)	Standard	–	–	–	–	–	7.60	7.40	6.99	6.80	7.00
TOC	mg/l	4.5	6.4	7.1	250	–	ND	–	2.2	ND	2
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	96.5	18
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
RDX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
ITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
T 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
T 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
DNT 2,4	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-3
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	0.367	–	0.348
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	ND	–	–	–	–	–	–	ND	–	ND
BARIUM	mg/l	0.058	–	–	–	–	–	–	0.0468	–	0.0371
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	ND	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	128	–	112
CHROMIUM	mg/l	ND	–	–	–	–	–	–	ND	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0022	–	0.003
IRON	mg/l	0.043	0.67	–	ND	–	0.07	–	0.462	–	0.399
LEAD	mg/l	ND	–	–	–	–	–	–	0.0017	–	0.0015
MAGNESIUM	mg/l	–	–	–	–	–	–	–	25.4	–	29.6
MANGANESE	mg/l	–	ND	–	ND	–	ND	–	0.0248	–	0.0101
MERCURY	mg/l	ND	–	–	–	–	–	–	0.00015	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	ND	–	ND
POTASSIUM	mg/l	0.9	–	–	–	–	–	–	0.958	–	1.1
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0012	–	ND
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	3.7	3.4	–	3.5	–	5.9	–	3.99	–	7.62
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0062	–	0.0043
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	ND
CHLORIDE	mg/l	13	4	–	4.3	–	8.86	–	3.2	3	4
SULFATE	mg/l	210	100	–	60	–	168	–	96	110	140
NITRATE	mg/l	–	–	–	–	–	–	–	0.03	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	ND	0.05
TOX	mg/l	ND	0.06	ND	9.2	ND	0.021	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	650	1400	575	–	–	–	742	770	880
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	838	674	673	445	500	675
PHENOL	mg/l	ND	ND	–	ND	–	0.005	–	–	–	–
pH (LAB)	Standard	–	–	–	6.80	–	–	–	7.27	7.10	6.99
pH (FLD)	Standard	–	–	–	–	7.10	7.10	7.10	6.34	7.30	6.99
TOC	mg/l	5.6	6.2	5.9	7.3	15.6	4	–	3	2	3
TURBIDITY	NTU	–	–	–	–	–	–	–	99	33.5	12
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-4
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	71.3	–	2.13
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	ND	–	–	–	–	–	–	0.004	–	0.0016
BARIUM	mg/l	0.072	–	–	–	–	–	–	0.721	–	0.0534
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.0048	–	ND
CADMIUM	mg/l	0.001	–	–	–	–	–	–	0.0196	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	429	–	151
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.104	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.0617	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.505	–	0.0064
IRON	mg/l	0.042	4.1	–	ND	–	0.11	–	113	–	2.64
LEAD	mg/l	ND	–	–	–	–	–	–	0.12	–	0.0029
MAGNESIUM	mg/l	–	–	–	–	–	–	–	70.5	–	35.2
MANGANESE	mg/l	–	0.064	–	0.03	–	0.02	–	2.7	–	0.162
MERCURY	mg/l	ND	–	–	–	–	–	–	0.0111	–	0.00013
NICKEL	mg/l	–	–	–	–	–	–	–	0.186	–	ND
POTASSIUM	mg/l	4.1	–	–	–	–	–	–	13.5	–	3.09
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0039	–	0.0012
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	9	16	–	22.3	–	17.6	–	23.3	–	25.5
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0985	–	0.0055
ZINC	mg/l	–	–	–	–	–	–	–	0.817	–	0.021
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	2.4
CHLORIDE	mg/l	6.4	3.5	–	4.3	–	10.6	–	2.8	1	3
SULFATE	mg/l	130	220	–	232	–	92.8	–	240	110	230
NITRATE	mg/l	–	–	–	–	–	–	–	0.04	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	ND	ND
TOX	mg/l	0.02	0.02	ND	0.005	–	0.021	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	890	1400	900	–	–	–	875	680	940
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	600	395	540	445	700
PHENOL	mg/l	ND	ND	–	ND	–	0.006	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.17	7.27	7.17
pH (FLD)	Standard	–	–	–	–	–	7.30	7.40	7.25	6.30	7.00
TOC	mg/l	11.3	5	9	3.6	–	7.7	–	3.4	2	1
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	>200	27.5
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
RDX	ug/l	ND	ND	ND	ND	–	–	1.19	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
DNT 2,4	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-5
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	2.39	–	–
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	–
ARSENIC	mg/l	ND	–	–	–	–	–	–	ND	–	–
BARIUM	mg/l	0.06	–	–	–	–	–	–	0.0729	–	–
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
CADMIUM	mg/l	ND	–	–	–	–	–	–	ND	–	–
CALCIUM	mg/l	–	–	–	–	–	–	–	112	–	–
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.0023	–	–
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	–
COPPER	mg/l	–	–	–	–	–	–	–	0.0022	–	–
IRON	mg/l	0.024	0.79	–	ND	–	0.09	–	2.83	–	–
LEAD	mg/l	ND	–	–	–	–	–	–	0.0013	–	–
MAGNESIUM	mg/l	–	–	–	–	–	–	–	27	–	–
MANGANESE	mg/l	–	0.028	–	0.02	–	ND	–	0.0622	–	–
MERCURY	mg/l	ND	–	–	–	–	–	–	ND	–	–
NICKEL	mg/l	–	–	–	–	–	–	–	ND	–	–
POTASSIUM	mg/l	0.8	–	–	–	–	–	–	1.1	–	–
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0016	–	–
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	–
SODIUM	mg/l	6.9	5.3	–	15.9	–	17.6	–	16.6	–	–
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0031	–	–
ZINC	mg/l	–	–	–	–	–	–	–	0.0085	–	–
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	–
CHLORIDE	mg/l	6.2	2.8	–	3.5	–	10.6	–	2.5	3	–
SULFATE	mg/l	100	70	–	94	–	86	–	107	100	–
NITRATE	mg/l	–	–	–	–	–	–	–	5	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	5.1	–
TOX	mg/l	ND	0.03	0.02	ND	–	0.0082	–	ND	0.02	–
NDUCTANCE(LAB)	umhos/cm	–	3500	1700	730	–	–	–	767	800	–
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	552	727	471	500	700
PHENOL	mg/l	ND	ND	–	ND	–	0.005	–	–	–	–
pH (LAB)	Standard	–	–	–	6.90	–	–	–	7.23	7.12	–
pH (FLD)	Standard	–	–	–	–	–	7.70	7.30	7.08	7.31	7.30
TOC	mg/l	3.5	6.2	4.3	6	–	3.3	–	1.7	2	–
TURBIDITY	NTU	–	–	–	–	–	–	–	89	1400	4.5
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
RDX	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	–
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	–
TETRYL	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	–
TNT 2,4,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	–
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	–
DNT 2,6	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
DNT 2,4	ug/l	ND	ND	ND	ND	–	–	ND	ND	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–

MONITORING WELL MW-6
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	1.36	–	2.05
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	ND	–	–	–	–	–	–	ND	–	0.001
BARIUM	mg/l	0.018	–	–	–	–	–	–	0.104	–	0.0869
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	ND	–	–	–	–	–	–	0.0031	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	130	–	110
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.002	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0039	–	0.0034
IRON	mg/l	0.12	0.97	–	ND	–	0.08	–	1.54	–	2.37
LEAD	mg/l	ND	–	–	–	–	–	–	0.0041	–	0.0018
MAGNESIUM	mg/l	–	–	–	–	–	–	–	38.5	–	31.7
MANGANESE	mg/l	–	0.019	–	ND	–	ND	–	0.184	–	0.0372
MERCURY	mg/l	ND	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.005	–	ND
POTASSIUM	mg/l	0.8	–	–	–	–	–	–	1.63	–	2.11
SELENIUM	mg/l	ND	–	–	–	–	–	–	0.0014	–	0.002
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	9.4	8	–	13.1	–	21	–	12.3	–	10.3
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	ND	–	0.0052
ZINC	mg/l	–	–	–	–	–	–	–	0.0129	–	0.0103
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	3.3
CHLORIDE	mg/l	6	4	–	3.5	–	8.86	–	8.3	2	4
SULFATE	mg/l	69	93	–	88	–	71	–	114	110	110
NITRATE	mg/l	–	–	–	–	–	–	–	0.96	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.78	1.2
TOX	mg/l	0.04	0.05	ND	ND	0.052	0.015	–	ND	0.03	0.03
NDUCTANCE(LAB)	umhos/cm	–	680	1700	688	–	–	–	719	710	680
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	718	547	689	460	440	500
PHENOL	mg/l	ND	ND	–	ND	–	0.002	–	–	–	–
pH (LAB)	Standard	–	–	–	6.70	–	–	–	7.30	7.25	7.14
pH (FLD)	Standard	–	–	–	–	7.20	7.40	7.30	7.43	8.25	7.52
TOC	mg/l	7.2	8.7	1.5	5.4	389	7.3	–	1	ND	2
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	>100	14.9
EXPLOSIVES											
HMX	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	ND	ND	ND	ND	ND	–	2.27	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	ND	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-7
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	2.77	–	–
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	–
ARSENIC	mg/l	ND	–	–	–	–	–	–	ND	–	–
BARIUM	mg/l	0.036	–	–	–	–	–	–	0.138	–	–
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
CADMIUM	mg/l	ND	–	–	–	–	–	–	ND	–	–
CALCIUM	mg/l	–	–	–	–	–	–	–	102	–	–
CHROMIUM	mg/l	ND	–	–	–	–	–	–	0.0033	–	–
COBALT	mg/l	–	–	–	–	–	–	–	0.0065	–	–
COPPER	mg/l	–	–	–	–	–	–	–	0.0141	–	–
IRON	mg/l	2	1.6	–	ND	–	0.29	–	3.01	–	–
LEAD	mg/l	ND	–	–	–	–	–	–	0.0183	–	–
MAGNESIUM	mg/l	–	–	–	–	–	–	–	21.9	–	–
MANGANESE	mg/l	–	0.019	–	0.01	–	0.04	–	0.376	–	–
MERCURY	mg/l	ND	–	–	–	–	–	–	0.00011	–	–
NICKEL	mg/l	–	–	–	–	–	–	–	0.0105	–	–
POTASSIUM	mg/l	4.2	–	–	–	–	–	–	0.702	–	–
SELENIUM	mg/l	ND	–	–	–	–	–	–	ND	–	–
SILVER	mg/l	ND	–	–	–	–	–	–	ND	–	–
SODIUM	mg/l	1.4	1.6	–	8.85	–	7.7	–	3.27	–	–
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0057	–	–
ZINC	mg/l	–	–	–	–	–	–	–	0.0295	–	–
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	–
CHLORIDE	mg/l	1.8	1.2	–	1.7	–	8.86	–	1.6	ND	–
SULFATE	mg/l	29	24	–	40	–	32.8	–	41	52	–
NITRATE	mg/l	–	–	–	–	–	–	–	0.08	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.16	–
TOX	mg/l	0.02	0.08	–	ND	–	0.012	–	ND	ND	–
NDUCTANCE(LAB)	umhos/cm	–	400	–	524	–	–	–	475	510	–
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	449	432	310	330	500
PHENOL	mg/l	ND	ND	–	ND	–	0.004	–	–	–	–
pH (LAB)	Standard	–	–	–	7.00	–	–	–	7.22	7.43	–
pH (FLD)	Standard	–	–	–	–	–	7.30	7.20	8.18	7.40	7.52
TOC	mg/l	18.3	6	–	9	–	8	–	1.4	ND	–
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	17.5	14.9
EXPLOSIVES											
HMX	ug/l	ND	ND	–	ND	–	–	ND	ND	–	–
RDX	ug/l	ND	ND	–	ND	–	–	ND	0.16	–	–
TNB 1,3,5	ug/l	–	–	–	–	–	–	–	ND	–	–
DNB 1,3	ug/l	–	–	–	–	–	–	–	ND	–	–
TETRYL	ug/l	ND	ND	–	ND	–	–	ND	ND	–	–
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	–
TNT 2,4,6	ug/l	ND	ND	–	ND	–	–	ND	ND	–	–
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	–
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	–
DNT 2,6	ug/l	ND	ND	–	ND	–	–	ND	ND	–	–
DNT 2,4	ug/l	ND	ND	–	ND	–	–	ND	ND	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–

MONITORING WELL MW-8
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	13.1	–	0.487
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	0.0058	–	0.001
BARIUM	mg/l	–	–	–	–	–	–	–	0.176	–	0.0271
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.0008	–	ND
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	381	–	302
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0194	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.0306	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0274	–	ND
IRON	mg/l	–	0.68	–	ND	–	0.09	–	23.2	–	0.855
LEAD	mg/l	–	–	–	–	–	–	–	0.0466	–	0.001
MAGNESIUM	mg/l	–	–	–	–	–	–	–	78.4	–	61.8
MANGANESE	mg/l	–	0.029	–	0.02	–	ND	–	0.825	–	0.0176
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0559	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	5.03	–	2.59
SELENIUM	mg/l	–	–	–	–	–	–	–	0.0041	–	ND
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	32	–	17.7	–	16.5	–	21.7	–	15.1
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0219	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0586	–	0.0029
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	3
CHLORIDE	mg/l	–	26	–	19.9	–	23	–	18	25	24
SULFATE	mg/l	–	640	–	807	–	710	–	990	660	700
NITRATE	mg/l	–	–	–	–	–	–	–	1.43	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.82	0.61
TOX	mg/l	–	0.07	ND	ND	ND	ND	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	1500	1100	1753	–	–	–	1760	1600	1600
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	1402	1710	1604	1200	1000	1300
PHENOL	mg/l	–	ND	–	ND	–	0.001	–	–	–	–
pH (LAB)	Standard	–	–	–	6.50	–	–	–	6.99	6.98	7.06
pH (FLD)	Standard	–	–	–	–	7.10	7.00	7.10	6.68	7.29	6.75
TOC	mg/l	–	10	1.6	ND	ND	6.6	–	1.3	1	1
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	5	17.3
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	0.2
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-9
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	6.67	–	0.551
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	ND	–	0.001
BARIUM	mg/l	–	–	–	–	–	–	–	0.134	–	0.0805
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	134	–	192
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.009	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0108	–	ND
IRON	mg/l	–	0.8	–	ND	–	0.09	–	9.15	–	1.23
LEAD	mg/l	–	–	–	–	–	–	–	0.0076	–	0.0058
MAGNESIUM	mg/l	–	–	–	–	–	–	–	33.9	–	42.4
MANGANESE	mg/l	–	0.035	–	0.03	–	0.05	–	0.198	–	0.0967
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0178	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	3.77	–	3.47
SELENIUM	mg/l	–	–	–	–	–	–	–	0.0031	–	0.0023
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	10	–	10.1	–	12.2	–	8.66	–	13.1
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0096	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0211	–	0.0115
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	6.2
CHLORIDE	mg/l	–	6.8	–	3.5	–	10.6	–	3.8	3	25
SULFATE	mg/l	–	210	–	228	–	273	–	250	180	210
NITRATE	mg/l	–	–	–	–	–	–	–	3.7	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	0.005	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	6.2	10
TOX	mg/l	–	0.03	ND	0.008	0.012	ND	–	ND	ND	0.07
NDUCTANCE(LAB)	umhos/cm	–	860	1500	901	–	–	–	829	750	1100
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	1102	905	891	510	525	950
PHENOL	mg/l	–	ND	–	ND	–	ND	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.17	7.30	7.03
pH (FLD)	Standard	–	–	–	–	7.10	7.10	7.40	7.01	7.39	6.90
TOC	mg/l	–	4.6	1.5	ND	7.9	6	–	1	2	2
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	15	31.9
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	0.4
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	1.3
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	1.3
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	1
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	1
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-10
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	25.7	–	–
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	–
ARSENIC	mg/l	–	–	–	–	–	–	–	0.0039	–	–
BARIUM	mg/l	–	–	–	–	–	–	–	0.282	–	–
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.0017	–	–
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
CALCIUM	mg/l	–	–	–	–	–	–	–	243	–	–
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0365	–	–
COBALT	mg/l	–	–	–	–	–	–	–	0.0731	–	–
COPPER	mg/l	–	–	–	–	–	–	–	0.0404	–	–
IRON	mg/l	–	0.14	–	ND	–	0.08	–	39.1	–	–
LEAD	mg/l	–	–	–	–	–	–	–	0.0425	–	–
MAGNESIUM	mg/l	–	–	–	–	–	–	–	28	–	–
MANGANESE	mg/l	–	0.02	–	0.02	–	0.01	–	2.74	–	–
MERCURY	mg/l	–	–	–	–	–	–	–	0.00015	–	–
NICKEL	mg/l	–	–	–	–	–	–	–	0.0746	–	–
POTASSIUM	mg/l	–	–	–	–	–	–	–	6.17	–	–
SELENIUM	mg/l	–	–	–	–	–	–	–	0.0029	–	–
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	–
SODIUM	mg/l	–	10	–	11.1	–	12	–	11.4	–	–
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	–
VANADIUM	mg/l	–	–	–	–	–	–	–	0.037	–	–
ZINC	mg/l	–	–	–	–	–	–	–	0.122	–	–
ISCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	–
CHLORIDE	mg/l	–	13	–	10.4	–	16	–	11.1	9	–
SULFATE	mg/l	–	270	–	252	–	213	–	280	240	–
NITRATE	mg/l	–	–	–	–	–	–	–	0.04	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.05	–
TOX	mg/l	–	0.03	ND	ND	0.025	ND	–	ND	ND	–
NDUCTANCE(LAB)	umhos/cm	–	940	1400	972	–	–	–	906	910	–
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	605	824	846	610	600	725
PHENOL	mg/l	–	ND	–	ND	–	0.002	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.20	7.11	–
pH (FLD)	Standard	–	–	–	–	7.40	7.40	7.00	7.22	7.71	7.30
TOC	mg/l	–	5.2	ND	ND	6.5	4	–	1.1	ND	–
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	–	72.2
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	–
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	–
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	–
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	–
TETRYL	ug/l	–	ND	ND	ND	ND	–	0.84	ND	–	–
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	–
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	–
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	–
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	–
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	–
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	–

MONITORING WELL MW-11
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	0.267	–	0.0226
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	ND	–	0.00098
BARIUM	mg/l	–	–	–	–	–	–	–	0.105	–	0.103
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	–	–	–	–	–	–	–	0.0039	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	194	–	201
CHROMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	ND	–	ND
IRON	mg/l	–	0.5	–	ND	–	ND	–	0.437	–	0.0533
LEAD	mg/l	–	–	–	–	–	–	–	0.0015	–	0.0073
MAGNESIUM	mg/l	–	–	–	–	–	–	–	31.4	–	29.6
MANGANESE	mg/l	–	0.022	–	ND	–	ND	–	0.063	–	0.069
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	ND	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	1.44	–	2.08
SELENIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	17	–	15.6	–	14.2	–	31.7	–	33.2
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0037	–	0.0066
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	2
CHLORIDE	mg/l	–	41	–	15.6	–	12.4	–	38	12	41
SULFATE	mg/l	–	250	–	189	–	163	–	329	160	260
NITRATE	mg/l	–	–	–	–	–	–	–	0.38	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	ND	0.19
TOX	mg/l	–	0.02	ND	ND	ND	0.0059	–	ND	ND	0.03
NDUCTANCE(LAB)	umhos/cm	–	1000	1200	789	–	–	–	1060	710	1100
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	1257	880	–	710	775	925
PHENOL	mg/l	–	ND	–	ND	–	0.007	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.08	7.17	6.89
pH (FLD)	Standard	–	–	–	–	6.80	7.10	7.00	7.01	7.00	7.10
TOC	mg/l	–	5.5	ND	12.4	ND	3.8	–	1.4	1	4
TURBIDITY	NTU	–	–	–	–	–	–	–	50	4.1	1.3
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	1.52	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-12
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	3.94	–	0.547
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	0.0019	–	ND
BARIUM	mg/l	–	–	–	–	–	–	–	0.135	–	0.116
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	98	–	101
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0063	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.0055	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0093	–	0.0031
IRON	mg/l	–	0.89	–	ND	–	ND	–	5.69	–	0.876
LEAD	mg/l	–	–	–	–	–	–	–	0.0069	–	0.0022
MAGNESIUM	mg/l	–	–	–	–	–	–	–	69.7	–	69.1
MANGANESE	mg/l	–	0.019	–	0.01	–	ND	–	0.147	–	0.0504
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0101	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	8.03	–	10
SELENIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	20	–	19.2	–	16.3	–	18.1	–	19.8
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0051	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0309	–	0.0054
ISCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	ND
CHLORIDE	mg/l	–	11	–	6.9	–	12.4	–	8.7	7	11
SULFATE	mg/l	–	110	–	106	–	79.7	–	84	82	100
NITRATE	mg/l	–	–	–	–	–	–	–	0.68	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.57	1.7
TOX	mg/l	–	0.05	ND	ND	0.01	0.014	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	9900	1400	926	–	–	–	943	870	1000
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	910	755	907	610	600	825
PHENOL	mg/l	–	ND	–	ND	–	0.004	–	–	–	–
pH (LAB)	Standard	–	–	–	6.70	–	–	–	7.30	7.42	7.36
pH (FLD)	Standard	–	–	–	–	7.30	7.40	7.30	7.42	7.66	7.25
TOC	mg/l	–	5	1.9	25.8	6.6	4.3	–	1.3	ND	2
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	3.8	56.3
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-13
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	2.49	–	0.542
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	ND	–	0.00089
BARIUM	mg/l	–	–	–	–	–	–	–	0.103	–	0.104
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	162	–	186
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0025	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0043	–	ND
IRON	mg/l	–	0.14	–	ND	–	ND	–	2.65	–	0.66
LEAD	mg/l	–	–	–	–	–	–	–	0.0053	–	0.0033
MAGNESIUM	mg/l	–	–	–	–	–	–	–	31.5	–	33.9
MANGANESE	mg/l	–	ND	–	ND	–	ND	–	0.0543	–	0.0462
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0058	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	2.03	–	1.94
SELENIUM	mg/l	–	–	–	–	–	–	–	0.0034	–	0.0017
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	14	–	13.1	–	20	–	17.3	–	19.4
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0031	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0192	–	0.0106
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	3
CHLORIDE	mg/l	–	11	–	7.8	–	16	–	10.7	9	13
SULFATE	mg/l	–	250	–	181	–	212	–	230	20	250
NITRATE	mg/l	–	–	–	–	–	–	–	5.8	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	0.018	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	5.7	4.1
TOX	mg/l	–	0.06	ND	ND	ND	0.0093	–	ND	ND	0.04
NDUCTANCE(LAB)	umhos/cm	–	820	1400	865	–	–	–	986	1000	1000
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	892	890	857	610	700	825
PHENOL	mg/l	–	ND	–	ND	–	ND	–	–	–	–
pH (LAB)	Standard	–	–	–	6.50	–	–	–	6.99	7.00	6.99
pH (FLD)	Standard	–	–	–	–	7.00	7.10	7.00	6.90	7.40	6.74
TOC	mg/l	–	7.1	2.3	12.6	7.8	9.3	–	1.4	ND	2
TURBIDITY	NTU	–	–	–	–	–	–	–	117	8.4	2.7
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	0.29	–	0.8
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-14
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	5.38	–	1.58
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	0.0035	–	ND
BARIUM	mg/l	–	–	–	–	–	–	–	0.126	–	0.0808
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.00086	–	0.0005
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	176	–	198
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0087	–	0.0041
COBALT	mg/l	–	–	–	–	–	–	–	0.0102	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0205	–	0.0052
IRON	mg/l	–	0.29	–	ND	–	ND	–	8.36	–	2.58
LEAD	mg/l	–	–	–	–	–	–	–	0.0258	–	0.0132
MAGNESIUM	mg/l	–	–	–	–	–	–	–	34.8	–	38.2
MANGANESE	mg/l	–	ND	–	ND	–	ND	–	0.347	–	0.041
MERCURY	mg/l	–	–	–	–	–	–	–	0.00008	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0184	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	2.47	–	2.16
SELENIUM	mg/l	–	–	–	–	–	–	–	0.0017	–	0.0023
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	34	–	34.9	–	32.8	–	35.6	–	37.5
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0103	–	0.0043
ZINC	mg/l	–	–	–	–	–	–	–	0.0452	–	0.0164
SCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	4.8
CHLORIDE	mg/l	–	16	–	23.3	–	26.6	–	20	23	23
SULFATE	mg/l	–	140	–	282	–	228	–	354	27	270
NITRATE	mg/l	–	–	–	–	–	–	–	12.2	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	0.004	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	19	21
TOX	mg/l	–	0.04	ND	0.005	ND	0.0086	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	1100	1200	1174	–	–	–	1110	1200	1300
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	1176	1079	1062	710	750	1050
PHENOL	mg/l	–	ND	–	ND	–	ND	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.15	7.06	7.16
pH (FLD)	Standard	–	–	–	–	6.90	7.20	7.10	7.21	6.89	7.00
TOC	mg/l	–	3	3.6	14.6	6.9	8.6	–	1	1	ND
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	18.3	53.3
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-15
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	2.99	–	0.821
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	ND	–	0.00086
BARIUM	mg/l	–	–	–	–	–	–	–	0.0833	–	0.118
BERYLLIUM	mg/l	–	–	–	–	–	–	–	0.0005	–	0.0003
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	272	–	261
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.008	–	ND
COBALT	mg/l	–	–	–	–	–	–	–	0.0096	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0254	–	0.0044
IRON	mg/l	–	1.1	–	ND	–	ND	–	5.61	–	1.25
LEAD	mg/l	–	–	–	–	–	–	–	0.0339	–	0.01
MAGNESIUM	mg/l	–	–	–	–	–	–	–	50.6	–	49.7
MANGANESE	mg/l	–	0.044	–	0.02	–	ND	–	0.198	–	0.0449
MERCURY	mg/l	–	–	–	–	–	–	–	0.00011	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0171	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	1.99	–	2.34
SELENIUM	mg/l	–	–	–	–	–	–	–	ND	–	0.0012
SILVER	mg/l	–	–	–	–	–	–	–	0.0036	–	ND
SODIUM	mg/l	–	22	–	35.6	–	23.9	–	26.9	–	26.6
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0084	–	ND
ZINC	mg/l	–	–	–	–	–	–	–	0.0617	–	0.0221
ISCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	2.4
CHLORIDE	mg/l	–	11	–	7.8	–	17.7	–	7.7	7	8
SULFATE	mg/l	–	420	–	389	–	415	–	435	32	300
NITRATE	mg/l	–	–	–	–	–	–	–	2.58	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	0.015	–	–
NITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	3.1	5.7
TOX	mg/l	–	0.05	ND	0.015	0.019	0.023	–	ND	ND	0.03
ONDUCTANCE(LAB)	umhos/cm	–	1400	940	1506	–	–	–	1390	1400	1500
ONDUCTANCE(FLD)	umhos/cm	–	–	–	–	1175	1415	1279	910	875	1250
PHENOL	mg/l	–	ND	–	ND	–	0.005	–	–	–	–
pH (LAB)	Standard	–	–	–	6.60	–	–	–	7.02	7.04	6.97
pH (FLD)	Standard	–	–	–	–	6.70	7.10	7.00	7.74	6.73	6.72
TOC	mg/l	–	9.8	5.9	20.5	ND	7.3	–	2	2	3
TURBIDITY	NTU	–	–	–	–	–	–	–	141	16.5	41.4
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	ND	–	ND	0.21	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-16
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	1.46	–	0.736
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	ND	–	ND
BARIUM	mg/l	–	–	–	–	–	–	–	0.059	–	0.0486
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	0.0003
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	130	–	177
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0023	–	0.0048
COBALT	mg/l	–	–	–	–	–	–	–	ND	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0074	–	0.0028
IRON	mg/l	–	1.5	–	ND	–	ND	–	2.41	–	1.12
LEAD	mg/l	–	–	–	–	–	–	–	0.0083	–	0.0032
MAGNESIUM	mg/l	–	–	–	–	–	–	–	23.7	–	31.2
MANGANESE	mg/l	–	0.02	–	ND	–	ND	–	0.102	–	0.0647
MERCURY	mg/l	–	–	–	–	–	–	–	0.0001	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0083	–	0.0137
POTASSIUM	mg/l	–	–	–	–	–	–	–	0.678	–	1.53
SELENIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	4.9	–	8.2	–	3.8	–	3.54	–	6.01
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0029	–	0.0032
ZINC	mg/l	–	–	–	–	–	–	–	0.0248	–	0.0121
ISCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	ND
CHLORIDE	mg/l	–	1.9	–	1.7	–	5.32	–	1.7	3	4
SULFATE	mg/l	–	190	–	187	–	179	–	173	180	260
NITRATE	mg/l	–	–	–	–	–	–	–	0.08	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.13	0.84
TOX	mg/l	–	0.03	ND	ND	–	0.017	–	ND	ND	ND
NDUCTANCE(LAB)	umhos/cm	–	730	840	764	–	–	–	736	740	990
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	–	712	716	470	495	800
PHENOL	mg/l	–	ND	–	ND	–	0.002	–	–	–	–
pH (LAB)	Standard	–	–	–	6.70	–	–	–	7.23	7.46	7.15
pH (FLD)	Standard	–	–	–	–	–	7.30	7.10	7.64	7.27	6.75
TOC	mg/l	–	4	1	19.9	–	17	–	1.3	2	1
TURBIDITY	NTU	–	–	–	–	–	–	–	117	3.9	19
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	–	–	ND	ND	–	ND
RDX	ug/l	–	ND	ND	ND	–	–	ND	0.19	–	ND
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	ND
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	–	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	ND
TNT 2,4,6	ug/l	–	ND	ND	ND	–	–	ND	ND	–	ND
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	–	–	2.89	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	–	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-17
OB GROUNDS

PARAMETER	DATE/ UNITS	Mar-89	Mar-90	Sept-90	Mar-91	Sept-91	April 92	Sep 92	Jan-93	Apr-93	July-93
METALS											
ALUMINUM	mg/l	–	–	–	–	–	–	–	4.06	–	0.053
ANTIMONY	mg/l	–	–	–	–	–	–	–	ND	–	ND
ARSENIC	mg/l	–	–	–	–	–	–	–	0.0017	–	ND
BARIUM	mg/l	–	–	–	–	–	–	–	0.143	–	0.094
BERYLLIUM	mg/l	–	–	–	–	–	–	–	ND	–	0.0003
CADMIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
CALCIUM	mg/l	–	–	–	–	–	–	–	86	–	93.8
CHROMIUM	mg/l	–	–	–	–	–	–	–	0.0059	–	0.0039
COBALT	mg/l	–	–	–	–	–	–	–	0.0106	–	ND
COPPER	mg/l	–	–	–	–	–	–	–	0.0095	–	0.0024
IRON	mg/l	–	4	–	ND	–	ND	–	5.24	–	0.14
LEAD	mg/l	–	–	–	–	–	–	–	0.0087	–	0.0072
MAGNESIUM	mg/l	–	–	–	–	–	–	–	14	–	13.9
MANGANESE	mg/l	–	0.2	–	ND	–	ND	–	0.466	–	0.0094
MERCURY	mg/l	–	–	–	–	–	–	–	ND	–	ND
NICKEL	mg/l	–	–	–	–	–	–	–	0.0201	–	ND
POTASSIUM	mg/l	–	–	–	–	–	–	–	1.73	–	1.27
SELENIUM	mg/l	–	–	–	–	–	–	–	ND	–	0.0013
SILVER	mg/l	–	–	–	–	–	–	–	ND	–	ND
SODIUM	mg/l	–	4.8	–	5.4	–	4.8	–	4.11	–	5.1
THALLIUM	mg/l	–	–	–	–	–	–	–	ND	–	ND
VANADIUM	mg/l	–	–	–	–	–	–	–	0.0057	–	0.0047
ZINC	mg/l	–	–	–	–	–	–	–	0.0221	–	0.0092
ISCELLANEOUS											
CYANIDE	ug/l	–	–	–	–	–	–	–	ND	–	ND
CHLORIDE	mg/l	–	2.5	–	3.5	–	8.86	–	2	2	2
SULFATE	mg/l	–	59	–	44	–	59	–	49	44	59
NITRATE	mg/l	–	–	–	–	–	–	–	0.16	–	–
NITRITE	mg/l	–	–	–	–	–	–	–	ND	–	–
ITRATE&NITRITE	mg/l	–	–	–	–	–	–	–	–	0.14	0.1
TOX	mg/l	–	0.03	ND	ND	0.01	0.0064	–	ND	ND	0.03
NDUCTANCE(LAB)	umhos/cm	–	560	580	497	–	–	–	501	450	570
NDUCTANCE(FLD)	umhos/cm	–	–	–	–	616	521	501	330	330	455
PHENOL	mg/l	–	ND	–	ND	–	0.004	–	–	–	–
pH (LAB)	Standard	–	–	–	6.70	–	–	–	7.34	7.51	7.32
pH (FLD)	Standard	–	–	–	–	7.20	7.30	7.30	7.50	7.73	7.13
TOC	mg/l	–	2.1	2	8.5	5.3	7.6	–	0.9	ND	ND
TURBIDITY	NTU	–	–	–	–	–	–	–	>200	9	3.9
EXPLOSIVES											
HMX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	0.3
RDX	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	0.4
TNB 1,3,5	ug/l	–	–	ND	–	–	–	–	ND	–	0.3
DNB 1,3	ug/l	–	–	ND	–	–	–	–	ND	–	ND
TETRYL	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
NITROBENZENE	ug/l	–	–	–	–	–	–	–	–	–	0.7
TNT 2,4,6	ug/l	–	ND	ND	ND	ND	–	1.76	ND	–	0.3
NT 4-AMINO-2,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
NT 2-AMINO-4,6	ug/l	–	–	–	–	–	–	–	ND	–	ND
DNT 2,6	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
DNT 2,4	ug/l	–	ND	ND	ND	ND	–	ND	ND	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND
-NITROTOLUENE	ug/l	–	–	–	–	–	–	–	–	–	ND

MONITORING WELL MW-18
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	3.36	–	ND
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.0822	–	0.0305
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	118	–	123
CHROMIUM	mg/l	0.006	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	0.0062	–	ND
IRON	mg/l	3.82	–	0.0328
LEAD	mg/l	0.0064	–	0.0027
MAGNESIUM	mg/l	22.2	–	23.1
MANGANESE	mg/l	0.299	–	0.177
MERCURY	mg/l	ND	–	ND
NICKEL	mg/l	0.0083	–	ND
POTASSIUM	mg/l	1.99	–	1.4
SELENIUM	mg/l	0.0012	–	0.0011
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	19.5	–	21.3
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0057	–	ND
ZINC	mg/l	0.0199	–	0.0212
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	8.8	7	10
SULFATE	mg/l	143	110	140
NITRATE	mg/l	0.128	–	–
NITRITE	mg/l	0.002	–	–
NITRATE & NITRITE	mg/l	–	0.16	0.22
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	786	660	810
CONDUCTANCE(FLD)	umhos/cm	500	480	632
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.25	7.20	7.22
pH (FLD)	Standard	6.96	7.72	7.14
TOC	mg/l	0.8	ND	ND
TURBIDITY	NTU	185	3.6	2.2
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	ND	–	ND

MONITORING WELL MW-19
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	40.2	–	–
ANTIMONY	mg/l	ND	–	–
ARSENIC	mg/l	0.0069	–	–
BARIUM	mg/l	0.353	–	–
BERYLLIUM	mg/l	0.0031	–	–
CADMIUM	mg/l	ND	–	–
CALCIUM	mg/l	401	–	–
CHROMIUM	mg/l	0.0689	–	–
COBALT	mg/l	0.0509	–	–
COPPER	mg/l	0.0812	–	–
IRON	mg/l	63.8	–	–
LEAD	mg/l	0.0639	–	–
MAGNESIUM	mg/l	93.5	–	–
MANGANESE	mg/l	1.84	–	–
MERCURY	mg/l	0.00025	–	–
NICKEL	mg/l	0.136	–	–
POTASSIUM	mg/l	8.5	–	–
SELENIUM	mg/l	0.0044	–	–
SILVER	mg/l	ND	–	–
SODIUM	mg/l	50.9	–	–
THALLIUM	mg/l	ND	–	–
VANADIUM	mg/l	0.0566	–	–
ZINC	mg/l	0.628	–	–
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	–
CHLORIDE	mg/l	11.9	11	–
SULFATE	mg/l	580	500	–
NITRATE	mg/l	2.2	–	–
NITRITE	mg/l	0.002	–	–
NITRATE & NITRITE	mg/l	–	3.3	–
TOX	mg/l	ND	ND	–
CONDUCTANCE(LAB)	umhos/cm	1400	1200	–
CONDUCTANCE(FLD)	umhos/cm	900	1000	–
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.25	7.05	–
pH (FLD)	Standard	7.19	7.26	–
TOC	mg/l	1.8	ND	–
TURBIDITY	NTU	>200	84	–
EXPLOSIVES				
HMX	ug/l	ND	–	–
RDX	ug/l	ND	–	–
TNB 1,3,5	ug/l	ND	–	–
DNB 1,3	ug/l	ND	–	–
TETRYL	ug/l	ND	–	–
NITROBENZENE	ug/l	–	–	–
TNT 2,4,6	ug/l	ND	–	–
DNT 4-AMINO-2,6	ug/l	ND	–	–
DNT 2-AMINO-4,6	ug/l	ND	–	–
DNT 2,6	ug/l	ND	–	–
DNT 2,4	ug/l	ND	–	–
2-NITROTOLUENE	ug/l	–	–	–
3-NITROTOLUENE	ug/l	–	–	–
4-NITROTOLUENE	ug/l	–	–	–

MONITORING WELL MW-21
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	1.16	–	–
ANTIMONY	mg/l	ND	–	–
ARSENIC	mg/l	ND	–	–
BARIUM	mg/l	0.0409	–	–
BERYLLIUM	mg/l	ND	–	–
CADMIUM	mg/l	ND	–	–
CALCIUM	mg/l	82.9	–	–
CHROMIUM	mg/l	ND	–	–
COBALT	mg/l	ND	–	–
COPPER	mg/l	ND	–	–
IRON	mg/l	1.57	–	–
LEAD	mg/l	0.0015	–	–
MAGNESIUM	mg/l	13.1	–	–
MANGANESE	mg/l	0.218	–	–
MERCURY	mg/l	ND	–	–
NICKEL	mg/l	ND	–	–
POTASSIUM	mg/l	2.26	–	–
SELENIUM	mg/l	0.0016	–	–
SILVER	mg/l	ND	–	–
SODIUM	mg/l	40	–	–
THALLIUM	mg/l	ND	–	–
VANADIUM	mg/l	ND	–	–
ZINC	mg/l	0.0156	–	–
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	–
CHLORIDE	mg/l	2	89	–
SULFATE	mg/l	107	570	–
NITRATE	mg/l	0.64	–	–
NITRITE	mg/l	0.014	–	–
NITRATE & NITRITE	mg/l	–	0.57	–
TOX	mg/l	ND	ND	–
CONDUCTANCE(LAB)	umhos/cm	636	570	–
CONDUCTANCE(FLD)	umhos/cm	500	410	–
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.49	7.46	–
pH (FLD)	Standard	7.65	7.20	–
TOC	mg/l	0.7	ND	–
TURBIDITY	NTU	49	16	–
EXPLOSIVES				
HMX	ug/l	ND	–	–
RDX	ug/l	ND	–	–
TNB 1,3,5	ug/l	ND	–	–
DNB 1,3	ug/l	ND	–	–
TETRYL	ug/l	ND	–	–
NITROBENZENE	ug/l	–	–	–
TNT 2,4,6	ug/l	ND	–	–
DNT 4-AMINO-2,6	ug/l	ND	–	–
DNT 2-AMINO-4,6	ug/l	ND	–	–
DNT 2,6	ug/l	ND	–	–
DNT 2,4	ug/l	ND	–	–
2-NITROTOLUENE	ug/l	–	–	–
3-NITROTOLUENE	ug/l	–	–	–
4-NITROTOLUENE	ug/l	–	–	–

MONITORING WELL MW-22
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	0.539	–	0.138
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.0388	–	0.0412
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	101	–	141
CHROMIUM	mg/l	0.0033	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	0.0033	–	ND
IRON	mg/l	0.709	–	0.222
LEAD	mg/l	0.002	–	0.0013
MAGNESIUM	mg/l	14.7	–	19.7
MANGANESE	mg/l	0.0413	–	0.124
MERCURY	mg/l	0.00007	–	ND
NICKEL	mg/l	0.0036	–	ND
POTASSIUM	mg/l	0.821	–	1.45
SELENIUM	mg/l	ND	–	ND
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	4.35	–	6.88
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0032	–	ND
ZINC	mg/l	0.0094	–	0.0122
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	2.4	3	2
SULFATE	mg/l	134	120	190
NITRATE	mg/l	0.073	–	–
NITRITE	mg/l	0.007	–	–
NITRATE & NITRITE	mg/l	–	0.13	ND
TOX	mg/l	ND	–	ND
CONDUCTANCE(LAB)	umhos/cm	560	620	810
CONDUCTANCE(FLD)	umhos/cm	400	450	625
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.36	7.61	7.23
pH (FLD)	Standard	7.16	7.34	7.23
TOC	mg/l	1	3	1
TURBIDITY	NTU	33	1.4	19
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW-23
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	0.0674	–	ND
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.0385	–	0.0419
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	0.0026
CALCIUM	mg/l	136	–	129
CHROMIUM	mg/l	ND	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	ND	–	0.0024
IRON	mg/l	0.247	–	0.191
LEAD	mg/l	ND	–	0.0072
MAGNESIUM	mg/l	25.9	–	30.1
MANGANESE	mg/l	0.0717	–	0.0652
MERCURY	mg/l	0.00007	–	ND
NICKEL	mg/l	ND	–	ND
POTASSIUM	mg/l	1.46	–	1.53
SELENIUM	mg/l	ND	–	ND
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	12.4	–	15.4
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	ND	–	ND
ZINC	mg/l	0.0042	–	0.0123
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	10.1	19	22
SULFATE	mg/l	250	180	260
NITRATE	mg/l	0.024	–	–
NITRITE	mg/l	0.006	–	–
NITRATE & NITRITE	mg/l	–	0.34	ND
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	837	860	990
CONDUCTANCE(FLD)	umhos/cm	600	600	775
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.3	7.44	7.25
pH (FLD)	Standard	7.1	6.66	6.85
TOC	mg/l	0.8	1	ND
TURBIDITY	NTU	8	8.1	1.6
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW–24
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan–93	Apr–93	July–93
METALS				
ALUMINUM	mg/l	4.6	–	1.01
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.138	–	0.113
BERYLLIUM	mg/l	0.00075	–	0.0004
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	142	–	170
CHROMIUM	mg/l	0.0071	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	0.0371	–	0.0078
IRON	mg/l	6.22	–	1.39
LEAD	mg/l	0.0351	–	0.0125
MAGNESIUM	mg/l	56	–	53.6
MANGANESE	mg/l	0.116	–	0.0203
MERCURY	mg/l	ND	–	ND
NICKEL	mg/l	0.0107	–	ND
POTASSIUM	mg/l	4.53	–	4.69
SELENIUM	mg/l	0.0049	–	0.0017
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	37.8	–	48.5
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.006	–	0.0033
ZINC	mg/l	0.0625	–	0.0251
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	33	35	38
SULFATE	mg/l	165	200	240
NITRATE	mg/l	11.2	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	13	16
TOX	mg/l	ND	0.04	ND
CONDUCTANCE(LAB)	umhos/cm	1150	1200	1300
CONDUCTANCE(FLD)	umhos/cm	730	750	1050
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.20	7.22	7.22
pH (FLD)	Standard	7.22	7.39	6.78
TOC	mg/l	1.7	ND	2
TURBIDITY	NTU	>200	8.6	42
EXPLOSIVES				
HMX	ug/l	ND	–	3.1
RDX	ug/l	ND	–	2.7
TNB 1,3,5	ug/l	ND	–	2.2
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	2.1
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	1.2
DNT 4–AMINO–2,6	ug/l	ND	–	ND
DNT 2–AMINO–4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	0.2
2–NITROTOLUENE	ug/l	–	–	ND
3–NITROTOLUENE	ug/l	–	–	ND
4–NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW-25
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	0.649	–	0.333
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.0896	–	0.0605
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	110	–	92.8
CHROMIUM	mg/l	ND	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	ND	–	0.0057
IRON	mg/l	1.1	–	0.508
LEAD	mg/l	0.004	–	0.0026
MAGNESIUM	mg/l	19.7	–	16.6
MANGANESE	mg/l	0.0578	–	0.0445
MERCURY	mg/l	0.00006	–	ND
NICKEL	mg/l	ND	–	ND
POTASSIUM	mg/l	1.48	–	1.16
SELENIUM	mg/l	ND	–	ND
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	2.7	–	3.72
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	ND	–	ND
ZINC	mg/l	0.0057	–	0.0164
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	1.9	3	2
SULFATE	mg/l	38	39	41
NITRATE	mg/l	ND	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	ND	ND
TOX	mg/l	ND	ND	0.03
CONDUCTANCE(LAB)	umhos/cm	583	530	550
CONDUCTANCE(FLD)	umhos/cm	403	380	400
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.19	7.23	7.36
pH (FLD)	Standard	7.89	7.60	7.34
TOC	mg/l	1.1	2	2
TURBIDITY	NTU	114.5	5.4	20.4
EXPLOSIVES				
HMX	ug/l	ND	–	6.7
RDX	ug/l	0.21	–	5.6
TNB 1,3,5	ug/l	ND	–	3
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	5
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	2
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW–26
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan–93	Apr–93	July–93
METALS				
ALUMINUM	mg/l	1.66	–	–
ANTIMONY	mg/l	ND	–	–
ARSENIC	mg/l	0.0041	–	–
BARIUM	mg/l	0.0631	–	–
BERYLLIUM	mg/l	ND	–	–
CADMIUM	mg/l	ND	–	–
CALCIUM	mg/l	135	–	–
CHROMIUM	mg/l	0.0054	–	–
COBALT	mg/l	ND	–	–
COPPER	mg/l	0.0481	–	–
IRON	mg/l	0.308	–	–
LEAD	mg/l	0.0031	–	–
MAGNESIUM	mg/l	0.262	–	–
MANGANESE	mg/l	0.0105	–	–
MERCURY	mg/l	0.00007	–	–
NICKEL	mg/l	0.0093	–	–
POTASSIUM	mg/l	24.7	–	–
SELENIUM	mg/l	ND	–	–
SILVER	mg/l	ND	–	–
SODIUM	mg/l	91.8	–	–
THALLIUM	mg/l	ND	–	–
VANADIUM	mg/l	0.0074	–	–
ZINC	mg/l	0.0177	–	–
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	–
CHLORIDE	mg/l	2.2	2	–
SULFATE	mg/l	20	9	–
NITRATE	mg/l	ND	–	–
NITRITE	mg/l	0.06	–	–
NITRATE & NITRITE	mg/l	–	0.09	–
TOX	mg/l	ND	ND	–
CONDUCTANCE(LAB)	umhos/cm	2190	4400	–
CONDUCTANCE(FLD)	umhos/cm	1530	3000	–
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	12.29	12.09	–
pH (FLD)	Standard	12.89	12.14	–
TOC	mg/l	9.1	16	–
TURBIDITY	NTU	22.3	13	–
EXPLOSIVES				
HMX	ug/l	ND	–	–
RDX	ug/l	ND	–	–
TNB 1,3,5	ug/l	ND	–	–
DNB 1,3	ug/l	ND	–	–
TETRYL	ug/l	ND	–	–
NITROBENZENE	ug/l	–	–	–
TNT 2,4,6	ug/l	ND	–	–
DNT 4–AMINO–2,6	ug/l	ND	–	–
DNT 2–AMINO–4,6	ug/l	ND	–	–
DNT 2,6	ug/l	ND	–	–
DNT 2,4	ug/l	ND	–	–
2–NITROTOLUENE	ug/l	–	–	–
3–NITROTOLUENE	ug/l	–	–	–
4–NITROTOLUENE	ug/l	–	–	–

MONITORING WELL MW-27
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	1.38	–	0.0176
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.132	–	0.082
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	127	–	107
CHROMIUM	mg/l	0.0035	–	ND
COBALT	mg/l	0.0052	–	ND
COPPER	mg/l	0.007	–	ND
IRON	mg/l	2.38	–	0.0627
LEAD	mg/l	0.0109	–	0.0058
MAGNESIUM	mg/l	63.2	–	56.1
MANGANESE	mg/l	0.228	–	0.165
MERCURY	mg/l	ND	–	ND
NICKEL	mg/l	0.0091	–	ND
POTASSIUM	mg/l	7.33	–	7.97
SELENIUM	mg/l	ND	–	ND
SILVER	mg/l	0.0033	–	ND
SODIUM	mg/l	17.6	–	18.5
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0033	–	ND
ZINC	mg/l	0.0156	–	0.0147
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	9.6	13	11
SULFATE	mg/l	98	73	110
NITRATE	mg/l	0.276	–	–
NITRITE	mg/l	0.004	–	–
NITRATE & NITRITE	mg/l	–	ND	2.1
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	969	830	990
CONDUCTANCE(FLD)	umhos/cm	630	550	750
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.37	7.26	7.43
pH (FLD)	Standard	7.32	7.74	7.22
TOC	mg/l	1.2	1	ND
TURBIDITY	NTU	146	5.8	1.4
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW–28
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan–93	Apr–93	July–93
METALS				
ALUMINUM	mg/l	0.654	–	0.338
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	0.0014
BARIUM	mg/l	0.0686	–	0.0589
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	69.7	–	50.8
CHROMIUM	mg/l	0.0026	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	0.0025	–	ND
IRON	mg/l	0.132	–	ND
LEAD	mg/l	ND	–	ND
MAGNESIUM	mg/l	3.47	–	2.89
MANGANESE	mg/l	0.0037	–	ND
MERCURY	mg/l	ND	–	ND
NICKEL	mg/l	ND	–	ND
POTASSIUM	mg/l	10.8	–	8.82
SELENIUM	mg/l	0.0013	–	0.0019
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	62.3	–	46.6
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0045	–	0.003
ZINC	mg/l	0.0029	–	0.0037
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	2
CHLORIDE	mg/l	4.8	3	5
SULFATE	mg/l	94	80	100
NITRATE	mg/l	1.92	–	–
NITRITE	mg/l	0.014	–	–
NITRATE & NITRITE	mg/l	–	1.7	0.73
TOX	mg/l	ND	ND	0.02
CONDUCTANCE(LAB)	umhos/cm	811	650	470
CONDUCTANCE(FLD)	umhos/cm	550	800	775
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	11.62	11.17	11.18
pH (FLD)	Standard	10.77	11.75	11.30
TOC	mg/l	1.9	ND	1
TURBIDITY	NTU	86	48.8	1.5
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4–AMINO–2,6	ug/l	ND	–	ND
DNT 2–AMINO–4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2–NITROTOLUENE	ug/l	–	–	ND
3–NITROTOLUENE	ug/l	–	–	ND
4–NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW-29
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	1.67	–	3.94
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	0.0011
BARIUM	mg/l	0.103	–	0.112
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	113	–	135
CHROMIUM	mg/l	0.0037	–	0.0037
COBALT	mg/l	0.0099	–	0.0041
COPPER	mg/l	0.0038	–	0.0076
IRON	mg/l	2.41	–	4.71
LEAD	mg/l	0.0056	–	0.003
MAGNESIUM	mg/l	27.7	–	32.9
MANGANESE	mg/l	0.185	–	0.113
MERCURY	mg/l	ND	–	ND
NICKEL	mg/l	0.0082	–	ND
POTASSIUM	mg/l	1.13	–	2.86
SELENIUM	mg/l	0.0013	–	0.0013
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	11.2	–	13.2
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	ND	–	0.007
ZINC	mg/l	0.0214	–	0.0226
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	3.2
CHLORIDE	mg/l	3.9	4	6
SULFATE	mg/l	103	99	120
NITRATE	mg/l	2.2	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	2.3	1.2
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	674	700	760
CONDUCTANCE(FLD)	umhos/cm	490	440	625
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.66	7.16	7.08
pH (FLD)	Standard	6.95	7.88	7.65
TOC	mg/l	1	2	1
TURBIDITY	NTU	>200	–	11.3
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	0.063	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW–30
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan–93	Apr–93	July–93
METALS				
ALUMINUM	mg/l	0.45	–	ND
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	ND
BARIUM	mg/l	0.0902	–	0.0923
BERYLLIUM	mg/l	0.00053	–	ND
CADMIUM	mg/l	0.0083	–	ND
CALCIUM	mg/l	157	–	180
CHROMIUM	mg/l	ND	–	ND
COBALT	mg/l	ND	–	ND
COPPER	mg/l	ND	–	ND
IRON	mg/l	0.608	–	ND
LEAD	mg/l	ND	–	0.0018
MAGNESIUM	mg/l	24.2	–	26
MANGANESE	mg/l	0.0249	–	0.0084
MERCURY	mg/l	0.00007	–	ND
NICKEL	mg/l	0.0041	–	ND
POTASSIUM	mg/l	1.98	–	1.28
SELENIUM	mg/l	0.0012	–	ND
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	20.3	–	20.3
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	ND	–	ND
ZINC	mg/l	0.0112	–	0.0065
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	ND
CHLORIDE	mg/l	19.9	25	30
SULFATE	mg/l	305	250	250
NITRATE	mg/l	0.64	–	–
NITRITE	mg/l	0.003	–	–
NITRATE & NITRITE	mg/l	–	0.68	0.54
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	926	980	1000
CONDUCTANCE(FLD)	umhos/cm	610	625	775
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	6.93	7.00	7.00
pH (FLD)	Standard	7.03	7.44	6.61
TOC	mg/l	1.2	2	1
TURBIDITY	NTU	30	3.5	1.2
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4–AMINO–2,6	ug/l	ND	–	ND
DNT 2–AMINO–4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2–NITROTOLUENE	ug/l	–	–	ND
3–NITROTOLUENE	ug/l	–	–	ND
4–NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW-31
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	27.3	–	1.46
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	0.0094	–	0.0018
BARIUM	mg/l	0.328	–	0.0571
BERYLLIUM	mg/l	0.0025	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	269	–	131
CHROMIUM	mg/l	0.0499	–	ND
COBALT	mg/l	0.0312	–	ND
COPPER	mg/l	0.0645	–	0.0025
IRON	mg/l	40.7	–	2.29
LEAD	mg/l	0.0816	–	0.0027
MAGNESIUM	mg/l	46.7	–	31.9
MANGANESE	mg/l	1.14	–	0.0866
MERCURY	mg/l	0.00007	–	ND
NICKEL	mg/l	0.0821	–	ND
POTASSIUM	mg/l	7.91	–	3.65
SELENIUM	mg/l	0.0035	–	ND
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	36	–	24.5
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0407	–	ND
ZINC	mg/l	0.186	–	0.0142
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	3.8
CHLORIDE	mg/l	4.1	4	6
SULFATE	mg/l	290	230	210
NITRATE	mg/l	4.2	–	–
NITRITE	mg/l	0.019	–	–
NITRATE & NITRITE	mg/l	–	3.6	4.1
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	928	910	860
CONDUCTANCE(FLD)	umhos/cm	600	600	700
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.26	7.23	7.37
pH (FLD)	Standard	7.26	7.40	7.22
TOC	mg/l	1.2	ND	3
TURBIDITY	NTU	>200	15	67.2
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	ND	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

MONITORING WELL MW-32
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	16.3	–	–
ANTIMONY	mg/l	ND	–	–
ARSENIC	mg/l	0.0028	–	–
BARIUM	mg/l	0.212	–	–
BERYLLIUM	mg/l	0.0015	–	–
CADMIUM	mg/l	ND	–	–
CALCIUM	mg/l	131	–	–
CHROMIUM	mg/l	0.0278	–	–
COBALT	mg/l	0.017	–	–
COPPER	mg/l	0.033	–	–
IRON	mg/l	26.7	–	–
LEAD	mg/l	0.0243	–	–
MAGNESIUM	mg/l	30.1	–	–
MANGANESE	mg/l	0.587	–	–
MERCURY	mg/l	0.00007	–	–
NICKEL	mg/l	0.0472	–	–
POTASSIUM	mg/l	5.29	–	–
SELENIUM	mg/l	0.0023	–	–
SILVER	mg/l	ND	–	–
SODIUM	mg/l	9.73	–	–
THALLIUM	mg/l	ND	–	–
VANADIUM	mg/l	0.0243	–	–
ZINC	mg/l	0.0857	–	–
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	–
CHLORIDE	mg/l	3.2	2	–
SULFATE	mg/l	81	82	–
NITRATE	mg/l	0.05	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	0.05	–
TOX	mg/l	ND	ND	–
CONDUCTANCE(LAB)	umhos/cm	621	610	–
CONDUCTANCE(FLD)	umhos/cm	392	360	525
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.25	7.24	–
pH (FLD)	Standard	7.29	8.36	7.23
TOC	mg/l	1.1	ND	–
TURBIDITY	NTU	174	–	15.7
EXPLOSIVES				
HMX	ug/l	ND	–	–
RDX	ug/l	ND	–	–
TNB 1,3,5	ug/l	ND	–	–
DNB 1,3	ug/l	ND	–	–
TETRYL	ug/l	ND	–	–
NITROBENZENE	ug/l	–	–	–
TNT 2,4,6	ug/l	ND	–	–
DNT 4-AMINO-2,6	ug/l	ND	–	–
DNT 2-AMINO-4,6	ug/l	ND	–	–
DNT 2,6	ug/l	ND	–	–
DNT 2,4	ug/l	ND	–	–
2-NITROTOLUENE	ug/l	–	–	–
3-NITROTOLUENE	ug/l	–	–	–
4-NITROTOLUENE	ug/l	–	–	–

MONITORING WELL MW–34
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan–93	Apr–93	July–93
METALS				
ALUMINUM	mg/l	4.31	–	–
ANTIMONY	mg/l	ND	–	–
ARSENIC	mg/l	ND	–	–
BARIUM	mg/l	0.359	–	–
BERYLLIUM	mg/l	0.001	–	–
CADMIUM	mg/l	ND	–	–
CALCIUM	mg/l	457	–	–
CHROMIUM	mg/l	0.005	–	–
COBALT	mg/l	0.0486	–	–
COPPER	mg/l	0.0077	–	–
IRON	mg/l	3.1	–	–
LEAD	mg/l	0.0035	–	–
MAGNESIUM	mg/l	27.7	–	–
MANGANESE	mg/l	2.92	–	–
MERCURY	mg/l	0.00032	–	–
NICKEL	mg/l	0.0414	–	–
POTASSIUM	mg/l	1.83	–	–
SELENIUM	mg/l	ND	–	–
SILVER	mg/l	ND	–	–
SODIUM	mg/l	5.78	–	–
THALLIUM	mg/l	ND	–	–
VANADIUM	mg/l	0.0034	–	–
ZINC	mg/l	0.0327	–	–
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	–
CHLORIDE	mg/l	4.6	3	–
SULFATE	mg/l	41	29	–
NITRATE	mg/l	0.16	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	0.16	–
TOX	mg/l	ND	ND	–
CONDUCTANCE(LAB)	umhos/cm	499	490	–
CONDUCTANCE(FLD)	umhos/cm	370	300	–
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.79	7.21	–
pH (FLD)	Standard	8.20	6.90	–
TOC	mg/l	2.2	1	–
TURBIDITY	NTU	101.1	102.7	–
EXPLOSIVES				
HMX	ug/l	ND	–	–
RDX	ug/l	0.19	–	–
TNB 1,3,5	ug/l	ND	–	–
DNB 1,3	ug/l	ND	–	–
TETRYL	ug/l	ND	–	–
NITROBENZENE	ug/l	–	–	–
TNT 2,4,6	ug/l	ND	–	–
DNT 4–AMINO–2,6	ug/l	ND	–	–
DNT 2–AMINO–4,6	ug/l	ND	–	–
DNT 2,6	ug/l	ND	–	–
DNT 2,4	ug/l	ND	–	–
2–NITROTOLUENE	ug/l	–	–	–
3–NITROTOLUENE	ug/l	–	–	–
4–NITROTOLUENE	ug/l	–	–	–

MONITORING WELL MW-35
OB GROUNDS

PARAMETER	DATE/ UNITS	Jan-93	Apr-93	July-93
METALS				
ALUMINUM	mg/l	2.42	–	0.207
ANTIMONY	mg/l	ND	–	ND
ARSENIC	mg/l	ND	–	0.001
BARIUM	mg/l	0.137	–	0.0973
BERYLLIUM	mg/l	ND	–	ND
CADMIUM	mg/l	ND	–	ND
CALCIUM	mg/l	105	–	108
CHROMIUM	mg/l	0.0041	–	ND
COBALT	mg/l	0.0052	–	ND
COPPER	mg/l	0.0078	–	ND
IRON	mg/l	3.78	–	0.321
LEAD	mg/l	0.0034	–	0.0028
MAGNESIUM	mg/l	15	–	15.6
MANGANESE	mg/l	0.403	–	0.0234
MERCURY	mg/l	0.00007	–	ND
NICKEL	mg/l	0.0077	–	ND
POTASSIUM	mg/l	1.41	–	1.4
SELENIUM	mg/l	ND	–	0.0012
SILVER	mg/l	ND	–	ND
SODIUM	mg/l	14.9	–	13.4
THALLIUM	mg/l	ND	–	ND
VANADIUM	mg/l	0.0032	–	ND
ZINC	mg/l	0.0715	–	0.0727
MISCELLANEOUS				
CYANIDE	ug/l	ND	–	2.8
CHLORIDE	mg/l	2.3	2	2
SULFATE	mg/l	44	36	41
NITRATE	mg/l	0.24	–	–
NITRITE	mg/l	ND	–	–
NITRATE & NITRITE	mg/l	–	0.18	0.18
TOX	mg/l	ND	ND	ND
CONDUCTANCE(LAB)	umhos/cm	549	550	580
CONDUCTANCE(FLD)	umhos/cm	390	330	465
PHENOL	mg/l	–	–	–
pH (LAB)	Standard	7.82	7.32	7.21
pH (FLD)	Standard	8.08	6.90	7.30
TOC	mg/l	1.5	ND	1
TURBIDITY	NTU	>200	7.2	1.5
EXPLOSIVES				
HMX	ug/l	ND	–	ND
RDX	ug/l	0.17	–	ND
TNB 1,3,5	ug/l	ND	–	ND
DNB 1,3	ug/l	ND	–	ND
TETRYL	ug/l	ND	–	ND
NITROBENZENE	ug/l	–	–	ND
TNT 2,4,6	ug/l	ND	–	ND
DNT 4-AMINO-2,6	ug/l	ND	–	ND
DNT 2-AMINO-4,6	ug/l	ND	–	ND
DNT 2,6	ug/l	ND	–	ND
DNT 2,4	ug/l	ND	–	ND
2-NITROTOLUENE	ug/l	–	–	ND
3-NITROTOLUENE	ug/l	–	–	ND
4-NITROTOLUENE	ug/l	–	–	ND

SECTION 2.0
Explosives:

2.1 Summary of Explosive Analysis Results

2.2 Explosive Analysis Results

2.1 Summary of Explosive Analysis Results

OB GROUNDS THIRD QUARTER 1993 MONITORING
SUMMARY OF EXPLOSIVES ANALYSES
SENECA ARMY DEPOT
ROMULUS, NEW YORK

COMPOUND	MONITORING WELLS					
	W8MRDR	MW9	MW13	MW17	MW24	MW25
HMX	0.1 U	0.4	0.1 U	0.3	3.1	6.7
RDX	0.1 U	1.3	0.8	0.4	2.7	5.6
1,3,5-Trinitrobenzene	0.1 U	1.3	0.1 U	0.3	2.2	3
1,3-Dinitrobenzene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
Tetryl	0.1 U	1	0.1 U	0.1 U	2.1	5
Nitrobenzene	0.1 U	0.1 U	0.1 U	0.7	0.1 U	0.2 U
2,4,6-Trinitrotoluene	0.1 U	1	0.1 U	0.3	1.2	2
4-Amino-2,6-dinitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
2-Amino-4,6-dinitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
2,6-Dinitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
2,4-Dinitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2 U
2-Nitrotoluene	0.2	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
3-Nitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
4-Nitrotoluene	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U

EXPLDAT3.WK3

2.2 Explosive Analysis Results

OB GROUNDS THIRD QUARTER MONITORING
EXPLOSIVES ANALYSIS RESULTS

P.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/21/93		07/21/93		07/21/93		07/25/93		07/26/93		07/27/93		07/27/93	
	ES ID	MW1		MW2		MW3		MW4		MW6		MW8MRD		W8MRDR	
	LAB ID	36914-001		36914-018		36914-002		36960-006		36969-007		36988-001		36988-002	
	UNITS														
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
trobenzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
benzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ne	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
trotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
-2,6-dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
-4,6-dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

OB GROUNDS THIRD QUARTER MONITORING
EXPLOSIVES ANALYSIS RESULTS

.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/25/93		07/26/93		07/22/93		07/25/93		07/22/93		07/22/93		07/22/93	
	ES ID	MW9		MW11		MW12		MW13		MW14		MW15		MW16	
	LAB ID	36960-002		36969-005		36929-007		36960-007		36929-008		36929-001		36929-002	
	UNITS														
	ug/L	0.4		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	1.3		0.1	U	0.1	U	0.8		0.1	U	0.1	U	0.1	U
robenzene	ug/L	1.3		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
benzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
e	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
rotoluene	ug/L	1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
2,6-dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
4,6-dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
toluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
toluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

OB GROUNDS THIRD QUARTER MONITORING
EXPLOSIVES ANALYSIS RESULTS

P.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/23/93		07/23/93		07/21/93		07/22/93		07/23/93		07/23/93		07/22/93	
	ES ID	MW17		MW18		MW22		MW23		MW24		MW25		MW27	
	LAB ID	36929–005		36929–006		36914–017		36929–009		36929–004		36929–003		36929–010	
	UNITS														
	ug/L	0.3		0.1	U	0.1	U	0.1	U	3.1		6.7		0.1	U
	ug/L	0.4		0.1	U	0.1	U	0.1	U	2.7		5.6		0.1	U
trobenzene	ug/L	0.3		0.1	U	0.1	U	0.1	U	2.2		3		0.1	U
benzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	2.1		5		0.1	U
ne	ug/L	0.7		0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
trotoluene	ug/L	0.3		0.1	U	0.1	U	0.1	U	1.2		2		0.1	U
2,6–dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
4,6–dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.2		0.2	U	0.1	U
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U
uene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2	U	0.1	U

OB GROUNDS THIRD QUARTER MONITORING
EXPLOSIVES ANALYSIS RESULTS

WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/26/93		07/26/93		07/26/93		07/26/93		07/25/93		07/25/93		07/25/93	
	ES ID	MW28		MW29		MW122(–)		MW29R		MW30		MW31		MW123(=)	
	LAB ID	36969–006		36969–002		36969–004		36969–001		36960–003		36960–005		36960–004	
	UNITS														
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
obenzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
enzene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
e	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
,6–dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
,6–dinitrotoluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
oluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
oluene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
ene	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

NOTES:

(1) (–) Duplicate of MW–29
(2) (=) Duplicate of MW–31

OB GROUNDS THIRD QUARTER MONITORING
EXPLOSIVES ANALYSIS RESULTS

WK3	MATRIX	WATER		WATER	
	SITE	OB		OB	
	DATE SAMPL'D	07/25/93		07/26/93	
	ES ID	MW31R		MW35	
	LAB ID	36960–001		36969–003	
	UNITS				
	ug/L	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U
obenzene	ug/L	0.1	U	0.1	U
enzene	ug/L	0.1	U	0.1	U
	ug/L	0.1	U	0.1	U
e	ug/L	0.1	U	0.1	U
otoluene	ug/L	0.1	U	0.1	U
,6–dinitrotoluene	ug/L	0.1	U	0.1	U
,6–dinitrotoluene	ug/L	0.1	U	0.1	U
oluene	ug/L	0.1	U	0.1	U
oluene	ug/L	0.1	U	0.1	U
ne	ug/L	0.1	U	0.1	U
ne	ug/L	0.1	U	0.1	U
ne	ug/L	0.1	U	0.1	U

Section 3.0
Inorganics

OB GROUNDS THIRD QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

ET.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/21/93		07/21/93		07/21/93		07/25/93		07/26/93		07/27/93		07/27/93	
	ES ID	MW1		MW2		MW3		MW4		MW6		MW8MRD		W8MRDR	
	LAB ID	36914-003		36914-020		36914-004		36960-020		36969-021		36988-005		36988-006	
	UNITS														
M	ug/L	3410		1140		348		2130		2050		487		14.6	
Y	ug/L	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.6	
	ug/L	1	J	0.8	U	0.8	U	1.6	J	1	J	1	J	0.6	
	ug/L	86.7	J	80.8	J	37.1	J	53.4	J	86.9	J	27.1	J	1.1	
IM	ug/L	0.5	J	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	
I	ug/L	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	
	ug/L	138000		122000		112000		151000		110000		302000		144	
UM	ug/L	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	
	ug/L	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	
	ug/L	5.6	J	10.1	J	3	J	6.4	J	3.4	J	2.1	U	3.6	
	ug/L	3120	R	1340		399		2640		2370		855		11.6	
	ug/L	4.7		1.8	R	1.5	R	2.9	R	1.8	R	1	R	4.1	
UM	ug/L	29900		20400		29600		35200		31700		61800		18	
ESE	ug/L	35.5		86.2		10.1	J	162		37.2		17.6		3	
Y	ug/L	0.1	U	0.1	U	0.1	U	0.13	J	0.1	U	0.1	U	0.1	
	ug/L	11.1	J	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	
UM	ug/L	2660	J	1880	J	1100	J	3090	J	2110	J	2590	J	165	
M	ug/L	1.1	J	1.1	UJ	1.1	UJ	1.2	J	2	J	1.1	U	1.1	
	ug/L	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	
	ug/L	13000		18900		7620		25500		10300		15100		261	
I	ug/L	1.2	U	1.2	U	1.2	U	1.2	UJ	1.2	UJ	1.2	UJ	1.2	
M	ug/L	8.4	J	3.1	J	3	U	5.5	J	5.2	J	3	U	3	
	ug/L	34.6	R	12	R	4.3	R	21	R	10.3	R	2.9	R	21.4	
	ug/L	4.3	J	1.8	U	1.8	U	2.4	J	3.3	J	3	J	2	

OB GROUNDS THIRD QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

ET.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/25/93		07/26/93		07/22/93		07/25/93		07/22/93		07/22/93		07/22/93	
	ES ID	MW9		MW11		MW12		MW13		MW14		MW15		MW16	
	LAB ID	36960-016		36969-019		36929-020		36960-021		36929-021		36929-011		36929-012	
	UNITS														
M	ug/L	551		22.6	J	547		542		1560		821		736	
NY	ug/L	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.8	
	ug/L	1	J	0.98	J	0.8	U	0.89	J	0.8	U	0.86	J	0.8	
	ug/L	80.5	J	103	J	116	J	104	J	80.8	J	118	J	48.6	
UM	ug/L	0.3	U	0.3	U	0.3	U	0.3	U	0.5	J	0.3	J	0.3	
M	ug/L	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	
I	ug/L	192000		201000		101000		186000		198000		261000		177000	
UM	ug/L	3.3	U	3.3	U	3.3	U	3.3	R	4.1	J	3.3	U	4.8	
	ug/L	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	
	ug/L	2.1	U	2.1	U	3.1	J	2.1	U	5.2	J	4.4	J	2.8	
	ug/L	1230		53.3	J	876		660		2580		1250		1120	
	ug/L	5.8	R	7.3	R	2.2	R	3.3	R	13.2	R	10	R	3.2	
IUM	ug/L	42400		29600		69100		33900		38200		49700		31200	
IESE	ug/L	96.7		69		50.4		46.2		41		44.9		64.7	
Y	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	
	ug/L	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	13.7	
UM	ug/L	3470	J	2080	J	10000		1940	J	2160	J	2340	J	1530	
M	ug/L	2.3	J	1.1	U	1.1	UJ	1.7	J	2.3	J	1.2	J	1.1	
	ug/L	2.6	U	2.8	U	2.8	U	2.6	U	2.6	U	2.6	U	2.6	
	ug/L	13100		33200		19800		19400		37500		26600		6010	
M	ug/L	1.2	UJ	1.2	UJ	1.2	U	1.2	UJ	1.2	U	1.2	U	1.2	
M	ug/L	3	J	3	J	3	U	3	J	4.3	J	3	U	3.2	
	ug/L	11.5	R	6.6	R	5.4	R	10.6	R	16.4	R	22.1	R	12.1	
	ug/L	6.2		2	J	1.8	U	3	J	4.8	J	2.4	J	1.8	

OB GROUNDS THIRD QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

ET.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/23/93		07/23/93		07/21/93		07/22/93		07/23/93		07/23/93		07/22/93	
	ES ID	MW17		MW18		MW22		MW23		MW24		MW25		MW27	
	LAB ID	36929-018		36929-019		36914-019		36929-022		36929-017		36929-016		36929-023	
	UNITS														
E															
UM	ug/L	53	J	14.6	U	138	J	14.6	U	1010		333		17.6	
NY	ug/L	16.8	U	16.8	U	16.8	U	16.8	U	21.7	J	16.8	U	16.8	
C	ug/L	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	
	ug/L	94	J	30.5	J	41.2	J	41.9	J	113	J	60.5	J	82	
UM	ug/L	0.3	J	0.3	U	0.3	U	0.3	U	0.4	J	0.3	U	0.3	
M	ug/L	2.4	U	2.4	U	2.4	U	2.6	J	2.4	U	2.4	U	2.4	
M	ug/L	93800		123000		141000		129000		170000		92800		107000	
UM	ug/L	3.9	J	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U	3.3	
	ug/L	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	U	2.7	
	ug/L	2.4	J	2.1	U	2.1	U	2.4	J	7.8	J	5.7	J	2.1	
	ug/L	140		32.8	J	222		191		1390		508		62.7	
	ug/L	7.2	R	2.7	R	1.3	R	7.2	R	12.5	R	2.6	R	5.8	
SIUM	ug/L	13900		23100		19700		30100		53800		16800		56100	
NESE	ug/L	9.4	J	177		124		65.2		20.3		44.5		165	
NY	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	
	ug/L	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	
UM	ug/L	1270	J	1400	J	1450	J	1530	J	4690	J	1160	J	7970	
M	ug/L	1.3	J	1.1	J	1.1	UJ	1.1	UJ	1.7	J	1.1	UJ	1.1	
	ug/L	2.6	U	2.6	U	2.6	J	2.6	U	2.6	U	2.6	U	2.6	
	ug/L	5100		21300		6880		15400		48500		3720	J	18500	
M	ug/L	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	
UM	ug/L	4.7	J	3	U	3	U	3	U	3.3	J	3	U	3	
	ug/L	9.2	R	21.2	R	12.2	R	12.3	R	25.1	R	16.4	R	14.7	
E	ug/L	1.8	U	1.8	U	1.8	U	1.8	U	1.6	U	1.8	U	1.8	

OB GROUNDS THIRD QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

ET.WK3	MATRIX	WATER		WATER		WATER		WATER		WATER		WATER		WATER	
	SITE	OB		OB		OB		OB		OB		OB		OB	
	DATE SAMPL'D	07/26/93		07/26/93		07/26/93		07/26/93		07/25/93		07/25/93		07/25/93	
	ES ID	MW28		MW29		MW122(-)		MW29R		MW30		MW31		MW123(=)	
	LAB ID	36969-020		36969-016		36969-018		36969-015		36960-017		36960-019		36960-018	
	UNITS														
IM	ug/L	338		3940		4760		14.6	U	14.6	U	1460		2480	
NY	ug/L	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.8	U	16.8	
	ug/L	1.4	J	1.1	J	1.1	J	0.8	U	0.8	U	1.8	J	2	
	ug/L	58.9	J	112	J	118	J	1.1	U	92.3	J	57.1	J	64.3	
UM	ug/L	0.3	U	0.3	J	0.41	J	0.3	U	0.3	U	0.3	U	0.3	
M	ug/L	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U	2.4	
I	ug/L	50800		135000		135000		292	J	180000		131000		129000	
UM	ug/L	3.3	U	3.7	J	5.2	J	3.3	U	3.3	U	3.3	U	3.3	
	ug/L	2.7	U	4.1	J	3.8	J	2.7	U	2.7	U	2.7	U	2.7	
	ug/L	2.1	U	7.6	J	10.7	J	3.3	J	2.1	U	2.5	J	3.9	
	ug/L	11.6	U	4710		6650		11.6	U	11.6	U	2290		3670	
	ug/L	1	U	3	R	9	R	4.8		1.8	R	2.7	R	7.5	
IUM	ug/L	2890	J	32900		33300		18.9	J	26000		31900		31900	
ESE	ug/L	1.4	U	113		164		1.4	U	8.4	J	66.6		124	
Y	ug/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	
	ug/L	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	U	8.3	
UM	ug/L	8820		2860	J	2980	J	165	U	1280	J	3650	J	4040	
M	ug/L	1.9	J	1.3	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	
	ug/L	2.6	U	2.8	U	2.6	U	2.6	U	2.6	U	2.6	U	2.6	
	ug/L	46600		13200		12800		196	J	20300		24500		26300	
M	ug/L	1.2	UJ	1.2	J	1.2	J	1.2	UJ	1.2	UJ	1.2	J	1.2	
M	ug/L	3	J	7	J	9.3	J	3	U	3	U	3	U	6.5	
	ug/L	3.7	R	22.8	R	31.8	R	23.6		6.5	R	14.2	R	16	
	ug/L	2	J	3.2	J	1.8	J	2.3	J	1.8	U	3.8	J	5.6	

NOTES:

(1) (-) Duplicate of MW-29
(2) (=) Duplicate of MW-31

OB GROUNDS THIRD QUARTER 1993 MONITORING
INORGANICS ANALYSIS RESULTS

IET.WK3	MATRIX	WATER		WATER	
	SITE	OB		OB	
	DATE SAMPL'D	07/25/93		07/26/93	
	ES ID	MW31R		MW35	
	LAB ID	36960-015		36969-017	
	UNITS				
IM	ug/L	14.6	U	207	
NY	ug/L	16.8	U	16.8	U
	ug/L	0.8	U	1	J
	ug/L	1.1	U	97.3	J
UM	ug/L	0.3	U	0.3	U
M	ug/L	2.4	U	2.4	U
I	ug/L	178	J	108000	
UM	ug/L	3.3	U	3.3	U
	ug/L	2.7	U	2.7	U
	ug/L	3.6	J	2.1	U
	ug/L	11.6	U	321	
	ug/L	5.8		2.8	R
IUM	ug/L	9.5	U	15600	
ESE	ug/L	1.4	U	23.4	
Y	ug/L	0.1	U	0.1	U
	ug/L	8.3	U	8.3	U
UM	ug/L	165	U	1400	J
M	ug/L	1.1	U	1.2	J
	ug/L	2.6	U	2.6	U
	ug/L	203	J	13400	
M	ug/L	1.2	UJ	1.2	UJ
M	ug/L	3	U	3	U
	ug/L	21		72.7	R
	ug/L	2.3	J	2.8	J

Section 4.0
Indicator Parameters

OB GROUNDS THIRD QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
	SITE	OB	OB	OB	OB	OB	OB	
	DATE SAMPLD	07/21/93	07/21/93	07/21/93	07/25/93	07/26/93	07/27/93	
	ES ID	MW1	MW2	MW3	MW4	MW6	MW8MRD	
	LAB ID	*	*	*	*	*	*	
	UNITS							
ganic Halides	mg/l	0.02 U	0.02 U	0.02 U	0.02 U	0.03 J	0.02 U	0.03
ganic Carbon	mg/l	2	2	3	1	2	1	1
	mg/l	4	2	4	3	4	24	1
	mg/l	200	130	140	230	110	700	1
Conductance	umhos/cm	860	750	880	940	680	1600	14
- Nitrite	mg/l	1	0.05 U	0.05	0.05 U	1.2	0.61	0.05
	std. units	6.99	7.33	6.99	7.17	7.14	7.06	7.13

NOTES:

(1) * The Lab ID is different for each parameter

OB GROUNDS THIRD QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
	SITE	OB	OB	OB	OB	OB	OB	
	DATE SAMPLD	07/27/93	07/25/93	07/26/93	07/22/93	07/25/93	07/22/93	
	ES ID	MW9	MW11	MW12	MW13	MW14	MW15	
	LAB ID	*	*	*	*	*	*	
	UNITS							
ganic Halides	mg/l	0.07 J	0.03 J	0.02 U	0.04 J	0.02 U	0.03 J	0.02
ganic Carbon	mg/l	2	4	2	2	2	3	1
	mg/l	25	41	11	13	23	8	4
	mg/l	210	260	100	250	270	300	260
Conductance	umhos/cm	1100	1100	1000	1000	1300	1500	990
- Nitrite	mg/l	10	0.19	1.7	4.1	21	5.7	0.84
	std. units	7.03	6.89	7.36	6.99	7.16	6.97	7.15

NOTES:

(1) * The Lab ID is different for each parameter

OB GROUNDS THIRD QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
	SITE	OB	OB	OB	OB	OB	OB	
	DATE SAMPLD	07/22/93	07/23/93	07/23/93	07/21/93	07/22/93	07/23/93	
	ES ID	MW17	MW18	MW22	MW23	MW24	MW25	
	LAB ID	*	*	*	*	*	*	
	UNITS							
ganic Halides	mg/l	0.03 J	0.02 U	0.02 U	0.02 U	0.02 U	0.03 J	0.02
ganic Carbon	mg/l	1 U	1 U	1	1 U	2	2	1
	mg/l	2	10	2	22	38	2	11
	mg/l	59	140	190	260	240	41	110
Conductance	umhos/cm	570	810	810	990	1300	550	990
+ Nitrite	mg/l	0.1	0.22	0.05 U	0.05 U	16	0.05 U	2.1
	std. units	7.32	7.22	7.23	7.25	7.22	7.36	7.43

NOTES:

(1) * The Lab ID is different for each parameter

OB GROUNDS THIRD QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

MSC.WK3	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	
	SITE	OB	OB	OB	OB	OB	OB	
	DATE SAMPLD	07/22/93	07/26/93	07/26/93	07/26/93	07/26/93	07/25/93	
	ES ID	MW28	MW29	MW122(−)	MW29R	MW30	MW31	
	LAB ID	*	*	*	*	*	*	
	UNITS							
rganic Halides	mg/l	0.02 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04
rganic Carbon	mg/l	1	1	1	1 U	1	3	1
e	mg/l	5	6	6	1 U	30	6	6
	mg/l	100	120	120	1 U	250	210	210
Conductance	umhos/cm	470	760	750	21	1000	860	870
+ Nitrite	mg/l	0.73	1.2	1.3	0.05 U	0.54	4.1	4
	std. units	11.18	7.08	7.13	6.52	7.00	7.37	7.34

NOTES:

(1) * The Lab ID is different for each parameter
(2) (−) Duplicate of MW−29
(3) (=) Duplicate of MW−31

OB GROUNDS THIRD QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS

MSC.WK3	MATRIX	WATER	WATER
	SITE	OB	OB
	DATE SAMPLD	07/25/93	07/25/93
	ES ID	MW31R	MW35
	LAB ID	*	*
	UNITS		
ganic Halides	mg/l	0.02	0.02 U
ganic Carbon	mg/l	1 U	1
	mg/l	1 U	2
	mg/l	1 U	41
Conductance	umhos/cm	4.5	580
+ Nitrite	mg/l	0.05 U	0.18
	std. units	6.54	7.21

NOTES:

(1) * The Lab ID is different for each parameter