

**APPENDIX 2A:
Groundwater Sampling Data
Collected 2000 - 2002**

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Table 2A.1. Data Qualifiers for Inorganic Analyses

Qualifier	Explanation
E	This qualifier is used when the percent difference between the parent sample and its serial dilution's concentrations exceed 10%. The sample's concentration must be greater than 50 times the IDL/MDL for ICP (6010B/ILMO 3.0) or 100 times the absolute value of the preparation blank's concentration (6020).
J	This qualifier indicates the analyte concentration is estimated. This qualifier is applied during the data validation process.
*	This qualifier indicates the duplicate sample analysis for an analyte is out of control.
B	This qualifier indicates the reported result fell above the IDL/MDL but below the laboratory's RDL.
N	This qualifier indicates the matrix or pre-digested spike sample recovery for an analyte is not within the specified control limit.
R	Data qualified as unusable.
U	The analyte's result was less than the IDL/MDL.
UJ	Analyte was not detected and the RDL is estimated. This qualifier is applied during the data validation process.

RDL – reporting detection limit
IDL – instrument detection limit

ICP – inductively coupled plasma
MDL – method detection limit

Table 2A.2. Data Qualifiers for Organic Analyses

Qualifier	Explanation
E	Identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
J	This qualifier indicates an estimated value concerning either, (1) analyte detected at a level less than the RDL or PQL and greater than or equal to the MDL or (2) qualified during the data validation process.
N	Presumptive evidence based upon a mass spectral library search to make a tentative identification of the analyte.
NJ	Analyte has been “tentatively identified” and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.
P	Pesticide/PCB target analyte is greater than 25% difference for the detected concentrations between the two GC columns.
R	Data qualified as unusable.
U	Compound analyzed for but not detected (sample quantitation limit has been adjusted to reflect dilutions and percent moisture).
UJ	Compound was not detected and the RDL is estimated. This qualifier is applied during the data validation process.

GC – gas chromatograph
PCB – polychlorinated biphenyl
RDL – reporting detection limit

MDL – method detection limit
PQL – practical quantitation limit
TIC – tentatively identified compounds

**Table 2A.3. Groundwater Sampling Results ~ Residential Wells and East Production Well ~ March 2000
Lucky Site ~ Lucky, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0002	IA09-GW0003	IA09-PW(E)
Sample No	LUGW0151	LUGW0152	LUGW0152D	LUGW0153	LUGW0154
Collection Date	3/7/2000	3/7/2000	3/7/2000	3/7/2000	3/7/2000
Duplicate ID			LUGW9202		
Northing	199430	199316	199316	200063	199487
Easting	517223	517063	517063	517141	517225
Metals					
Arsenic (ug/l)	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Barium (ug/l)	51.7	60.3	59.7	35.7	52
Beryllium (ug/l)	0.20 B	0.17 U	0.17 U	0.17 U	0.17 U
Lead (ug/l)	1.1 U	1.1 U	1.1 U	2.4 B	1.1 U
Indicator Parameters					
Fluoride (mg/l)	0.64	0.45	0.442	0.753	0.474
Total Dissolved Solids (mg/l)	837	382	392	392	827
Total Suspended Solids (mg/l)	0.200 U	0.769 U	0.556 U	1.20 J	0.800 J
Nitrogen, Ammonia (mg/l)	1.33	0.16	0.06	0.11	1.44
Total Alkalinity (mg/l)	287	192	190	164	289
Radiological Parameters (AlphaSpec)					
Actinium-227 (pCi/l)	0.160 U	0.0202 U	1.98E-07 U	0.134 U	0.214
Thorium-228 (pCi/l)	0.0465 U	0.0602 U	0.196	0.0711 U	0.0922 U
Thorium-230 (pCi/l)	0.0418 U	0.065	0.0186 U	0.0177 U	0.0276 U
Thorium-232 (pCi/l)	0.00464 U	0.005 U	-0.00931 U	0.00443 U	0.00 U
Uranium-233/234 (pCi/l)	0.0717 U	0.27	0.00839 U	0.856	0.0934 U
Uranium-235/236 (pCi/l)	-0.0504 U	0.00116 U	0.0989 U	0.0985 U	0.0107 U
Uranium-238 (pCi/l)	0.106 U	0.087	0.086 U	0.339	0.0311 U
Radiological Parameters (GammaSpec)					
Actinium-228 (pCi/l)	1.84 U	5.23 U	5.25 U	6.40 U	12.9 U
Cesium-137 (pCi/l)	1.66 U	0.0102 U	-1.12 U	1.17	-1.9 U
Cobalt-60 (pCi/l)	3.31 U	1.10 U	0.575 U	-1.06 U	1.51 U
Potassium-40 (pCi/l)	62.4	53.3	13.4 U	21.5 U	0
Protactinium-231 (pCi/l)	-110 U	-82.4 U	-46.3 U	-27.2 U	9.84 U
Thorium-234 (pCi/l)	117 U	98.9 U	90.4 U	94.1 U	74.9 U
Uranium-235 (pCi/l)	6.16 U	6.79 U	12.1 U	7.05 U	6.42 U
Radiological Parameters					
Alpha (pCi/l)	0.538 U	4.88	4.87	5.93	1.29 U
Beta (pCi/l)	4.50	3.16	3.06	3.08	4.7
Radium-226 (pCi/l)	0.681 J	0.945 J	0.452 U	2.04 J	1.37 J
Radium-228 (pCi/l)	0.404 U	0.249 U	2.48 J	0.597 U	1.02

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-GW0003	IA09-MW-01(I)	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)
Sample No	LUGW0155	LUGW0156	LUGW0157	LUGW0157D	LUGW0159	LUGW0159D	LUGW0160	LUGW0161
Collection Date	04/28/2000	04/29/2000	04/28/2000	04/28/2000	05/01/2000	05/01/2000	05/02/2000	04/28/2000
Duplicate ID				LUGW9203		LUGW9206		
Northing	199430	199316	200063	200063	199583	199583	199581	199297
Easting	517223	517063	517141	517141	517402	517402	517398	517264
Metals								
Arsenic (Filtered) (ug/l)	--	--	--	--	2.92 U	2.92 U	2.92 U	2.92 U
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	3.99 B
Barium (Filtered) (ug/l)	--	--	--	--	31.6	32.5	32.7	33.5
Barium (ug/l)	53.1	60.6	35.1	35	33.9	36.6	31.7	38.6
Beryllium (Filtered) (ug/l)	--	--	--	--	11.4	11.5	9.12	0.46 U
Beryllium (ug/l)	0.46 U	0.54 B	0.46 U	0.46 U	11.8	12.2	10.8	0.46 U
Lead (Filtered) (ug/l)	--	--	--	--	9.08	10.8	9.3	1.38 U
Lead (ug/l)	1.63 B	1.38 U	1.38 U	1.38 U	7.8	7.28	10.4	1.73 B
Indicator Parameters								
Alkalinity (mg/l)	280	189	162	157	325	318	326	185
Fluoride (mg/l)	0.75	0.49	0.83	0.8	1.33	1.36	1.33	0.44
Nitrogen, Ammonia (mg/l)	1.04	0.04 J	0.05 U	0.03 J	0.23	0.24	0.29	0.05 U
Total Dissolved Solids (mg/l)	835	396	399	393	646	890	1070	461
Total Suspended Solids (mg/l)	6.25 U	5 U	1 J	1.5 J	1 J	0.8 J	5 U	44
Radiological Parameters								
Gross Alpha (pCi/l)	0.91 U	4.01 J	3.67 U	4.65 J	6.65 J	8.47 J	5.6	3.53 U
Nonvolatile Beta (pCi/l)	5.37	1.46 U	2.61 U	2.67 U	6.49	9.21	10.7	6.7 J
Radium-226 (pCi/l)	0.9 U	0.98 J	0.93 J	0.9 U	0.98 J	0.95 J	0.901 J	0.92 J
Radium-228 (pCi/l)	0.2 U	0.05 U	0.05 U	0 U	-0.64 U	0.01 U	-0.46 U	0.36 U
Radiological Parameters (AlphaSpec)								
Thorium-228 (pCi/l)	0.17 U	0.08 U	0.12 U	0.01 U	0.13 U	0.14 U	0.03 U	0.02 U
Thorium-230 (pCi/l)	0.07 U	0.04 J	0.04 U	0.12 J	0.16 J	0.01 U	0.05 U	0.04 U
Thorium-232 (pCi/l)	0 U	0.01 U	0.02 U	-0.01 U	-0.01 U	0 U	0.07	0 U
Uranium-233/234 (pCi/l)	0.23 J	0.12 J	0.48	0.43 J	2.38	2.83	3.99	0.64
Uranium-235 (pCi/l)	9.27 U	17.5 U	13.9 U	9.7 U	14.2 U	8.91 U	21.6 U	6.33 U
Uranium-235/236 (pCi/l)	0 U	0.02 U	-0.02 U	-0.01 U	0.1 U	0.15 U	0.04 U	0.1 U
Uranium-238 (pCi/l)	0.13 J	0.1 J	0.33 J	0.24 J	1.87 J	1.81	2.82	0.61 J
Radiological Parameters (GammaSpec)								
Actinium-228 (pCi/l)	0.73 U	23.2 U	16.5 U	26.2 U	11.7 U	3.66 U	10.8 U	10.3 U
Cesium-137 (pCi/l)	-2.29 U	-0.54 U	-1.37 U	-1.37 U	0.3 U	0.76 U	1.71 U	-0.05 U
Cobalt-60 (pCi/l)	4.9 U	1.71 U	0.29 U	2.09 U	-0.08 U	-0.6 U	1.59 U	-1.69 U
Potassium-40 (pCi/l)	27.9 U	59 U	27.1 U	52.9 U	22.2 U	67.8 U	24.5 U	17.8 U
Protactinium-231 (pCi/l)	58.8 U	8.12 U	-36.9 U	-48.8 U	-58.1 U	-124 U	-88.4 U	-84.4 U
Thorium-234 (pCi/l)	67.5 U	17.4 U	247 U	96.3 U	0 U	120 U	0 U	0 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-04(S)	IA09-MW-05(I)	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-17(S)	IA09-MW-18(I)
Sample No	LUGW0162	LUGW0163	LUGW0164	LUGW0165	LUGW0166	LUGW0169	LUGW0170
Collection Date	04/28/2000	04/29/2000	04/29/2000	04/29/2000	04/29/2000	05/02/2000	04/26/2000
Duplicate ID							
Northing	199297	199438	199433	199545	199541	199444	199522
Easting	517259	517608	517609	517592	517594	517557	517165
Metals							
Arsenic (Filtered) (ug/l)	2.92 U	2.92 U	2.92 U	3.6 B	2.92 U	2.92 U	2.92 U
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	3.56 B	2.92 U
Barium (Filtered) (ug/l)	49.9	22.7	45.2	32.4	40.5	15.5	50.2
Barium (ug/l)	51	24	45.3	30.7	39.6	27.1	51.2
Beryllium (Filtered) (ug/l)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.65 B	0.46 U
Beryllium (ug/l)	0.46 U	0.46 U	0.46 U	0.49 B	0.46 U	0.82 B	0.46 U
Lead (Filtered) (ug/l)	1.38 U	5.84	1.38 U	2.69 B	2.11 B	2.6 B	1.38 U
Lead (ug/l)	1.38 U	4.92 B	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U
Indicator Parameters							
Alkalinity (mg/l)	318	300	258	325	335	326	287
Fluoride (mg/l)	0.76	0.26	0.57	0.28	0.39	1.09	0.54
Nitrogen, Ammonia (mg/l)	0.05 U	12.6	21	0.05 U	0.07	0.29	0.55
Total Dissolved Solids (mg/l)	1560	919	836	584	1100	1370	667
Total Suspended Solids (mg/l)	7.4	2.4 J	1.2 J	4.4 J	8	240	7.5 J
Radiological Parameters							
Gross Alpha (pCi/l)	-0.3 U	3.97 J	5.59 U	7.7 J	0.45 U	12.4	2.96 J
Nonvolatile Beta (pCi/l)	6.05 U	17.4	18.4	5.68	2.25 U	21.4 J	3.88 J
Radium-226 (pCi/l)	0.81 J	0.77 J	0.85 U	0.89 J	0.25 U	2.29 J	0.96 J
Radium-228 (pCi/l)	0.02 U	-0.04 U	0.48 U	0.13 U	0.32 U	0.9 U	0.25 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.14 U	0.07 U	0.1 U	0.02 U	0.1 U	0.03 U	0.24 J
Thorium-230 (pCi/l)	0.12 J	-0.01 U	0.06 J	0.01 U	0.04 U	0.13	-0.02 U
Thorium-232 (pCi/l)	0.03 U	0.01 U	0 U	0 U	-0.01 U	0.01 U	-0.03 U
Uranium-233/234 (pCi/l)	0.58	0.94	1.33	1.09	0.77	0.22 J	0.29 J
Uranium-235 (pCi/l)	9.47 U	16.8 U	24.1 U	15.8 U	11 U	13.9 U	7.46 U
Uranium-235/236 (pCi/l)	0.01 U	0.06 U	0.07 U	0.08 U	0.1 U	-0.01 U	0.1 U
Uranium-238 (pCi/l)	0.23 J	1.25	0.99	0.89	0.7	0.17 J	0.3 J
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	21.4 U	1.52 U	10.2 U	8.01 U	15.4 U	8.54 U	0 U
Cesium-137 (pCi/l)	6.13 U	0.31 U	-2.4 U	0.93 U	0 U	-0.38 U	1.62 U
Cobalt-60 (pCi/l)	2.26 U	-0.81 U	-1.06 U	4.06 U	0.37 U	0.01 U	1.49 U
Potassium-40 (pCi/l)	19.2 U	74.3 U	68.4 U	30.9 U	62.8 U	29.2 U	48.1 U
Protactinium-231 (pCi/l)	93.6 U	-27.6 U	95.4 U	73.5 U	7.75 U	-68.5 U	54.9 U
Thorium-234 (pCi/l)	159 U	0 U	255 U	73 U	62 U	138 U	16.1 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-19(I)	IA09-MW-21(I)	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)
Sample No	LUGW0171	LUGW0173	LUGW0173D	LUGW0174	LUGW0175	LUGW0176	LUGW0177
Collection Date	04/29/2000	04/30/2000	04/30/2000	04/26/2000	04/28/2000	04/27/2000	04/30/2000
Duplicate ID			LUGW9205				
Northing	199585	199496	199496	199583	199291	199349	199583
Easting	517538	517367	517367	517473	517477	517339	517256
Metals							
Arsenic (Filtered) (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Arsenic (ug/l)	3.07 B	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Barium (Filtered) (ug/l)	36	14.4	14.3	37.3	25.5	15.8	115
Barium (ug/l)	37.8	14.8	14.8	39.5	25.1	26.9	121
Beryllium (Filtered) (ug/l)	3.16 B	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Beryllium (ug/l)	6.93	0.46 U	0.46 U	0.46 U	0.46 U	0.47 B	0.46 U
Lead (Filtered) (ug/l)	1.38 U	26.4	26.5	1.38 U	1.38 U	10.2	1.38 U
Lead (ug/l)	1.38 U	25.7	23.8	1.38 U	1.38 U	12.5	2.94 B
Indicator Parameters							
Alkalinity (mg/l)	327	430	438	32.5	427	486	279
Fluoride (mg/l)	0.4	0.86	1.05	1.3	0.8	1.64	0.51
Nitrogen, Ammonia (mg/l)	0.05 U	1.79	1.67	0.05 U	0.05 U	0.67	0.05 U
Total Dissolved Solids (mg/l)	724	2140	2160	678	1210	2390	632
Total Suspended Solids (mg/l)	8.2	7.8	5 J	2.2 J	4.6 J	13.8	2 J
Radiological Parameters							
Gross Alpha (pCi/l)	4.37 J	8.39 J	8.94 J	1.19 U	2.37 J	190 J	1.88 UJ
Nonvolatile Beta (pCi/l)	4.08 U	13.1	12	14.9 J	-0.14 U	49.4 J	7.79
Radium-226 (pCi/l)	0.95 J	0.85 U	0.37 U	0.91 J	0.74 J	0.86 J	0.87 J
Radium-228 (pCi/l)	0.26 U	0.6 U	1.22	0.29 U	-0.3 U	0.37 U	0.23 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.07 U	0.15 U	0.01 U	0.25 U	-0.04 U	-0.01 U	0.19 U
Thorium-230 (pCi/l)	0.06 J	0.04 U	0.05 U	0.07 U	0.09 J	0.11 J	0.14
Thorium-232 (pCi/l)	0 U	0 U	0 U	0.01 U	0.01 U	-0.01 U	0.11
Uranium-233/234 (pCi/l)	0.13 U	5.59	5.11	0.4	2.35	93.2	0.51
Uranium-235 (pCi/l)	10.1 U	23.7 U	26.3 U	16.6 U	-15.2 U	14.1 U	11.8 U
Uranium-235/236 (pCi/l)	0.04 U	0.11 J	0.04 U	0.02 U	0.06 U	4.66	0.02 U
Uranium-238 (pCi/l)	0.23 J	4.93	5.36	0.3 J	1.89 J	91.5 J	0.56
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	4.42 U	6.02 U	10.2 U	11.2 U	6.85 U	10.2 U	25.2 U
Cesium-137 (pCi/l)	1.82 U	-1.73 U	0.83 U	1.79 U	0.46 U	1.27 U	2.61 U
Cobalt-60 (pCi/l)	1.77 U	0.84 U	-1.81 U	0.49 U	1.16 U	2.42 U	4.47 U
Potassium-40 (pCi/l)	0 U	86.5 U	81.2 U	47.1 U	91.4 U	29.2 U	69.4 U
Protactinium-231 (pCi/l)	-23 U	-172 U	249 U	12.8 U	2.22 U	-106 U	-25.3 U
Thorium-234 (pCi/l)	0 U	205 U	34.4 U	194 U	182 U	173 U	151 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-39(B)	IA09-MW-40(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-30(B)
Sample No	LUGW0179	LUGW0180	LUGW0181	LUGW0182	LUGW0183	LUGW0184	LUGW0185
Collection Date	05/02/2000	05/01/2000	04/26/2000	04/28/2000	04/28/2000	04/30/2000	04/30/2000
Duplicate ID							
Northing	199587	199290	199293	199593	199593	199684	199687
Easting	517402	517362	517360	517330	517327	517109	517109
Metals							
Arsenic (Filtered) (ug/l)	2.92 U	3.8 B	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Barium (Filtered) (ug/l)	102	29.5	35.1	55.4	79.1	116	129
Barium (ug/l)	103	29.1	35	55.1	79.3	133	135
Beryllium (Filtered) (ug/l)	0.64 B	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Beryllium (ug/l)	0.65 B	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Lead (Filtered) (ug/l)	1.38 U	6.37	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U
Lead (ug/l)	3.3 B	5.24	1.38 U	1.38 U	1.38 U	2.46 B	1.38 U
Indicator Parameters							
Alkalinity (mg/l)	326	343	183	289	322	288	172
Fluoride (mg/l)	0.28	0.61	0.65	0.33	0.36	0.51	0.55
Nitrogen, Ammonia (mg/l)	0.05 U	3.86	0.05 U	0.66	0.05 U	0.13	0.05 U
Total Dissolved Solids (mg/l)	356	1020	435	800	773	441	334
Total Suspended Solids (mg/l)	29.8	4.2 J	1.8 J	2.75 J	11 J	28.5	4 J
Radiological Parameters							
Gross Alpha (pCi/l)	2.03	3.37 J	1.77 U	4.11 J	1.99 U	1.95 UJ	1.58 UJ
Nonvolatile Beta (pCi/l)	1.42 U	8.85	9.49 J	3.49 U	1.46 U	2.14 U	4.08
Radium-226 (pCi/l)	1.17 U	0.53 U	0.88 J	0.95 J	0.91 J	0.98 J	0.4 U
Radium-228 (pCi/l)	0.3 U	-0.08 U	0.84 U	0.25 U	0.14 U	0.05 U	0.67 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.04 U	0.07 U	0.15 U	-0.01 U	0.15 U	0 U	0.08 U
Thorium-230 (pCi/l)	0.01 U	0.03 U	0.08 U	0.05 U	0.05 U	0.04 U	-0.01 U
Thorium-232 (pCi/l)	0.02 U	0.01 U	0.03 U	-0.01 U	-0.01 U	0.02 U	0.02 U
Uranium-233/234 (pCi/l)	0.03 U	0.89	0.34 J	1.18	0.47	0.44	0.16 J
Uranium-235 (pCi/l)	9.53 U	-8.76 U	15.3 U	34 U	11.6 U	1.86 U	8.28 U
Uranium-235/236 (pCi/l)	0 U	0.06 U	-0.02 U	0.01 U	0.05 U	0.04 U	0 U
Uranium-238 (pCi/l)	0.03 U	0.31 J	0.22 J	0.66 J	0.22 J	0.27 J	0.09 U
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	5.31 U	15.4 U	11.8 U	38.1 U	12.8 U	6.61 U	12.4 U
Cesium-137 (pCi/l)	0.88 U	-3.2 U	0.79 U	4.88 U	0 U	0 U	3.25 U
Cobalt-60 (pCi/l)	0.89 U	-0.03 U	-0.02 U	0.34 U	0.63 U	-0.67 U	-1.58 U
Potassium-40 (pCi/l)	34.8 U	13.7 U	12.7 U	44.7 U	0 U	47.6 U	9.61 U
Protactinium-231 (pCi/l)	61.2 U	-119 U	47.4 U	-47 U	-63.8 U	-135 U	21.8 U
Thorium-234 (pCi/l)	2.73 U	77.8 U	46.7 U	161 U	212 U	53.7 U	275 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio

Station	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)	IA09-OMW-35(I)	IA09-OMW-36(B)
Sample No	LUGW0186	LUGW0187	LUGW0188	LUGW0189	LUGW0190	LUGW0190D	LUGW0191
Collection Date	04/27/2000	04/27/2000	04/28/2000	05/02/2000	04/29/2000	04/29/2000	04/30/2000
Duplicate ID						LUGW9204	
Northing	199712	199712	199801	199801	199796	199796	199799
Easting	517305	517308	517203	517206	517506	517506	517506
Metals							
Arsenic (Filtered) (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U	3.39 B	2.92 U	2.92 U	2.92 U
Barium (Filtered) (ug/l)	123	109	78.3	686	146	148	110
Barium (ug/l)	137	111	76.3	826	148	144	149
Beryllium (Filtered) (ug/l)	0.46 U	0.46 U	0.46 U	0.64 B	0.46 U	0.46 U	0.46 U
Beryllium (ug/l)	0.46 U	0.46 U	0.46 U	1.89 B	0.46 U	0.46 U	0.46 U
Lead (Filtered) (ug/l)	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U	1.38 U
Lead (ug/l)	1.38 U	1.38 U	1.38 U	50.2	1.38 U	2.22 B	1.66 B
Indicator Parameters							
Alkalinity (mg/l)	249	242	212	1790	254	256	198
Fluoride (mg/l)	0.32	0.44	0.53	0.19	0.45	0.36	0.2
Nitrogen, Ammonia (mg/l)	0.07	0.05 U	0.05 U	0.44	0.05 U	0.05 U	0.04 J
Total Dissolved Solids (mg/l)	546	390	418	--	485	487	139
Total Suspended Solids (mg/l)	79	86.8	1.2 J	--	11.2	6.8	149
Radiological Parameters							
Gross Alpha (pCi/l)	3.91 J	4.26 J	4.17 J	--	2.63 U	0.62 UJ	2.68 J
Nonvolatile Beta (pCi/l)	2.84	3.41	4.45	--	3.14	3.73	10.1
Radium-226 (pCi/l)	0.75 U	0.68 U	0.87 J	--	0.47 J	0.35 U	0.93 J
Radium-228 (pCi/l)	0.4 U	0.4 U	0.23 U	--	0.01 U	0.27 U	0.35 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.15 U	0.07 U	-0.02 U	--	0.07 U	0.09 U	0.05 U
Thorium-230 (pCi/l)	0.05 U	0.08 J	0.04 U	--	0.14	0.06 U	0.06 J
Thorium-232 (pCi/l)	0 U	0.01 U	0.01 U	--	0.01 U	0.01 U	0 U
Uranium-233/234 (pCi/l)	0.56	0.13 U	0.22 U	--	0.37 J	0.53 J	0.05 U
Uranium-235 (pCi/l)	12.7 U	-1.51 U	7.71 U	--	15.6 U	11.6 U	10.8 U
Uranium-235/236 (pCi/l)	0.03 U	0 U	0.08 U	--	-0.02 U	0.02 U	0.04 U
Uranium-238 (pCi/l)	0.28 J	0.11 U	0.1 U	--	0.28 J	0.3 J	0.04 U
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	8.08 U	10.4 U	9.99 U	--	12.2 U	23.7 U	22.8 U
Cesium-137 (pCi/l)	-0.42 U	2.18 U	4.88 U	--	2.19 U	0 U	-0.73 U
Cobalt-60 (pCi/l)	-0.93 U	1.92 U	0.51 U	--	3.12 U	-0.83 U	-3.36 U
Potassium-40 (pCi/l)	0.51 U	45 U	66.2 U	--	38.5 U	45.1 U	55.5 U
Protactinium-231 (pCi/l)	-81.7 U	34.5 U	-48.9 U	--	-1.84 U	98.7 U	24.6 U
Thorium-234 (pCi/l)	28.2 U	43.2 U	0 U	--	148 U	0 U	56.9 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.4. Groundwater Sampling Results ~ April 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-PW(E)
Sample No	LUGW0192	LUGW0193	LUGW0194
Collection Date	04/27/2000	04/27/2000	04/28/2000
Duplicate ID			
Northing	199914	199915	199487
Easting	517179	517182	517225
Metals			
Arsenic (Filtered) (ug/l)	2.92 U	2.92 U	--
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U
Barium (Filtered) (ug/l)	71.1	92.4	--
Barium (ug/l)	75.7	88.9	53.5
Beryllium (Filtered) (ug/l)	0.46 U	0.46 U	--
Beryllium (ug/l)	0.46 U	0.46 U	0.46 U
Lead (Filtered) (ug/l)	1.38 U	1.38 U	--
Lead (ug/l)	1.38 U	1.38 U	1.38 U
Indicator Parameters			
Alkalinity (mg/l)	171	176	288
Fluoride (mg/l)	0.71	0.67	0.76
Nitrogen, Ammonia (mg/l)	0.03 J	0.05 U	1.21
Total Dissolved Solids (mg/l)	394	429	828
Total Suspended Solids (mg/l)	14	3.6 J	6.25 U
Radiological Parameters			
Gross Alpha (pCi/l)	3.27 J	3.48 J	1.21 U
Nonvolatile Beta (pCi/l)	1.47 U	2.69 U	4.27
Radium-226 (pCi/l)	0.8 U	0.94 J	0.97 J
Radium-228 (pCi/l)	0.37 U	0.4 U	0.27 U
Radiological Parameters (AlphaSpec)			
Thorium-228 (pCi/l)	0.04 U	0.23 U	0.11 U
Thorium-230 (pCi/l)	0.06 J	0.02 U	0.07 U
Thorium-232 (pCi/l)	0.01 U	0.01 U	0.02 U
Uranium-233/234 (pCi/l)	0.41	0.53	0.04 U
Uranium-235 (pCi/l)	14.2 U	20.8 U	2.4 U
Uranium-235/236 (pCi/l)	0.03 U	-0.01 U	0.01 U
Uranium-238 (pCi/l)	0.15 J	0.2 J	0.09 U
Radiological Parameters (GammaSpec)			
Actinium-228 (pCi/l)	13.7 U	1.36 U	7.81 U
Cesium-137 (pCi/l)	3.06 U	-2.14 U	5.23 U
Cobalt-60 (pCi/l)	5.12 U	-1.61 U	-0.99 U
Potassium-40 (pCi/l)	-13.7 U	0 U	23.9 U
Protactinium-231 (pCi/l)	85.5 U	198 U	176 U
Thorium-234 (pCi/l)	152 U	196 U	85.4 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.5. Groundwater Sampling Results ~ Residential Wells and East Production Well ~ July 2000
Lucky Site ~ Lucky, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0002	IA09-GW0003	IA09-PW(E)
Sample No	LUGW0195	LUGW0196	LUGW0196D	LUGW0197	LUGW0199
Collection Date	07/27/2000	07/27/2000	07/27/2000	07/27/2000	07/27/2000
Duplicate ID			LUGW9207		
Northing	199430	199316	199316	200063	199487
Easting	517223	517063	517063	517141	517225
Metals					
Arsenic (ug/l)	2.92 U	2.92 U	2.92 U	2.92 U	2.92 U
Barium (ug/l)	50.5	57	58.6	33.5	49.6
Beryllium (ug/l)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Lead (ug/l)	5.3 U	1.67 U	1.38 U	2.48 U	2.51 U
Indicator Parameters					
Alkalinity (mg/l)	285	191	187	161	286
Fluoride (mg/l)	0.62	0.46	0.46	0.72	0.62
Nitrogen, Ammonia (mg/l)	0.67	0.05 U	0.05 U	0.05 U	1.13
Total Dissolved Solids (mg/l)	822	385	391	377	806
Total Suspended Solids (mg/l)	8.33 U	12.5 U	8.33 U	8.33 U	8.33 U
Gross Alpha (pCi/l)	0.45 U	0.74 U	-0.49 U	1.8 U	2.65 J
Nonvolatile Beta (pCi/l)	25.2	2.72 U	5.95	2.54 U	13.8
Radium-226 (pCi/l)	0.73 J	0.5 J	0.71 U	0.52 J	0.54 U
Radium-228 (pCi/l)	0.5 U	0.64 U	0.57 U	0.05 U	0.6 U
Radiological Parameters (AlphaSpec)					
Thorium-228 (pCi/l)	0.06 U	-0.01 U	0.01 U	-0.05 U	0.01 U
Thorium-230 (pCi/l)	0.13	0.11	0.05 U	0.14	0.11
Thorium-232 (pCi/l)	-0.01 U	0.02 U	-0.01 U	0 U	-0.01 U
Uranium-233/234 (pCi/l)	0.06 U	0.21 J	0.23 J	0.78	0.1 U
Uranium-235 (pCi/l)	7.25 U	11.8 U	3.85 U	11.6 U	15.1 U
Uranium-235/236 (pCi/l)	0.03 U	0.03 U	0 U	0.02 U	0 U
Uranium-238 (pCi/l)	0.17	0.07 U	0.1 U	0.29	0.23 J
Radiological Parameters (GammaSpec)					
Actinium-228 (pCi/l)	3.88 U	6.79 U	9.31 U	0 U	5.16 U
Cesium-137 (pCi/l)	1.04 U	0.08 U	2.27 U	-0.04 U	-0.11 U
Cobalt-60 (pCi/l)	1.05 U	-1.04 U	-0.32 U	-0.27 U	-0.49 U
Potassium-40 (pCi/l)	41.3	20 U	34.6	13.8 U	15.2 U
Protactinium-231 (pCi/l)	-8.67 U	66.3 U	-35.6 U	36.9 U	-34.9 U
Thorium-234 (pCi/l)	0 U	41 U	125 U	107 U	62 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)
Sample No	LUGW0240	LUGW0236	LUGW0241	LUGW0200	LUGW0201	LUGW0202	LUGW0203	LUGW0204
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/02/2000	11/06/2000	11/07/2000	11/06/2000
Duplicate ID								
Northing	199430	199316	200063	199583	199581	199297	199297	199438
Eastings	517223	517063	517141	517402	517398	517264	517259	517608
Metals								
Aluminum (Filtered) (ug/l)	54.9	7.6 U	7.6 U	7.6 U	7.6 U	46.9 B	7.6 U	57
Aluminum (ug/l)	11.4 B	7.6 U	7.6 U	7.6 U	7.6 U	65	153	11.5 B
Antimony (Filtered) (ug/l)	2.24 U	2.24 U	2.24 U	2.24 U	3.31 B	2.24 U	9.36 B	3.64 B
Antimony (ug/l)	2.81 U	2.24 U	2.24 U	2.24 U	2.24 U	2.9 U	2.24 U	2.24 U
Arsenic (Filtered) (ug/l)	2.47 B	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	3.76 B	2.46 U
Arsenic (ug/l)	2.46 U	2.46 U	3.03 B	2.46 U	2.46 U	2.46 U	3.43 B	2.46 U
Barium (Filtered) (ug/l)	46.2	58.5	36.5	234	480	35.4	290	342
Barium (ug/l)	44.7	58	35.8	33	25.5	36.1	50.4	29.7
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	22.3	15.7	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	32.8	31	0.21 U	0.21 U	0.21 U
Cadmium (Filtered) (ug/l)	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
Cadmium (ug/l)	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.47 B	0.36 U
Calcium (Filtered) (ug/l)	20500	66000	60100	119000	132000	58900	164000	115000
Calcium (ug/l)	23200	66600	59000	144000	162000	68100	167000	125000
Chromium (Filtered) (ug/l)	1.81 B	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Chromium (ug/l)	0.7 U	0.7 U	0.73 B	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Cobalt (Filtered) (ug/l)	0.67 U	0.67 U	0.67 U	0.67 U	1.52 B	0.67 U	2.02 B	0.79 B
Cobalt (ug/l)	0.67 U	0.67 U	0.67 U	0.67 U	1.77 B	0.67 U	2.02 B	0.67 U
Copper (Filtered) (ug/l)	2.08 B	1.54 U	1.54 U	4.11 U	14.4	1.54 U	1.54 U	1.54 U
Copper (ug/l)	27.7	1.54 U	2.64 B	1.54 U	1.81 B	1.54 U	1.54 U	1.54 U
Iron (Filtered) (ug/l)	23.3 B	187	339	781	471	79.1	2490	277
Iron (ug/l)	37 B	247	385	1060	571	262	3200	328
Lead (Filtered) (ug/l)	2.25 U	2.25 U	2.25 U	2.25 U	4.61 B	2.25 U	3.39 B	4.3 B
Lead (ug/l)	2.25 U	2.25 U	7.11	2.25 U	4.86 B	2.5 B	2.25 U	4.53 B
Magnesium (Filtered) (ug/l)	44800	28100	25400	55100	59700	39900	81100	50600
Magnesium (ug/l)	51300	28400	25000	64800	71000	46300	83200	55800
Manganese (Filtered) (ug/l)	132	1.74 B	2.11 B	20.9	130	18.9	348	46.6
Manganese (ug/l)	150	1.75 B	2.1 B	23.3	147	25.2	356	49.7
Mercury (Filtered) (ug/l)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Mercury (ug/l)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nickel (Filtered) (ug/l)	28.9	1.03 U	1.03 U	27.6	34.6	3.05 B	64.4	53.7
Nickel (ug/l)	28.4	1.03 U	1.03 U	33	41.8	1.03 U	64.2	52.5
Phosphorus (Filtered) (ug/l)	8.91 U	25.4 B	33.2 B	8.91 U	8.91 U	8.91 U	8.91 U	8.91 U
Phosphorus (ug/l)	8.91 U	25.5 J	22.5 J	8.91 U	8.91 U	8.91 U	8.91 J	8.91 U
Potassium (Filtered) (ug/l)	22300	1720	2180	6020 J	5450 J	8340	5220	11300
Potassium (ug/l)	24500	1760	2080	6430	5630	8950	5330	12000
Selenium (Filtered) (ug/l)	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U	2.89 B	2.37 U	2.37 U
Selenium (ug/l)	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)
Sample No	LUGW0240	LUGW0236	LUGW0241	LUGW0200	LUGW0201	LUGW0202	LUGW0203	LUGW0204
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/02/2000	11/06/2000	11/07/2000	11/06/2000
Duplicate ID								
Northing	199430	199316	200063	199583	199581	199297	199297	199438
Eastings	517223	517063	517141	517402	517398	517264	517259	517608
Metals (continued)								
Silver (Filtered) (ug/l)	1.47 B	0.62 U	0.62 U	0.62 U	0.62 U	1.46 B	0.62 U	1.43 B
Silver (ug/l)	0.73 B	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
Sodium (Filtered) (ug/l)	193000	14500	18900	46300	77700	20200	4770	104000
Sodium (ug/l)	199000	15000	19300	41200	73400	22100	197000	105000
Thallium (Filtered) (ug/l)	5.12 B	3.26 U	3.26 U	3.26 U	3.26 U	3.81 B	4.13 B	3.26 U
Thallium (ug/l)	3.26 U	3.26 U	3.26 U	3.26 U	3.26 U	3.26 U	3.26 U	4.88 B
Vanadium (Filtered) (ug/l)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.87 B	0.46 U	0.66 B
Vanadium (ug/l)	0.54 B	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
Zinc (Filtered) (ug/l)	8.35	17.5	46.2	53.5 J	256 J	0.5 U	276	230
Zinc (ug/l)	169	18.9	63.5	0.5 U	1.05 B	0.64 B	4.54 B	3.27 B
DRO/GRO								
Diesel Range Organics (ug/l)	0.02 U	0.01 U	0.01 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U
Gasoline Range Organics (ug/l)	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Indicator Parameters								
Alkalinity (mg/l)	292	194	168	324	342	189	320	315
Chloride (mg/l)	41.4	14.2	15.8	19.5	30.6	32	58.4	80.5
Fluoride (mg/l)	0.545	0.474	0.796	1.26	1.78	0.44	0.761	0.237
Nitrate/Nitrite (mg/l)	0.05 U	0.05 U	0.05 U	0.01 J	0.05 U	0.05 U	0.05 U	0.05 U
Nitrogen, Ammonia (mg/l)	--	0.05 U	0.05	0.15	0.52	--	0.08	--
Sulfate (mg/l)	301	97.3	107	255	342	108	773	285
Total Dissolved Solids (mg/l)	829	403	385	784	947	424	1640	879
Total Suspended Solids (mg/l)	5 U	5 U	5 U	3 J	1.2 J	4.67 J	11.6	0.8 J
Semivolatile Organics								
1,2,4-Trichlorobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
1,2-Dichlorobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
1,3-Dichlorobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
1,4-Dichlorobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2,4,5-Trichlorophenol (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
2,4,6-Trichlorophenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2,4-Dichlorophenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2,4-Dimethylphenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2,4-Dinitrophenol (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
2,4-Dinitrotoluene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2,6-Dinitrotoluene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2-Chloronaphthalene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2-Chlorophenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2-Methylnaphthalene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)
Sample No	LUGW0240	LUGW0236	LUGW0241	LUGW0200	LUGW0201	LUGW0202	LUGW0203	LUGW0204
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/02/2000	11/06/2000	11/07/2000	11/06/2000
Duplicate ID								
Northing	199430	199316	200063	199583	199581	199297	199297	199438
Easting	517223	517063	517141	517402	517398	517264	517259	517608
<i>Semivolatile Organics (continued)</i>								
2-Nitroaniline (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
2-Nitrophenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
2-methyl-4,6-dinitrophenol (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
3,3'-Dichlorobenzidine (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
3-Nitroaniline (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
4-Bromophenyl phenyl ether (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
4-Chloroaniline (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
4-Chlorophenylphenylether (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
4-Nitroaniline (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
4-Nitrophenol (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
Acenaphthene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Acenaphthylene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Anthracene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Benzo(a)anthracene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Benzo(a)pyrene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Benzo(b)fluoranthene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Benzo(ghi)perylene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Benzo(k)fluoranthene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Butylbenzylphthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Carbazole (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Chrysene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Di-n-butylphthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Di-n-octylphthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Dibenz(a,h)anthracene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Dibenzofuran (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Diethyl phthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Dimethyl phthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Diphenylamine (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Fluoranthene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Fluorene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Hexachlorobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Hexachlorobutadiene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Hexachlorocyclopentadiene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Hexachloroethane (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Indeno(1,2,3-cd)pyrene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)
Sample No	LUGW0240	LUGW0236	LUGW0241	LUGW0200	LUGW0201	LUGW0202	LUGW0203	LUGW0204
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/02/2000	11/06/2000	11/07/2000	11/06/2000
Duplicate ID								
Northing	199430	199316	200063	199583	199581	199297	199297	199438
Easting	517223	517063	517141	517402	517398	517264	517259	517608
<i>Semivolatile Organics (continued)</i>								
Isophorone (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
N-Nitrosodipropylamine (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Naphthalene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Nitrobenzene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Pentachlorophenol (ug/l)	24.5 U	25 U	25 U	25.5 U	25 U	24.5 U	25 U	24 U
Phenanthrene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Phenol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
Pyrene (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
bis(2-chloroethoxy)methane (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
bis(2-chloroethyl) ether (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
bis(2-chloroisopropyl)ether (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
bis(2-ethylhexyl)phthalate (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
m,p-Cresol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
o-Cresol (ug/l)	9.8 U	10 U	10 U	10.2 U	10 U	9.8 U	10 U	9.6 U
<i>Volatile Organics</i>								
1,1,1-Trichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethylene (ug/l)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (ug/l)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone (ug/l)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (ug/l)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone (ug/l)	4.4 U	5 U	7.6 U	5 U	5 U	3.5 U	4 U	2.6 U
Benzene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide (ug/l)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)
Sample No	LUGW0240	LUGW0236	LUGW0241	LUGW0200	LUGW0201	LUGW0202	LUGW0203	LUGW0204
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/02/2000	11/06/2000	11/07/2000	11/06/2000
Duplicate ID								
Northing	199430	199316	200063	199583	199581	199297	199297	199438
Easting	517223	517063	517141	517402	517398	517264	517259	517608
<i>Volatile Organics (continued)</i>								
Chlorobenzene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform (ug/l)	7.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane (ug/l)	1 U	0.42 J	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene (ug/l)	1 U	1 U	1 U	1 U	0.06 J	1 U	1 U	1 U
Methylene chloride (ug/l)	5 U	5 U	5 U	5 U	1.6 J	5 U	5 U	5 U
Styrene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total) (ug/l)	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
cis-1,3-dichloropropene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene (ug/l)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
<i>Radiological Parameters</i>								
Gross Alpha (pCi/l)	0.06 UJ	8.91	2.12 J	2.35 UJ	5.02 J	1.06 UJ	2.86 J	3.4 J
Nonvolatile Beta (pCi/l)	19.1	3.54	1.19 U	7.72	6.25	8.47	2.97 U	14.6
Radium-226 (pCi/l)	1.01	1.04	1.6	0.73	0.69	1.15	1.03	0.43 U
Radium-228 (pCi/l)	0.01 U	0.61 U	0.99 U	0.61 U	-0.09 U	0.42 U	0.6 U	0.48 U
Uranium, total (ug/l)	--	--	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>								
Actinium-227 (pCi/l)	-8.48 U	2.63 U	-1.65 U	-0.3 U	14.6 U	-11.4 U	-6.35 U	-2.41 U
Thorium-228 (pCi/l)	0.06 U	0.11 U	-0.02 U	0.07 U	0.11 U	0.06 U	0.16 U	0.09 U
Thorium-230 (pCi/l)	0.02 U	0.03 U	0.02 U	-0.02 U	-0.02 U	0.04 U	0.02 U	0.01 U
Thorium-232 (pCi/l)	0 U	-0.01 U	0.01 U	0 U	-0.02 U	0 U	0.03 U	-0.02 U
Uranium-233/234 (pCi/l)	0.18 U	0.39 B	0.76 B	1.22	2.13	0.92	0.53 B	1.47
Uranium-235 (pCi/l)	15 U	8.84 U	4.11 U	-3.88 U	-7.49 U	8.31 U	3.29 U	1.48 U
Uranium-235/236 (pCi/l)	0.06 U	0 U	0.09 U	0.03 U	0.09	0.02 U	0.12 J	0.05 J
Uranium-238 (pCi/l)	0.06 U	0.02 U	0.27 J	0.88	1.75	0.34	0.32 J	1.2
<i>Radiological Parameters (GammaSpec)</i>								
Actinium-228 (pCi/l)	2.42 U	3.51 U	2.05 U	3.39 U	5.36 U	6.63 U	0.92 U	0 U
Cesium-137 (pCi/l)	-0.81 U	0.5 U	0.43 U	-0.1 U	0.48 U	-0.54 U	0.14 U	2.2 U
Cobalt-60 (pCi/l)	0.04 U	1.09 U	1.06 U	1.13 U	-0.07 U	-0.29 U	0.65 U	0.64 U
Potassium-40 (pCi/l)	35.3 J	9.74 U	18 U	13.2 U	9.49 U	0 U	18.3 U	38 U
Protactinium-231 (pCi/l)	23.2 U	31.9 U	11.8 U	5.85 U	74.5 U	27.7 U	-19.2 U	-50.1 U
Thorium-234 (pCi/l)	84.4 U	0 U	63.8 U	195	11.4 U	0 U	0 U	0 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)
Sample No	LUGW0205	LUGW0206	LUGW0207	LUGW0209	LUGW0210	LUGW0211	LUGW0212
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/04/2000	10/31/2000	11/07/2000
Duplicate ID							
Northing	199433	199545	199541	199340	199444	199522	199585
Easting	517609	517592	517594	517255	517557	517165	517538
Metals							
Aluminum (Filtered) (ug/l)	53.8	7.62 B	7.6 U	--	--	--	7.6 U
Aluminum (ug/l)	8.91 B	147	7.6 U	--	--	--	7.6 U
Antimony (Filtered) (ug/l)	2.67 B	2.3 B	2.62 B	--	--	--	2.24 U
Antimony (ug/l)	2.25 U	2.24 U	2.24 U	--	--	--	2.24 U
Arsenic (Filtered) (ug/l)	2.46 U	3.21 B	2.46 U	2.48 B	2.46 U	2.46 U	2.46 U
Arsenic (ug/l)	2.46 U	2.46 U	2.65 B	4.95 B	2.46 U	2.46 U	2.46 U
Barium (Filtered) (ug/l)	410	319	212	21	17.1	584	39.7
Barium (ug/l)	47.9	34.7	38.1	22.1	20.4	50.4	37.1
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.88 B
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.24 B	0.21 U	0.21 U	3.43 B
Cadmium (Filtered) (ug/l)	0.36 U	0.36 U	0.36 U	--	--	--	0.36 U
Cadmium (ug/l)	0.36 U	0.36 U	0.37 B	--	--	--	0.36 U
Calcium (Filtered) (ug/l)	84600	120000	197000	--	--	--	149000
Calcium (ug/l)	98200	126000	200000	--	--	--	147000
Chromium (Filtered) (ug/l)	0.7 U	1.81 B	111	--	--	--	1.56 B
Chromium (ug/l)	0.7 U	0.7 U	0.7 U	--	--	--	1.33 B
Cobalt (Filtered) (ug/l)	1.45 B	0.67 U	0.67 U	--	--	--	0.67 U
Cobalt (ug/l)	0.67 U	0.67 U	0.67 U	--	--	--	0.67 U
Copper (Filtered) (ug/l)	1.54 U	1.54 U	3.34 B	--	--	--	26
Copper (ug/l)	1.54 U	1.54 U	1.54 U	--	--	--	1.54 U
Iron (Filtered) (ug/l)	283	371	3880	--	--	--	291
Iron (ug/l)	341	624	3990	--	--	--	606
Lead (Filtered) (ug/l)	2.25 U	9.85	9.12	2.25 U	2.25 U	2.25 U	8.65
Lead (ug/l)	2.54 B	2.51 B	6.35	3.17 B	3.37 B	2.25 U	9.47
Magnesium (Filtered) (ug/l)	42200	48500	103000	--	--	--	58300
Magnesium (ug/l)	49800	51600	105000	--	--	--	58100
Manganese (Filtered) (ug/l)	84.6	8.19 B	110	--	--	--	11.2
Manganese (ug/l)	99	13.7	103	--	--	--	6.49 B
Mercury (Filtered) (ug/l)	0.05 U	0.05 U	0.05 U	--	--	--	0.05 U
Mercury (ug/l)	--	0.05 U	0.05 U	--	--	--	0.05 U
Nickel (Filtered) (ug/l)	70.5	1.03 U	90.8	--	--	--	6.1
Nickel (ug/l)	76	1.03 U	21	--	--	--	1.03 U
Phosphorus (Filtered) (ug/l)	8.91 U	40.3 B	8.91 U	--	--	--	11.1 U
Phosphorus (ug/l)	8.91 U	8.91 UJ	8.91 J	--	--	--	18.5 J
Potassium (Filtered) (ug/l)	19600	2650	2090	--	--	--	3170
Potassium (ug/l)	21900	4300	2610	--	--	--	3070
Selenium (Filtered) (ug/l)	2.37 U	2.37 U	2.37 U	--	--	--	2.37 U
Selenium (ug/l)	2.37 U	2.37 U	2.37 U	--	--	--	2.37 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)
Sample No	LUGW0205	LUGW0206	LUGW0207	LUGW0209	LUGW0210	LUGW0211	LUGW0212
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/04/2000	10/31/2000	11/07/2000
Duplicate ID							
Northing	199433	199545	199541	199340	199444	199522	199585
Easting	517609	517592	517594	517255	517557	517165	517538
Metals (continued)							
Silver (Filtered) (ug/l)	1.97 B	0.62 U	0.62 U	--	--	--	0.62 U
Silver (ug/l)	0.62 U	0.62 U	0.62 U	--	--	--	0.62 U
Sodium (Filtered) (ug/l)	130000	10500	22800	--	--	--	203000
Sodium (ug/l)	141000	6390	19300	--	--	--	4770
Thallium (Filtered) (ug/l)	4.54 B	3.26 U	3.57 B	--	--	--	3.26 U
Thallium (ug/l)	3.26 U	3.26 U	5.29 B	--	--	--	3.26 U
Vanadium (Filtered) (ug/l)	0.46 U	0.46 U	0.46 U	--	--	--	0.46 U
Vanadium (ug/l)	0.46 U	0.46 U	0.46 U	--	--	--	0.46 U
Zinc (Filtered) (ug/l)	279	236	188	--	--	--	24.5
Zinc (ug/l)	6.38	2.52 B	5.17	--	--	--	19.1
DRO/GRO							
Diesel Range Organics (ug/l)	0.02 U	0.02 U	0.02 U	--	--	--	0.01 U
Gasoline Range Organics (ug/l)	100 U	100 U	100 U	--	--	--	100 U
Indicator Parameters							
Alkalinity (mg/l)	280	339	349	628	363	240	319
Chloride (mg/l)	131	13.8	30.5	--	--	--	9.11
Fluoride (mg/l)	0.68	0.228	0.356	0.44	1.32	0.37	0.405
Nitrate/Nitrite (mg/l)	0.11	0.05 U	0.09	--	--	--	0.05 U
Nitrogen, Ammonia (mg/l)	--	0.05 U	0.09	0.29	0.35	0.36	0.05 U
Sulfate (mg/l)	279	160	545	--	--	--	252
Total Dissolved Solids (mg/l)	851	626	1200	4390	1260	649	731
Total Suspended Solids (mg/l)	0.8 J	15.8	8.2	82	38.2	2.22 J	1.56 J
Semivolatile Organics							
1,2,4-Trichlorobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
1,2-Dichlorobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
1,3-Dichlorobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
1,4-Dichlorobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2,4,5-Trichlorophenol (ug/l)	25 U	25 U	25 U	--	--	--	25 U
2,4,6-Trichlorophenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2,4-Dichlorophenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2,4-Dimethylphenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2,4-Dinitrophenol (ug/l)	25 U	25 U	25 U	--	--	--	25 U
2,4-Dinitrotoluene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2,6-Dinitrotoluene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2-Chloronaphthalene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2-Chlorophenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2-Methylnaphthalene (ug/l)	10 U	10 U	10 U	--	--	--	10 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)
Sample No	LUGW0205	LUGW0206	LUGW0207	LUGW0209	LUGW0210	LUGW0211	LUGW0212
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/04/2000	10/31/2000	11/07/2000
Duplicate ID							
Northing	199433	199545	199541	199340	199444	199522	199585
Easting	517609	517592	517594	517255	517557	517165	517538
<i>Semivolatile Organics (continued)</i>							
2-Nitroaniline (ug/l)	25 U	25 U	25 U	--	--	--	25 U
2-Nitrophenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
2-methyl-4,6-dinitrophenol (ug/l)	25 U	25 U	25 U	--	--	--	25 U
3,3'-Dichlorobenzidine (ug/l)	10 U	10 U	10 U	--	--	--	10 U
3-Nitroaniline (ug/l)	25 U	25 U	25 U	--	--	--	25 U
4-Bromophenyl phenyl ether (ug/l)	10 U	10 U	10 U	--	--	--	10 U
4-Chloroaniline (ug/l)	10 U	10 U	10 U	--	--	--	10 U
4-Chlorophenylphenylether (ug/l)	10 U	10 U	10 U	--	--	--	10 U
4-Nitroaniline (ug/l)	25 U	25 U	25 U	--	--	--	25 U
4-Nitrophenol (ug/l)	25 U	25 U	25 U	--	--	--	25 U
Acenaphthene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Acenaphthylene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Anthracene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Benzo(a)anthracene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Benzo(a)pyrene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Benzo(b)fluoranthene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Benzo(ghi)perylene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Benzo(k)fluoranthene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Butylbenzylphthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Carbazole (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Chrysene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Di-n-butylphthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Di-n-octylphthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Dibenz(a,h)anthracene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Dibenzofuran (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Diethyl phthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Dimethyl phthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Diphenylamine (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Fluoranthene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Fluorene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Hexachlorobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Hexachlorobutadiene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Hexachlorocyclopentadiene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Hexachloroethane (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Indeno(1,2,3-cd)pyrene (ug/l)	10 U	10 U	10 U	--	--	--	10 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)
Sample No	LUGW0205	LUGW0206	LUGW0207	LUGW0209	LUGW0210	LUGW0211	LUGW0212
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/04/2000	10/31/2000	11/07/2000
Duplicate ID							
Northing	199433	199545	199541	199340	199444	199522	199585
Easting	517609	517592	517594	517255	517557	517165	517538
<i>Semivolatile Organics (continued)</i>							
Isophorone (ug/l)	10 U	10 U	10 U	--	--	--	10 U
N-Nitrosodipropylamine (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Naphthalene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Nitrobenzene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Pentachlorophenol (ug/l)	25 U	25 U	25 U	--	--	--	25 U
Phenanthrene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Phenol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
Pyrene (ug/l)	10 U	10 U	10 U	--	--	--	10 U
bis(2-chloroethoxy)methane (ug/l)	10 U	10 U	10 U	--	--	--	10 U
bis(2-chloroethyl) ether (ug/l)	10 U	10 U	10 U	--	--	--	10 U
bis(2-chloroisopropyl)ether (ug/l)	10 U	10 U	10 U	--	--	--	10 U
bis(2-ethylhexyl)phthalate (ug/l)	10 U	10 U	10 U	--	--	--	10 U
m,p-Cresol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
o-Cresol (ug/l)	10 U	10 U	10 U	--	--	--	10 U
<i>Volatile Organics</i>							
1,1,1-Trichloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,1,2,2-Tetrachloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,1,2-Trichloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,1-Dichloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,1-Dichloroethene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,2-Dichloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
1,2-Dichloroethylene (ug/l)	2 U	2 U	2 U	--	--	--	2 U
1,2-Dichloropropane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
2-Butanone (ug/l)	5 U	5 U	5 U	--	--	--	5 U
2-Hexanone (ug/l)	5 U	5 U	5 U	--	--	--	5 U
4-Methyl-2-pentanone (ug/l)	5 U	5 U	5 U	--	--	--	5 U
Acetone (ug/l)	2.3 U	2.4 U	4.5 U	--	--	--	4.6 U
Benzene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Bromodichloromethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Bromoform (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Bromomethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Carbon disulfide (ug/l)	5 U	5 U	5 U	--	--	--	5 U
Carbon tetrachloride (ug/l)	1 U	1 U	1 U	--	--	--	1 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)
Sample No	LUGW0205	LUGW0206	LUGW0207	LUGW0209	LUGW0210	LUGW0211	LUGW0212
Collection Date	11/06/2000	11/07/2000	11/07/2000	11/02/2000	11/04/2000	10/31/2000	11/07/2000
Duplicate ID							
Northing	199433	199545	199541	199340	199444	199522	199585
Easting	517609	517592	517594	517255	517557	517165	517538
<i>Volatile Organics (continued)</i>							
Chlorobenzene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Chloroethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Chloroform (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Chloromethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Dibromochloromethane (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Ethylbenzene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Methylene chloride (ug/l)	5 U	5 U	5 U	--	--	--	5 U
Styrene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Tetrachloroethene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Toluene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Trichloroethene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Vinyl chloride (ug/l)	1 U	1 U	1 U	--	--	--	1 U
Xylenes (total) (ug/l)	3 U	3 U	3 U	--	--	--	3 U
cis-1,3-dichloropropene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
trans-1,3-Dichloropropene (ug/l)	1 U	1 U	1 U	--	--	--	1 U
<i>Radiological Parameters</i>							
Gross Alpha (pCi/l)	2.98 J	4.35	3.09 J	14.2 J	5.5 J	2.79 UJ	3.09 J
Nonvolatile Beta (pCi/l)	17.8	6.04	3.33	23.4	7.37	8.47	4.26
Radium-226 (pCi/l)	0.83	1.91	0.54 J	0.61	0.92	3.12	1.29
Radium-228 (pCi/l)	0.4 U	0.08 U	0.42 U	0.07 U	0.1 U	-0.22 U	0.52 U
Uranium, total (ug/l)	--	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>							
Actinium-227 (pCi/l)	-4.98 U	4.05 U	-9.47 U	0.45 U	13.8 U	-17.2 U	5.23 U
Thorium-228 (pCi/l)	0.13 U	0.1 U	0.14 U	0.1 U	0.22	0.08 U	0.11 U
Thorium-230 (pCi/l)	0.09 J	0.09 J	0.06 U	0.08 U	0.06 U	0.05 U	0.03 U
Thorium-232 (pCi/l)	0 U	0 U	0.02 U	0.05 U	0.03 U	0.01 U	0 U
Uranium-233/234 (pCi/l)	1.33	0.93 B	0.73 B	2.23	0.26 J	0.23	0.36 B
Uranium-235 (pCi/l)	4.84 U	14.2 U	3.05 U	0.34 U	6.5 U	12.7 U	9.96 U
Uranium-235/236 (pCi/l)	0.06 U	0.06 U	0.04 U	0.07 J	-0.01 U	0.03 U	0.03 U
Uranium-238 (pCi/l)	1.2	0.92	0.37 J	2.09	0.37	0.2	0.22 J
<i>Radiological Parameters (GammaSpec)</i>							
Actinium-228 (pCi/l)	0 U	9.55 U	5.83 U	5.75 U	7.53 U	3.56 U	3.98 U
Cesium-137 (pCi/l)	0.38 U	0.18 U	0.25 U	0.47 U	0 U	-0.06 U	0 U
Cobalt-60 (pCi/l)	0.87 U	-0.68 U	0.64 U	-0.31 U	-0.31 U	0.59 U	-0.13 U
Potassium-40 (pCi/l)	29.8 U	13.1 U	7.25 U	27 U	28.6 J	38.7 U	0 U
Protactinium-231 (pCi/l)	9.67 U	-36.5 U	4.56 U	3.18 U	0.98 U	30.6 U	-0.62 U
Thorium-234 (pCi/l)	23.8 U	0 U	12.4 U	72.9 U	122 U	59.6 U	54.2 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-39(B)
Sample No	LUGW0214	LUGW0215	LUGW0215D	LUGW0216	LUGW0217	LUGW0218	LUGW0220
Collection Date	10/31/2000	11/03/2000	11/03/2000	11/05/2000	11/04/2000	11/06/2000	11/02/2000
Duplicate ID	LUGW9208						
Northing	199496	199583	199583	199291	199349	199583	199587
Easting	517367	517473	517473	517477	517339	517256	517402
Metals							
Aluminum (Filtered) (ug/l)	--	7.6 U	13.9 B	--	--	--	7.6 U
Aluminum (ug/l)	--	7.6 UE	7.6 UE	--	--	--	7.6 U
Antimony (Filtered) (ug/l)	--	2.83 B	9.78 B	--	--	--	3.08 B
Antimony (ug/l)	--	2.24 U	2.24 U	--	--	--	2.35 B
Arsenic (Filtered) (ug/l)	2.46 U	2.46 U	2.46 U	2.46 U	2.95 B	4.74 B	2.46 U
Arsenic (ug/l)	2.46 U	3.4 B	2.65 B	2.46 U	2.46 U	2.46 U	2.46 U
Barium (Filtered) (ug/l)	111	232	419	46.8	296	397	569
Barium (ug/l)	15.3	33.6	33.7	46.9	11.7	101	97
Beryllium (Filtered) (ug/l)	0.21 B	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium (Filtered) (ug/l)	--	0.36 U	0.36 U	--	--	--	0.36 U
Cadmium (ug/l)	--	0.36 U	0.36 U	--	--	--	0.36 U
Calcium (Filtered) (ug/l)	--	132000	144000	--	--	--	66200
Calcium (ug/l)	--	129000	130000	--	--	--	80900
Chromium (Filtered) (ug/l)	--	0.7 U	0.7 U	--	--	--	0.7 U
Chromium (ug/l)	--	0.7 U	0.7 U	--	--	--	0.73 B
Cobalt (Filtered) (ug/l)	--	1.55 B	1.83 B	--	--	--	0.67 U
Cobalt (ug/l)	--	1.57 B	1.33 B	--	--	--	0.67 U
Copper (Filtered) (ug/l)	--	1.54 U	1.54 U	--	--	--	2.6 U
Copper (ug/l)	--	1.54 U	1.54 U	--	--	--	1.54 U
Iron (Filtered) (ug/l)	--	637	632	--	--	--	151
Iron (ug/l)	--	649	644	--	--	--	180
Lead (Filtered) (ug/l)	16.6	2.25 U	3.12 B	3.54 B	13.3	2.25 U	2.25 U
Lead (ug/l)	30.6	2.25 U	2.25 U	2.25 U	11.3	2.31 B	2.25 U
Magnesium (Filtered) (ug/l)	--	55800	58700	--	--	--	32500
Magnesium (ug/l)	--	54000	54400	--	--	--	38900
Manganese (Filtered) (ug/l)	--	136	145	--	--	--	5.04 B
Manganese (ug/l)	--	134	133	--	--	--	4.79 B
Mercury (Filtered) (ug/l)	--	0.05 U	0.05 U	--	--	--	0.05 U
Mercury (ug/l)	--	0.05 U	0.05 U	--	--	--	0.05 U
Nickel (Filtered) (ug/l)	--	7.42	6.97	--	--	--	1.03 U
Nickel (ug/l)	--	7.66	6.48	--	--	--	1.38 B
Phosphorus (Filtered) (ug/l)	--	8.91 U	8.91 U	--	--	--	8.91 U
Phosphorus (ug/l)	--	8.91 U	8.91 U	--	--	--	8.91 U
Potassium (Filtered) (ug/l)	--	5850	4160	--	--	--	408 J
Potassium (ug/l)	--	5690	5680	--	--	--	964
Selenium (Filtered) (ug/l)	--	2.37 U	2.37 U	--	--	--	2.37 U
Selenium (ug/l)	--	2.37 U	2.37 U	--	--	--	2.37 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-39(B)
Sample No	LUGW0214	LUGW0215	LUGW0215D	LUGW0216	LUGW0217	LUGW0218	LUGW0220
Collection Date	10/31/2000	11/03/2000	11/03/2000	11/05/2000	11/04/2000	11/06/2000	11/02/2000
Duplicate ID	LUGW9208						
Northing	199496	199583	199583	199291	199349	199583	199587
Easting	517367	517473	517473	517477	517339	517256	517402
Metals (continued)							
Silver (Filtered) (ug/l)	--	0.62 U	0.62 U	--	--	--	0.62 U
Silver (ug/l)	--	0.62 U	0.62 U	--	--	--	0.62 U
Sodium (Filtered) (ug/l)	--	13200	18700	--	--	--	8530
Sodium (ug/l)	--	12400	12300	--	--	--	4330
Thallium (Filtered) (ug/l)	--	3.26 U	5.69 B	--	--	--	3.26 U
Thallium (ug/l)	--	4.89 B	3.5 B	--	--	--	3.26 U
Vanadium (Filtered) (ug/l)	--	0.46 U	0.46 U	--	--	--	0.46 U
Vanadium (ug/l)	--	0.46 U	0.46 U	--	--	--	0.46 U
Zinc (Filtered) (ug/l)	--	21.1	266	--	--	--	163 J
Zinc (ug/l)	--	1.58 B	0.5 U	--	--	--	2.87 B
DRO/GRO							
Diesel Range Organics (ug/l)	--	0.02 U	0.02 U	--	--	--	0.02 U
Gasoline Range Organics (ug/l)	--	100 U	100 U	--	--	--	100 U
Indicator Parameters							
Alkalinity (mg/l)	459	326	322	452	489	284	283
Chloride (mg/l)	--	16	10.9	--	--	--	4.97
Fluoride (mg/l)	0.64	1.44	0.585	0.79	2.43	0.43	0.288
Nitrate/Nitrite (mg/l)	--	0.05 U	0.05 U	--	--	--	0.05 U
Nitrogen, Ammonia (mg/l)	1.54	0.08	0.05	0.05 U	1.03	0.1	0.05 U
Sulfate (mg/l)	--	210	173	--	--	--	44.8
Total Dissolved Solids (mg/l)	2380	707	696	1270	2020	593	347
Total Suspended Solids (mg/l)	2.8 J	2 J	1.2 J	18.2	2 J	1.2 J	16.2
Semivolatile Organics							
1,2,4-Trichlorobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
1,2-Dichlorobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
1,3-Dichlorobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
1,4-Dichlorobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2,4,5-Trichlorophenol (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
2,4,6-Trichlorophenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2,4-Dichlorophenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2,4-Dimethylphenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2,4-Dinitrophenol (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
2,4-Dinitrotoluene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2,6-Dinitrotoluene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2-Chloronaphthalene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2-Chlorophenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2-Methylnaphthalene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-39(B)
Sample No	LUGW0214	LUGW0215	LUGW0215D	LUGW0216	LUGW0217	LUGW0218	LUGW0220
Collection Date	10/31/2000	11/03/2000	11/03/2000	11/05/2000	11/04/2000	11/06/2000	11/02/2000
Duplicate ID	LUGW9208						
Northing	199496	199583	199583	199291	199349	199583	199587
Easting	517367	517473	517473	517477	517339	517256	517402
<i>Semivolatile Organics (continued)</i>							
2-Nitroaniline (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
2-Nitrophenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
2-methyl-4,6-dinitrophenol (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
3,3'-Dichlorobenzidine (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
3-Nitroaniline (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
4-Bromophenyl phenyl ether (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
4-Chloroaniline (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
4-Chlorophenylphenylether (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
4-Nitroaniline (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
4-Nitrophenol (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
Acenaphthene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Acenaphthylene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Anthracene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Benzo(a)anthracene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Benzo(a)pyrene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Benzo(b)fluoranthene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Benzo(ghi)perylene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Benzo(k)fluoranthene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Butylbenzylphthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Carbazole (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Chrysene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Di-n-butylphthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Di-n-octylphthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Dibenz(a,h)anthracene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Dibenzofuran (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Diethyl phthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Dimethyl phthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Diphenylamine (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Fluoranthene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Fluorene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Hexachlorobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Hexachlorobutadiene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Hexachlorocyclopentadiene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Hexachloroethane (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Indeno(1,2,3-cd)pyrene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-39(B)
Sample No	LUGW0214	LUGW0215	LUGW0215D	LUGW0216	LUGW0217	LUGW0218	LUGW0220
Collection Date	10/31/2000	11/03/2000	11/03/2000	11/05/2000	11/04/2000	11/06/2000	11/02/2000
Duplicate ID	LUGW9208						
Northing	199496	199583	199583	199291	199349	199583	199587
Easting	517367	517473	517473	517477	517339	517256	517402
<i>Semivolatile Organics (continued)</i>							
Isophorone (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
N-Nitrosodipropylamine (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Naphthalene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Nitrobenzene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Pentachlorophenol (ug/l)	--	24.5 U	24.5 U	--	--	--	25.5 U
Phenanthrene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Phenol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
Pyrene (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
bis(2-chloroethoxy)methane (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
bis(2-chloroethyl) ether (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
bis(2-chloroisopropyl)ether (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
bis(2-ethylhexyl)phthalate (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
m,p-Cresol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
o-Cresol (ug/l)	--	9.8 U	9.8 U	--	--	--	10.2 U
<i>Volatile Organics</i>							
1,1,1-Trichloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
1,1,2,2-Tetrachloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
1,1,2-Trichloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
1,1-Dichloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
1,1-Dichloroethene (ug/l)	--	1 U	1 U	--	--	--	1 U
1,2-Dichloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
1,2-Dichloroethylene (ug/l)	--	2 U	2 U	--	--	--	2 U
1,2-Dichloropropane (ug/l)	--	1 U	1 U	--	--	--	1 U
2-Butanone (ug/l)	--	5 U	5 U	--	--	--	5 U
2-Hexanone (ug/l)	--	5 U	5 U	--	--	--	5 U
4-Methyl-2-pentanone (ug/l)	--	5 U	5 U	--	--	--	5 U
Acetone (ug/l)	--	2.4 U	2.2 U	--	--	--	5 U
Benzene (ug/l)	--	1 U	1 U	--	--	--	1 U
Bromodichloromethane (ug/l)	--	1 U	1 U	--	--	--	1 U
Bromoform (ug/l)	--	1 U	1 U	--	--	--	1 U
Bromomethane (ug/l)	--	1 U	1 U	--	--	--	1 U
Carbon disulfide (ug/l)	--	5 U	5 U	--	--	--	5 U
Carbon tetrachloride (ug/l)	--	1 U	1 U	--	--	--	1 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-39(B)
Sample No	LUGW0214	LUGW0215	LUGW0215D	LUGW0216	LUGW0217	LUGW0218	LUGW0220
Collection Date	10/31/2000	11/03/2000	11/03/2000	11/05/2000	11/04/2000	11/06/2000	11/02/2000
Duplicate ID	LUGW9208						
Northing	199496	199583	199583	199291	199349	199583	199587
Easting	517367	517473	517473	517477	517339	517256	517402
<i>Volatile Organics (continued)</i>							
Chlorobenzene (ug/l)	--	1 U	1 U	--	--	--	1 U
Chloroethane (ug/l)	--	1 U	1 U	--	--	--	1 U
Chloroform (ug/l)	--	1 U	1 U	--	--	--	1 U
Chloromethane (ug/l)	--	1 U	1 U	--	--	--	1 U
Dibromochloromethane (ug/l)	--	1 U	1 U	--	--	--	1 U
Ethylbenzene (ug/l)	--	1 U	1 U	--	--	--	1 U
Methylene chloride (ug/l)	--	5 U	5 U	--	--	--	1.3 J
Styrene (ug/l)	--	1 U	1 U	--	--	--	1 U
Tetrachloroethene (ug/l)	--	1 U	1 U	--	--	--	1 U
Toluene (ug/l)	--	1 U	1 U	--	--	--	1 U
Trichloroethene (ug/l)	--	1 U	1 U	--	--	--	1 U
Vinyl chloride (ug/l)	--	1 U	1 U	--	--	--	1 U
Xylenes (total) (ug/l)	--	3 U	3 U	--	--	--	3 U
cis-1,3-dichloropropene (ug/l)	--	1 U	1 U	--	--	--	1 U
trans-1,3-Dichloropropene (ug/l)	--	1 U	1 U	--	--	--	1 U
<i>Radiological Parameters</i>							
Gross Alpha (pCi/l)	13.9 J	1.17 UJ	2.62 J	11.4 J	1880 J	1.79 J	1.09 UJ
Nonvolatile Beta (pCi/l)	19.5	6.68	3.95	1.85 U	117	6.62	0.8 U
Radium-226 (pCi/l)	3.07	1.13	1.22	0.58 J	0.23 U	2.22	5.95
Radium-228 (pCi/l)	1 U	1.38 U	-0.08 U	0.11 U	0.42 U	0.62 U	0.43 U
Uranium, total (ug/l)	--	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>							
Actinium-227 (pCi/l)	-9.53 U	11.6 U	5.15 U	-0.3 U	-4.64 U	-7.54 U	-5.56 U
Thorium-228 (pCi/l)	-0.01 U	0.01 U	-0.01 U	0 U	0.01 U	0.11 U	-0.02 U
Thorium-230 (pCi/l)	0.03 U	0.01 U	0.08 U	0.04 U	0.13 B	0.02 U	0.05 U
Thorium-232 (pCi/l)	-0.01 U	-0.01 U	0 U	0.01 U	0.02 U	0 U	0.02 U
Uranium-233/234 (pCi/l)	7.16	0.43	0.26	3.88	75.5	0.46 J	0.19
Uranium-235 (pCi/l)	4.72 U	11.1 U	3.18 U	4.19 U	1.03 U	2.63 U	14.6 U
Uranium-235/236 (pCi/l)	0.39	0.01 U	0.02 U	0.08 U	3.28	-0.03 U	0 U
Uranium-238 (pCi/l)	6.15	0.26	0.27	2.53	77.2	0.45 J	0.04 U
<i>Radiological Parameters (GammaSpec)</i>							
Actinium-228 (pCi/l)	3.9 U	9.5 U	4.24 U	10.3 U	1.3 U	6.3 U	6.47 U
Cesium-137 (pCi/l)	0.29 U	0.3 U	-0.25 U	3.58 J	-1.18 U	-0.38 U	-0.41 U
Cobalt-60 (pCi/l)	-0.18 U	-0.9 U	-0.26 U	0.35 U	-1.78 U	0.6 U	0.93 U
Potassium-40 (pCi/l)	29.7 U	11.9 U	19.5 U	12.9 U	36.8 U	30.1 U	37.3 U
Protactinium-231 (pCi/l)	-24.1 U	-41.1 U	11.6 U	-53 U	-12.4 U	86.7 U	51.5 U
Thorium-234 (pCi/l)	19.9 U	0 U	45 U	72.3 U	54.8 U	142 U	139 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-40(B)	IA09-MW-41(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-29(I)
Sample No	LUGW0221	LUGW0222	LUGW0222D	LUGW0223	LUGW0224	LUGW0225	LUGW0225D
Collection Date	11/03/2000	11/03/2000	11/03/2000	11/02/2000	11/02/2000	11/01/2000	11/01/2000
Duplicate ID	LUGW9209			LUGW9210			
Northing	199290	199293	199293	199593	199593	199684	199684
Easting	517362	517360	517360	517330	517327	517109	517109
Metals							
Aluminum (Filtered) (ug/l)	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	--	--
Aluminum (ug/l)	7.6 UE	11.3 BE	7.6 UE	7.6 U	7.6 U	--	--
Antimony (Filtered) (ug/l)	2.24 U	4.16 B	2.24 U	2.78 B	4.22 B	--	--
Antimony (ug/l)	2.24 U	2.24 U	2.24 U	2.24 U	2.24 U	--	--
Arsenic (Filtered) (ug/l)	3.37 B	2.46 U	2.46 U	2.68 B	2.46 U	2.46 U	2.46 U
Arsenic (ug/l)	2.85 B	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U	2.46 U
Barium (Filtered) (ug/l)	351	607	241	285	465	442	268
Barium (ug/l)	28.6	36.4	36.4	52.1	80.6	126	125
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium (Filtered) (ug/l)	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	--	--
Cadmium (ug/l)	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	--	--
Calcium (Filtered) (ug/l)	161000	55500	56700	115000	109000	--	--
Calcium (ug/l)	154000	56600	56400	135000	132000	--	--
Chromium (Filtered) (ug/l)	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	--	--
Chromium (ug/l)	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	--	--
Cobalt (Filtered) (ug/l)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	--	--
Cobalt (ug/l)	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	--	--
Copper (Filtered) (ug/l)	1.67 B	2.52 B	1.54 U	2.61 U	2.98 U	--	--
Copper (ug/l)	1.54 U	1.77 B	1.54 U	1.54 U	1.54 U	--	--
Iron (Filtered) (ug/l)	676	83.3	73.7	771	1930	--	--
Iron (ug/l)	791	65	62.9	857	3180	--	--
Lead (Filtered) (ug/l)	4.17 B	2.25 U	2.25 U	9.5	2.25 U	2.25 U	7.13
Lead (ug/l)	5.15	2.25 U	2.25 U	2.25 U	2.25 U	2.25 U	2.25 U
Magnesium (Filtered) (ug/l)	72800	43900	45300	50900	49000	--	--
Magnesium (ug/l)	69000	44900	44800	58300	57900	--	--
Manganese (Filtered) (ug/l)	11.1	3.83 B	2.93 B	39.8	30.8	--	--
Manganese (ug/l)	11.7	2.67 B	2.28 B	43.3	36.9	--	--
Mercury (Filtered) (ug/l)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--
Mercury (ug/l)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--
Nickel (Filtered) (ug/l)	15.4	1.45 B	1.13 B	12.7	3.58 B	--	--
Nickel (ug/l)	18.1	1.03 U	1.03 U	14.6	3.15 B	--	--
Phosphorus (Filtered) (ug/l)	8.91 U	8.91 U	8.91 U	8.91 U	8.91 U	--	--
Phosphorus (ug/l)	8.91 U	164	8.91 U	8.91 U	8.91 U	--	--
Potassium (Filtered) (ug/l)	5520	7040	8890	3210 J	2470 J	--	--
Potassium (ug/l)	4910	8920	8900	3540	2780	--	--
Selenium (Filtered) (ug/l)	2.37 U	2.37 U	2.37 U	2.37 U	2.37 U	--	--
Selenium (ug/l)	2.37 U	2.37 U	2.37 U	2.37 U	2.43 U	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-40(B)	IA09-MW-41(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-29(I)
Sample No	LUGW0221	LUGW0222	LUGW0222D	LUGW0223	LUGW0224	LUGW0225	LUGW0225D
Collection Date	11/03/2000	11/03/2000	11/03/2000	11/02/2000	11/02/2000	11/01/2000	11/01/2000
Duplicate ID			LUGW9209				LUGW9210
Northing	199290	199293	199293	199593	199593	199684	199684
Easting	517362	517360	517360	517330	517327	517109	517109
Metals (continued)							
Silver (Filtered) (ug/l)	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	--	--
Silver (ug/l)	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	--	--
Sodium (Filtered) (ug/l)	47500	27300	22400	32500	60100	--	--
Sodium (ug/l)	51500	21700	21600	27300	51300	--	--
Thallium (Filtered) (ug/l)	4.39 B	3.26 U	3.26 U	3.26 U	3.26 U	--	--
Thallium (ug/l)	4.26 B	3.26 U	3.26 U	4.33 B	3.8 B	--	--
Vanadium (Filtered) (ug/l)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	--	--
Vanadium (ug/l)	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	--	--
Zinc (Filtered) (ug/l)	251	86.2	42.9	216 J	183 J	--	--
Zinc (ug/l)	2.77 B	0.5 U	1 B	5.35	0.5 U	--	--
DRO/GRO							
Diesel Range Organics (ug/l)	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--
Gasoline Range Organics (ug/l)	100 U	100 U	100 U	100 U	100 U	--	--
Indicator Parameters							
Alkalinity (mg/l)	359	192	191	302	332	252	204
Chloride (mg/l)	16	30.5	30.8	23.7	12.9	--	--
Fluoride (mg/l)	0.572	0.547	0.865	0.294	0.254	0.44	0.43
Nitrate/Nitrite (mg/l)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	--	--
Nitrogen, Ammonia (mg/l)	4.41	0.05 U	0.05 U	1.01	0.04 J	0.05 U	0.04 J
Sulfate (mg/l)	365	99	98.2	224	285	--	--
Total Dissolved Solids (mg/l)	973	422	433	752	815	383	377
Total Suspended Solids (mg/l)	2.4 J	3.8 J	4.4 J	1.6 J	6.4	9.4	13.3
Semivolatile Organics							
1,2,4-Trichlorobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
1,2-Dichlorobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
1,3-Dichlorobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
1,4-Dichlorobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2,4,5-Trichlorophenol (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
2,4,6-Trichlorophenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2,4-Dichlorophenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2,4-Dimethylphenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2,4-Dinitrophenol (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
2,4-Dinitrotoluene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2,6-Dinitrotoluene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2-Chloronaphthalene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2-Chlorophenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2-Methylnaphthalene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-40(B)	IA09-MW-41(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-29(I)
Sample No	LUGW0221	LUGW0222	LUGW0222D	LUGW0223	LUGW0224	LUGW0225	LUGW0225D
Collection Date	11/03/2000	11/03/2000	11/03/2000	11/02/2000	11/02/2000	11/01/2000	11/01/2000
Duplicate ID			LUGW9209				LUGW9210
Northing	199290	199293	199293	199593	199593	199684	199684
Easting	517362	517360	517360	517330	517327	517109	517109
<i>Semivolatile Organics (continued)</i>							
2-Nitroaniline (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
2-Nitrophenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
2-methyl-4,6-dinitrophenol (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
3,3'-Dichlorobenzidine (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
3-Nitroaniline (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
4-Bromophenyl phenyl ether (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
4-Chloroaniline (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
4-Chlorophenylphenylether (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
4-Nitroaniline (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
4-Nitrophenol (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
Acenaphthene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Acenaphthylene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Anthracene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Benzo(a)anthracene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Benzo(a)pyrene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Benzo(b)fluoranthene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Benzo(ghi)perylene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Benzo(k)fluoranthene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Butylbenzylphthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Carbazole (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Chrysene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Di-n-butylphthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Di-n-octylphthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Dibenz(a,h)anthracene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Dibenzofuran (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Diethyl phthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Dimethyl phthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Diphenylamine (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Fluoranthene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Fluorene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Hexachlorobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Hexachlorobutadiene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Hexachlorocyclopentadiene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Hexachloroethane (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Indeno(1,2,3-cd)pyrene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-40(B)	IA09-MW-41(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-29(I)
Sample No	LUGW0221	LUGW0222	LUGW0222D	LUGW0223	LUGW0224	LUGW0225	LUGW0225D
Collection Date	11/03/2000	11/03/2000	11/03/2000	11/02/2000	11/02/2000	11/01/2000	11/01/2000
Duplicate ID			LUGW9209				LUGW9210
Northing	199290	199293	199293	199593	199593	199684	199684
Easting	517362	517360	517360	517330	517327	517109	517109
<i>Semivolatile Organics (continued)</i>							
Isophorone (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
N-Nitrosodipropylamine (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Naphthalene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Nitrobenzene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Pentachlorophenol (ug/l)	25 U	25 U	25 U	24.5 U	25 U	--	--
Phenanthrene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Phenol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
Pyrene (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
bis(2-chloroethoxy)methane (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
bis(2-chloroethyl) ether (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
bis(2-chloroisopropyl)ether (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
bis(2-ethylhexyl)phthalate (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
m,p-Cresol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
o-Cresol (ug/l)	10 U	10 U	10 U	9.8 U	10 U	--	--
<i>Volatile Organics</i>							
1,1,1-Trichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,1,2,2-Tetrachloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,1,2-Trichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,1-Dichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,1-Dichloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,2-Dichloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
1,2-Dichloroethylene (ug/l)	2 U	2 U	2 U	2 U	2 U	--	--
1,2-Dichloropropane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
2-Butanone (ug/l)	5 U	5 U	5 U	5 U	5 U	--	--
2-Hexanone (ug/l)	5 U	5 U	5 U	5 U	5 U	--	--
4-Methyl-2-pentanone (ug/l)	5 U	5 U	5 U	5 U	5 U	--	--
Acetone (ug/l)	2.3 U	4.7 U	3.4 U	5 U	5 U	--	--
Benzene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Bromodichloromethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Bromoform (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Bromomethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Carbon disulfide (ug/l)	5 U	5 U	5 U	5 U	5 U	--	--
Carbon tetrachloride (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--

-- not analyzed

GW0001 - Uretech Tap

GW0002 - Berfield Residence

GW0003 - Wairse Residence

PW(E) - East Production Well

PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-40(B)	IA09-MW-41(B)	IA09-MW-41(B)	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-29(I)
Sample No	LUGW0221	LUGW0222	LUGW0222D	LUGW0223	LUGW0224	LUGW0225	LUGW0225D
Collection Date	11/03/2000	11/03/2000	11/03/2000	11/02/2000	11/02/2000	11/01/2000	11/01/2000
Duplicate ID	LUGW9209					LUGW9210	
Northing	199290	199293	199293	199593	199593	199684	199684
Easting	517362	517360	517360	517330	517327	517109	517109
<i>Volatile Organics (continued)</i>							
Chlorobenzene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Chloroethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Chloroform (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Chloromethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Dibromochloromethane (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Ethylbenzene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Methylene chloride (ug/l)	5 U	5 U	5 U	0.99 J	1.2 J	--	--
Styrene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Tetrachloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Toluene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Trichloroethene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Vinyl chloride (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
Xylenes (total) (ug/l)	3 U	3 U	3 U	3 U	3 U	--	--
cis-1,3-dichloropropene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
trans-1,3-Dichloropropene (ug/l)	1 U	1 U	1 U	1 U	1 U	--	--
<i>Radiological Parameters</i>							
Gross Alpha (pCi/l)	5.62 J	3.36 J	2.65 J	3.23 UJ	1.58 UJ	1.49 UJ	2.74 J
Nonvolatile Beta (pCi/l)	7.66	10.1	9.75	5.03	2.46 U	3.77	3.09
Radium-226 (pCi/l)	2.37	1.27	-0.14 U	1.96	0.69	0.83	0.03 U
Radium-228 (pCi/l)	0.29 U	0.23 U	0.4 U	0.72 U	-0.16 U	0.54 U	0.11 U
Uranium, total (ug/l)	--	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>							
Actinium-227 (pCi/l)	-0.24 U	-7.93 U	-9.36 U	-15.5 U	-16.2 U	-2.81 U	-20.3 U
Thorium-228 (pCi/l)	-0.03 U	-0.02 U	0.05 U	-0.02 U	0 U	0.01 U	-0.07 U
Thorium-230 (pCi/l)	0.02 U	0.03 U	0.06 U	0.02 U	-0.02 U	0.03 U	0.05 U
Thorium-232 (pCi/l)	0 U	0 U	0.02 U	0.01 U	0.01 U	0.01 U	-0.01 U
Uranium-233/234 (pCi/l)	0.89	0.16 J	0.31	1.52	0.49	0.25	0.4
Uranium-235 (pCi/l)	-2.47 U	-1.93 U	3.35 U	5.52 U	3.42 U	11.7 U	10 U
Uranium-235/236 (pCi/l)	0.01 U	-0.01 U	0.07 U	0.13	0.03 U	0 U	0.01 U
Uranium-238 (pCi/l)	0.43	0.23	0.19 J	0.66	0.19	0.21	0.15
<i>Radiological Parameters (GammaSpec)</i>							
Actinium-228 (pCi/l)	4.23 U	5.06 U	0 U	5.84 U	4.02 U	0.82 U	6.29 U
Cesium-137 (pCi/l)	1.11 U	28.9	-0.15 U	2.34 U	1.03 U	1.61 U	-1.74 U
Cobalt-60 (pCi/l)	0.41 U	0.51 U	1.14 U	1.16 U	1.24 U	3.77 U	0.62 U
Potassium-40 (pCi/l)	0 U	0.95 U	7.11 U	26.3 U	23.8 U	34.3 U	23.2 U
Protactinium-231 (pCi/l)	-15.3 U	102 U	5.38 U	4.91 U	-4.78 U	-34.4 U	-17.1 U
Thorium-234 (pCi/l)	63.8 U	40.2 U	68.2 U	18.4 U	0 U	16 U	57.8 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)
Sample No	LUGW0226	LUGW0227	LUGW0228	LUGW0229	LUGW0230	LUGW0231
Collection Date	11/01/2000	11/01/2000	11/01/2000	11/04/2000	11/08/2000	11/01/2000
Duplicate ID						
Northing	199687	199712	199712	199801	199801	199796
Easting	517109	517305	517308	517203	517206	517506
Metals						
Aluminum (Filtered) (ug/l)	--	--	--	--	--	--
Aluminum (ug/l)	--	--	--	--	--	--
Antimony (Filtered) (ug/l)	--	--	--	--	--	--
Antimony (ug/l)	--	--	--	--	--	--
Arsenic (Filtered) (ug/l)	2.7 B	2.46 U	2.46 U	2.46 U	--	2.46 U
Arsenic (ug/l)	2.46 U	2.46 U	2.46 U	2.58 B	2.46 U	2.46 U
Barium (Filtered) (ug/l)	555	150	609	565	--	308
Barium (ug/l)	95.5	108	109	82.4	406	144
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	--	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium (Filtered) (ug/l)	--	--	--	--	--	--
Cadmium (ug/l)	--	--	--	--	--	--
Calcium (Filtered) (ug/l)	--	--	--	--	--	--
Calcium (ug/l)	--	--	--	--	--	--
Chromium (Filtered) (ug/l)	--	--	--	--	--	--
Chromium (ug/l)	--	--	--	--	--	--
Cobalt (Filtered) (ug/l)	--	--	--	--	--	--
Cobalt (ug/l)	--	--	--	--	--	--
Copper (Filtered) (ug/l)	--	--	--	--	--	--
Copper (ug/l)	--	--	--	--	--	--
Iron (Filtered) (ug/l)	--	--	--	--	--	--
Iron (ug/l)	--	--	--	--	--	--
Lead (Filtered) (ug/l)	2.25 U	2.25 U	2.25 U	2.25 U	--	2.25 U
Lead (ug/l)	2.25 U	2.25 U	2.25 U	2.25 U	12	2.25 U
Magnesium (Filtered) (ug/l)	--	--	--	--	--	--
Magnesium (ug/l)	--	--	--	--	--	--
Manganese (Filtered) (ug/l)	--	--	--	--	--	--
Manganese (ug/l)	--	--	--	--	--	--
Mercury (Filtered) (ug/l)	--	--	--	--	--	--
Mercury (ug/l)	--	--	--	--	--	--
Nickel (Filtered) (ug/l)	--	--	--	--	--	--
Nickel (ug/l)	--	--	--	--	--	--
Phosphorus (Filtered) (ug/l)	--	--	--	--	--	--
Phosphorus (ug/l)	--	--	--	--	--	--
Potassium (Filtered) (ug/l)	--	--	--	--	--	--
Potassium (ug/l)	--	--	--	--	--	--
Selenium (Filtered) (ug/l)	--	--	--	--	--	--
Selenium (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)
Sample No	LUGW0226	LUGW0227	LUGW0228	LUGW0229	LUGW0230	LUGW0231
Collection Date	11/01/2000	11/01/2000	11/01/2000	11/04/2000	11/08/2000	11/01/2000
Duplicate ID						
Northing	199687	199712	199712	199801	199801	199796
Easting	517109	517305	517308	517203	517206	517506
Metals (continued)						
Silver (Filtered) (ug/l)	--	--	--	--	--	--
Silver (ug/l)	--	--	--	--	--	--
Sodium (Filtered) (ug/l)	--	--	--	--	--	--
Sodium (ug/l)	--	--	--	--	--	--
Thallium (Filtered) (ug/l)	--	--	--	--	--	--
Thallium (ug/l)	--	--	--	--	--	--
Vanadium (Filtered) (ug/l)	--	--	--	--	--	--
Vanadium (ug/l)	--	--	--	--	--	--
Zinc (Filtered) (ug/l)	--	--	--	--	--	--
Zinc (ug/l)	--	--	--	--	--	--
DRO/GRO						
Diesel Range Organics (ug/l)	--	--	--	--	--	--
Gasoline Range Organics (ug/l)	--	--	--	--	--	--
Indicator Parameters						
Alkalinity (mg/l)	197	239	212	220	999	270
Chloride (mg/l)	--	--	--	--	--	--
Fluoride (mg/l)	0.44	0.41	0.35	0.43	0.23	0.32
Nitrate/Nitrite (mg/l)	--	--	--	--	--	--
Nitrogen, Ammonia (mg/l)	0.05 U	0.14	0.05 U	0.05 U	0.07	0.05 U
Sulfate (mg/l)	--	--	--	--	--	--
Total Dissolved Solids (mg/l)	366	456	379	395	978	489
Total Suspended Solids (mg/l)	1.8 J	6	12.2	1 J	90.7	7.8
Semivolatile Organics						
1,2,4-Trichlorobenzene (ug/l)	--	--	--	--	--	--
1,2-Dichlorobenzene (ug/l)	--	--	--	--	--	--
1,3-Dichlorobenzene (ug/l)	--	--	--	--	--	--
1,4-Dichlorobenzene (ug/l)	--	--	--	--	--	--
2,4,5-Trichlorophenol (ug/l)	--	--	--	--	--	--
2,4,6-Trichlorophenol (ug/l)	--	--	--	--	--	--
2,4-Dichlorophenol (ug/l)	--	--	--	--	--	--
2,4-Dimethylphenol (ug/l)	--	--	--	--	--	--
2,4-Dinitrophenol (ug/l)	--	--	--	--	--	--
2,4-Dinitrotoluene (ug/l)	--	--	--	--	--	--
2,6-Dinitrotoluene (ug/l)	--	--	--	--	--	--
2-Chloronaphthalene (ug/l)	--	--	--	--	--	--
2-Chlorophenol (ug/l)	--	--	--	--	--	--
2-Methylnaphthalene (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)
Sample No	LUGW0226	LUGW0227	LUGW0228	LUGW0229	LUGW0230	LUGW0231
Collection Date	11/01/2000	11/01/2000	11/01/2000	11/04/2000	11/08/2000	11/01/2000
Duplicate ID						
Northing	199687	199712	199712	199801	199801	199796
Easting	517109	517305	517308	517203	517206	517506
<i>Semivolatile Organics (continued)</i>						
2-Nitroaniline (ug/l)	--	--	--	--	--	--
2-Nitrophenol (ug/l)	--	--	--	--	--	--
2-methyl-4,6-dinitrophenol (ug/l)	--	--	--	--	--	--
3,3'-Dichlorobenzidine (ug/l)	--	--	--	--	--	--
3-Nitroaniline (ug/l)	--	--	--	--	--	--
4-Bromophenyl phenyl ether (ug/l)	--	--	--	--	--	--
4-Chloroaniline (ug/l)	--	--	--	--	--	--
4-Chlorophenylphenylether (ug/l)	--	--	--	--	--	--
4-Nitroaniline (ug/l)	--	--	--	--	--	--
4-Nitrophenol (ug/l)	--	--	--	--	--	--
Acenaphthene (ug/l)	--	--	--	--	--	--
Acenaphthylene (ug/l)	--	--	--	--	--	--
Anthracene (ug/l)	--	--	--	--	--	--
Benzo(a)anthracene (ug/l)	--	--	--	--	--	--
Benzo(a)pyrene (ug/l)	--	--	--	--	--	--
Benzo(b)fluoranthene (ug/l)	--	--	--	--	--	--
Benzo(ghi)perylene (ug/l)	--	--	--	--	--	--
Benzo(k)fluoranthene (ug/l)	--	--	--	--	--	--
Butylbenzylphthalate (ug/l)	--	--	--	--	--	--
Carbazole (ug/l)	--	--	--	--	--	--
Chrysene (ug/l)	--	--	--	--	--	--
Di-n-butylphthalate (ug/l)	--	--	--	--	--	--
Di-n-octylphthalate (ug/l)	--	--	--	--	--	--
Dibenz(a,h)anthracene (ug/l)	--	--	--	--	--	--
Dibenzofuran (ug/l)	--	--	--	--	--	--
Diethyl phthalate (ug/l)	--	--	--	--	--	--
Dimethyl phthalate (ug/l)	--	--	--	--	--	--
Diphenylamine (ug/l)	--	--	--	--	--	--
Fluoranthene (ug/l)	--	--	--	--	--	--
Fluorene (ug/l)	--	--	--	--	--	--
Hexachlorobenzene (ug/l)	--	--	--	--	--	--
Hexachlorobutadiene (ug/l)	--	--	--	--	--	--
Hexachlorocyclopentadiene (ug/l)	--	--	--	--	--	--
Hexachloroethane (ug/l)	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)
Sample No	LUGW0226	LUGW0227	LUGW0228	LUGW0229	LUGW0230	LUGW0231
Collection Date	11/01/2000	11/01/2000	11/01/2000	11/04/2000	11/08/2000	11/01/2000
Duplicate ID						
Northing	199687	199712	199712	199801	199801	199796
Easting	517109	517305	517308	517203	517206	517506
<i>Semivolatile Organics (continued)</i>						
Isophorone (ug/l)	--	--	--	--	--	--
N-Nitrosodipropylamine (ug/l)	--	--	--	--	--	--
Naphthalene (ug/l)	--	--	--	--	--	--
Nitrobenzene (ug/l)	--	--	--	--	--	--
Pentachlorophenol (ug/l)	--	--	--	--	--	--
Phenanthrene (ug/l)	--	--	--	--	--	--
Phenol (ug/l)	--	--	--	--	--	--
Pyrene (ug/l)	--	--	--	--	--	--
bis(2-chloroethoxy)methane (ug/l)	--	--	--	--	--	--
bis(2-chloroethyl) ether (ug/l)	--	--	--	--	--	--
bis(2-chloroisopropyl)ether (ug/l)	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate (ug/l)	--	--	--	--	--	--
m,p-Cresol (ug/l)	--	--	--	--	--	--
o-Cresol (ug/l)	--	--	--	--	--	--
<i>Volatile Organics</i>						
1,1,1-Trichloroethane (ug/l)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane (ug/l)	--	--	--	--	--	--
1,1,2-Trichloroethane (ug/l)	--	--	--	--	--	--
1,1-Dichloroethane (ug/l)	--	--	--	--	--	--
1,1-Dichloroethene (ug/l)	--	--	--	--	--	--
1,2-Dichloroethane (ug/l)	--	--	--	--	--	--
1,2-Dichloroethylene (ug/l)	--	--	--	--	--	--
1,2-Dichloropropane (ug/l)	--	--	--	--	--	--
2-Butanone (ug/l)	--	--	--	--	--	--
2-Hexanone (ug/l)	--	--	--	--	--	--
4-Methyl-2-pentanone (ug/l)	--	--	--	--	--	--
Acetone (ug/l)	--	--	--	--	--	--
Benzene (ug/l)	--	--	--	--	--	--
Bromodichloromethane (ug/l)	--	--	--	--	--	--
Bromoform (ug/l)	--	--	--	--	--	--
Bromomethane (ug/l)	--	--	--	--	--	--
Carbon disulfide (ug/l)	--	--	--	--	--	--
Carbon tetrachloride (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)	IA09-OMW-35(I)
Sample No	LUGW0226	LUGW0227	LUGW0228	LUGW0229	LUGW0230	LUGW0231
Collection Date	11/01/2000	11/01/2000	11/01/2000	11/04/2000	11/08/2000	11/01/2000
Duplicate ID						
Northing	199687	199712	199712	199801	199801	199796
Easting	517109	517305	517308	517203	517206	517506
<i>Volatile Organics (continued)</i>						
Chlorobenzene (ug/l)	--	--	--	--	--	--
Chloroethane (ug/l)	--	--	--	--	--	--
Chloroform (ug/l)	--	--	--	--	--	--
Chloromethane (ug/l)	--	--	--	--	--	--
Dibromochloromethane (ug/l)	--	--	--	--	--	--
Ethylbenzene (ug/l)	--	--	--	--	--	--
Methylene chloride (ug/l)	--	--	--	--	--	--
Styrene (ug/l)	--	--	--	--	--	--
Tetrachloroethene (ug/l)	--	--	--	--	--	--
Toluene (ug/l)	--	--	--	--	--	--
Trichloroethene (ug/l)	--	--	--	--	--	--
Vinyl chloride (ug/l)	--	--	--	--	--	--
Xylenes (total) (ug/l)	--	--	--	--	--	--
cis-1,3-dichloropropene (ug/l)	--	--	--	--	--	--
trans-1,3-Dichloropropene (ug/l)	--	--	--	--	--	--
<i>Radiological Parameters</i>						
Gross Alpha (pCi/l)	1.37 UJ	2.03 J	2.27 J	1.87 J	4.51	3.48 J
Nonvolatile Beta (pCi/l)	2.39 U	1.84 U	2.47	1.96 U	27.4	3.25
Radium-226 (pCi/l)	1.26	0.03 U	2.5	0.09 U	3.02	1.62
Radium-228 (pCi/l)	0.04 U	0.41 U	0.18 U	0.31 U	0.75 U	-0.12 U
Uranium, total (ug/l)	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>						
Actinium-227 (pCi/l)	13.8 U	-24.8 U	14 U	-6.19 U	5.49 U	-2.12 U
Thorium-228 (pCi/l)	0.03 U	0.02 U	0.03 U	0.11 U	0.1 U	-0.06 U
Thorium-230 (pCi/l)	0.08 U	0.01 U	0 U	0.09 J	0.04 U	0.05 U
Thorium-232 (pCi/l)	0.13	0 U	0 U	0.01 U	0 U	0.03 U
Uranium-233/234 (pCi/l)	0.33	0.51	0.17 J	0.26	0.01 U	0.37
Uranium-235 (pCi/l)	6.89 U	0.61 U	4.33 U	18.8 U	4.35 U	-1.35 U
Uranium-235/236 (pCi/l)	-0.01 U	0.01 U	0.04 U	0 U	0.01 U	0.01 U
Uranium-238 (pCi/l)	0.15	0.2	0.04 U	0.11	0.01 U	0.24
<i>Radiological Parameters (GammaSpec)</i>						
Actinium-228 (pCi/l)	7.79 U	2.16 U	13.5 U	5.9 U	11.8 U	8.42 U
Cesium-137 (pCi/l)	0.92 U	1.07 U	2.12 U	0.17 U	-0.17 U	1.67 U
Cobalt-60 (pCi/l)	-2.48 U	1.05 U	0.04 U	1.18 U	-0.09 U	-0.68 U
Potassium-40 (pCi/l)	14.2 U	31.5 U	25 U	27.1 U	30.6 U	29.5 U
Protactinium-231 (pCi/l)	64.2 U	20.1 U	-27.6 U	77.2 U	-71.8 U	6.18 U
Thorium-234 (pCi/l)	0 U	113 U	99.1 U	0 U	0 U	19.6 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)	IA09-OMW-45(S)
Sample No	LUGW0231D	LUGW0232	LUGW0233	LUGW0234	LUGW0239	LUGW0238
Collection Date	11/01/2000	11/01/2000	11/05/2000	11/03/2000	11/02/2000	11/04/2000
Duplicate ID	LUGW9211					
Northing	199796	199799	199914	199915	199713	199929
Easting	517506	517506	517179	517182	517306	517521
Metals						
Aluminum (Filtered) (ug/l)	--	--	--	--	--	--
Aluminum (ug/l)	--	--	--	--	--	--
Antimony (Filtered) (ug/l)	--	--	--	--	--	--
Antimony (ug/l)	--	--	--	--	--	--
Arsenic (Filtered) (ug/l)	2.46 U	2.46 U	2.46 U	2.66 B	2.46 U	3.08 B
Arsenic (ug/l)	2.46 U	2.46 U	2.46 U	2.46 U	2.87 B	2.46 U
Barium (Filtered) (ug/l)	438	315	468	98.4	62.4	496
Barium (ug/l)	136	91.1	75	96.3	74	169
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Cadmium (Filtered) (ug/l)	--	--	--	--	--	--
Cadmium (ug/l)	--	--	--	--	--	--
Calcium (Filtered) (ug/l)	--	--	--	--	--	--
Calcium (ug/l)	--	--	--	--	--	--
Chromium (Filtered) (ug/l)	--	--	--	--	--	--
Chromium (ug/l)	--	--	--	--	--	--
Cobalt (Filtered) (ug/l)	--	--	--	--	--	--
Cobalt (ug/l)	--	--	--	--	--	--
Copper (Filtered) (ug/l)	--	--	--	--	--	--
Copper (ug/l)	--	--	--	--	--	--
Iron (Filtered) (ug/l)	--	--	--	--	--	--
Iron (ug/l)	--	--	--	--	--	--
Lead (Filtered) (ug/l)	2.25 U	2.25 U	2.25 U	2.25 U	2.25 U	2.25 U
Lead (ug/l)	2.25 U	2.25 U	2.25 U	2.25 U	5.99	2.25 U
Magnesium (Filtered) (ug/l)	--	--	--	--	--	--
Magnesium (ug/l)	--	--	--	--	--	--
Manganese (Filtered) (ug/l)	--	--	--	--	--	--
Manganese (ug/l)	--	--	--	--	--	--
Mercury (Filtered) (ug/l)	--	--	--	--	--	--
Mercury (ug/l)	--	--	--	--	--	--
Nickel (Filtered) (ug/l)	--	--	--	--	--	--
Nickel (ug/l)	--	--	--	--	--	--
Phosphorus (Filtered) (ug/l)	--	--	--	--	--	--
Phosphorus (ug/l)	--	--	--	--	--	--
Potassium (Filtered) (ug/l)	--	--	--	--	--	--
Potassium (ug/l)	--	--	--	--	--	--
Selenium (Filtered) (ug/l)	--	--	--	--	--	--
Selenium (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)	IA09-OMW-45(S)
Sample No	LUGW0231D	LUGW0232	LUGW0233	LUGW0234	LUGW0239	LUGW0238
Collection Date	11/01/2000	11/01/2000	11/05/2000	11/03/2000	11/02/2000	11/04/2000
Duplicate ID	LUGW9211					
Northing	199796	199799	199914	199915	199713	199929
Easting	517506	517506	517179	517182	517306	517521
Metals (continued)						
Silver (Filtered) (ug/l)	--	--	--	--	--	--
Silver (ug/l)	--	--	--	--	--	--
Sodium (Filtered) (ug/l)	--	--	--	--	--	--
Sodium (ug/l)	--	--	--	--	--	--
Thallium (Filtered) (ug/l)	--	--	--	--	--	--
Thallium (ug/l)	--	--	--	--	--	--
Vanadium (Filtered) (ug/l)	--	--	--	--	--	--
Vanadium (ug/l)	--	--	--	--	--	--
Zinc (Filtered) (ug/l)	--	--	--	--	--	--
Zinc (ug/l)	--	--	--	--	--	--
DRO/GRO						
Diesel Range Organics (ug/l)	--	--	--	--	--	--
Gasoline Range Organics (ug/l)	--	--	--	--	--	--
Indicator Parameters						
Alkalinity (mg/l)	277	78.6	187	190	285	251
Chloride (mg/l)	--	--	--	--	--	--
Fluoride (mg/l)	0.37	0.16	0.62	0.59	0.51	0.63
Nitrate/Nitrite (mg/l)	--	--	--	--	--	--
Nitrogen, Ammonia (mg/l)	0.05 U	0.05 U	0.03 J	0.05 U	0.13	0.05 U
Sulfate (mg/l)	--	--	--	--	--	--
Total Dissolved Solids (mg/l)	487	120	375	414	1170	360
Total Suspended Solids (mg/l)	6.6	57.8	6.8	2.4 J	3.4 J	3.4 J
Semivolatile Organics						
1,2,4-Trichlorobenzene (ug/l)	--	--	--	--	--	--
1,2-Dichlorobenzene (ug/l)	--	--	--	--	--	--
1,3-Dichlorobenzene (ug/l)	--	--	--	--	--	--
1,4-Dichlorobenzene (ug/l)	--	--	--	--	--	--
2,4,5-Trichlorophenol (ug/l)	--	--	--	--	--	--
2,4,6-Trichlorophenol (ug/l)	--	--	--	--	--	--
2,4-Dichlorophenol (ug/l)	--	--	--	--	--	--
2,4-Dimethylphenol (ug/l)	--	--	--	--	--	--
2,4-Dinitrophenol (ug/l)	--	--	--	--	--	--
2,4-Dinitrotoluene (ug/l)	--	--	--	--	--	--
2,6-Dinitrotoluene (ug/l)	--	--	--	--	--	--
2-Chloronaphthalene (ug/l)	--	--	--	--	--	--
2-Chlorophenol (ug/l)	--	--	--	--	--	--
2-Methylnaphthalene (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)	IA09-OMW-45(S)
Sample No	LUGW0231D	LUGW0232	LUGW0233	LUGW0234	LUGW0239	LUGW0238
Collection Date	11/01/2000	11/01/2000	11/05/2000	11/03/2000	11/02/2000	11/04/2000
Duplicate ID	LUGW9211					
Northing	199796	199799	199914	199915	199713	199929
Easting	517506	517506	517179	517182	517306	517521
<i>Semivolatile Organics (continued)</i>						
2-Nitroaniline (ug/l)	--	--	--	--	--	--
2-Nitrophenol (ug/l)	--	--	--	--	--	--
2-methyl-4,6-dinitrophenol (ug/l)	--	--	--	--	--	--
3,3'-Dichlorobenzidine (ug/l)	--	--	--	--	--	--
3-Nitroaniline (ug/l)	--	--	--	--	--	--
4-Bromophenyl phenyl ether (ug/l)	--	--	--	--	--	--
4-Chloroaniline (ug/l)	--	--	--	--	--	--
4-Chlorophenylphenylether (ug/l)	--	--	--	--	--	--
4-Nitroaniline (ug/l)	--	--	--	--	--	--
4-Nitrophenol (ug/l)	--	--	--	--	--	--
Acenaphthene (ug/l)	--	--	--	--	--	--
Acenaphthylene (ug/l)	--	--	--	--	--	--
Anthracene (ug/l)	--	--	--	--	--	--
Benzo(a)anthracene (ug/l)	--	--	--	--	--	--
Benzo(a)pyrene (ug/l)	--	--	--	--	--	--
Benzo(b)fluoranthene (ug/l)	--	--	--	--	--	--
Benzo(ghi)perylene (ug/l)	--	--	--	--	--	--
Benzo(k)fluoranthene (ug/l)	--	--	--	--	--	--
Butylbenzylphthalate (ug/l)	--	--	--	--	--	--
Carbazole (ug/l)	--	--	--	--	--	--
Chrysene (ug/l)	--	--	--	--	--	--
Di-n-butylphthalate (ug/l)	--	--	--	--	--	--
Di-n-octylphthalate (ug/l)	--	--	--	--	--	--
Dibenz(a,h)anthracene (ug/l)	--	--	--	--	--	--
Dibenzofuran (ug/l)	--	--	--	--	--	--
Diethyl phthalate (ug/l)	--	--	--	--	--	--
Dimethyl phthalate (ug/l)	--	--	--	--	--	--
Diphenylamine (ug/l)	--	--	--	--	--	--
Fluoranthene (ug/l)	--	--	--	--	--	--
Fluorene (ug/l)	--	--	--	--	--	--
Hexachlorobenzene (ug/l)	--	--	--	--	--	--
Hexachlorobutadiene (ug/l)	--	--	--	--	--	--
Hexachlorocyclopentadiene (ug/l)	--	--	--	--	--	--
Hexachloroethane (ug/l)	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)	IA09-OMW-45(S)
Sample No	LUGW0231D	LUGW0232	LUGW0233	LUGW0234	LUGW0239	LUGW0238
Collection Date	11/01/2000	11/01/2000	11/05/2000	11/03/2000	11/02/2000	11/04/2000
Duplicate ID	LUGW9211					
Northing	199796	199799	199914	199915	199713	199929
Easting	517506	517506	517179	517182	517306	517521
<i>Semivolatile Organics (continued)</i>						
Isophorone (ug/l)	--	--	--	--	--	--
N-Nitrosodipropylamine (ug/l)	--	--	--	--	--	--
Naphthalene (ug/l)	--	--	--	--	--	--
Nitrobenzene (ug/l)	--	--	--	--	--	--
Pentachlorophenol (ug/l)	--	--	--	--	--	--
Phenanthrene (ug/l)	--	--	--	--	--	--
Phenol (ug/l)	--	--	--	--	--	--
Pyrene (ug/l)	--	--	--	--	--	--
bis(2-chloroethoxy)methane (ug/l)	--	--	--	--	--	--
bis(2-chloroethyl) ether (ug/l)	--	--	--	--	--	--
bis(2-chloroisopropyl)ether (ug/l)	--	--	--	--	--	--
bis(2-ethylhexyl)phthalate (ug/l)	--	--	--	--	--	--
m,p-Cresol (ug/l)	--	--	--	--	--	--
o-Cresol (ug/l)	--	--	--	--	--	--
<i>Volatile Organics</i>						
1,1,1-Trichloroethane (ug/l)	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane (ug/l)	--	--	--	--	--	--
1,1,2-Trichloroethane (ug/l)	--	--	--	--	--	--
1,1-Dichloroethane (ug/l)	--	--	--	--	--	--
1,1-Dichloroethene (ug/l)	--	--	--	--	--	--
1,2-Dichloroethane (ug/l)	--	--	--	--	--	--
1,2-Dichloroethylene (ug/l)	--	--	--	--	--	--
1,2-Dichloropropane (ug/l)	--	--	--	--	--	--
2-Butanone (ug/l)	--	--	--	--	--	--
2-Hexanone (ug/l)	--	--	--	--	--	--
4-Methyl-2-pentanone (ug/l)	--	--	--	--	--	--
Acetone (ug/l)	--	--	--	--	--	--
Benzene (ug/l)	--	--	--	--	--	--
Bromodichloromethane (ug/l)	--	--	--	--	--	--
Bromoform (ug/l)	--	--	--	--	--	--
Bromomethane (ug/l)	--	--	--	--	--	--
Carbon disulfide (ug/l)	--	--	--	--	--	--
Carbon tetrachloride (ug/l)	--	--	--	--	--	--

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)	IA09-OMW-45(S)
Sample No	LUGW0231D	LUGW0232	LUGW0233	LUGW0234	LUGW0239	LUGW0238
Collection Date	11/01/2000	11/01/2000	11/05/2000	11/03/2000	11/02/2000	11/04/2000
Duplicate ID	LUGW9211					
Northing	199796	199799	199914	199915	199713	199929
Easting	517506	517506	517179	517182	517306	517521
<i>Volatile Organics (continued)</i>						
Chlorobenzene (ug/l)	--	--	--	--	--	--
Chloroethane (ug/l)	--	--	--	--	--	--
Chloroform (ug/l)	--	--	--	--	--	--
Chloromethane (ug/l)	--	--	--	--	--	--
Dibromochloromethane (ug/l)	--	--	--	--	--	--
Ethylbenzene (ug/l)	--	--	--	--	--	--
Methylene chloride (ug/l)	--	--	--	--	--	--
Styrene (ug/l)	--	--	--	--	--	--
Tetrachloroethene (ug/l)	--	--	--	--	--	--
Toluene (ug/l)	--	--	--	--	--	--
Trichloroethene (ug/l)	--	--	--	--	--	--
Vinyl chloride (ug/l)	--	--	--	--	--	--
Xylenes (total) (ug/l)	--	--	--	--	--	--
cis-1,3-dichloropropene (ug/l)	--	--	--	--	--	--
trans-1,3-Dichloropropene (ug/l)	--	--	--	--	--	--
<i>Radiological Parameters</i>						
Gross Alpha (pCi/l)	2.04 J	1.69 J	2.79 J	1.52 J	16.2 J	4.18 J
Nonvolatile Beta (pCi/l)	1.98 U	10.8	6.22	2.91 U	30.7	4.37
Radium-226 (pCi/l)	0.67	0 U	0.22 U	0.09 U	1.42	0.4 U
Radium-228 (pCi/l)	0.03 U	0.23 U	0.08 U	0.31 U	0.73 U	0.77 U
Uranium, total (ug/l)	--	--	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>						
Actinium-227 (pCi/l)	9 U	-18.2 U	3.48 U	-11.2 U	1.6 U	-2.25 U
Thorium-228 (pCi/l)	-0.03 U	0.01 U	0.12 U	0.12 U	0.14 U	0.07 U
Thorium-230 (pCi/l)	-0.02 U	0.03 U	0.04 U	0.08 U	0.06 U	0.08 J
Thorium-232 (pCi/l)	0 U	0 U	0 U	-0.01 U	0.04 U	0.01 U
Uranium-233/234 (pCi/l)	0.38	0.02 U	0.58 J	0.77	6.09	2.21
Uranium-235 (pCi/l)	-3.25 U	17.2 U	1.65 U	3.82 U	14.1 U	5.55 U
Uranium-235/236 (pCi/l)	0.01 U	0.01 U	0.12 U	-0.01 U	0.06 U	0.13 U
Uranium-238 (pCi/l)	0.24	0.01 U	0.27 U	0.21 U	4.16	1
<i>Radiological Parameters (GammaSpec)</i>						
Actinium-228 (pCi/l)	1.72 U	7.42 U	3.68 U	5.09 U	6.46 U	5.1 U
Cesium-137 (pCi/l)	4.72	0.4 U	0.84 U	0.76 U	-0.28 U	0.54 U
Cobalt-60 (pCi/l)	0.29 U	0.02 U	-0.14 U	0.15 U	-0.33 U	0.67 U
Potassium-40 (pCi/l)	5.99 U	10.3 U	5 U	27.5 U	3.83 U	11.8 U
Protactinium-231 (pCi/l)	82.4 U	19.2 U	4.87 U	-7.02 U	4.59 U	-30.1 U
Thorium-234 (pCi/l)	47.4 U	2.14 U	10.8 U	162 J	33.4 U	75.6 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-46(S)	IA09-OMW-46(S)	IA09-PW(E)	IA09-PW(W)
Sample No	LUGW0237	LUGW0237D	LUGW0235	LUGW0242
Collection Date	11/05/2000	11/05/2000	11/06/2000	11/06/2000
Duplicate ID	LUGW9212			
Northing	199912	199912	199487	199457
Easting	517175	517175	517225	517142
Metals				
Aluminum (Filtered) (ug/l)	--	--	49.9 B	62.1
Aluminum (ug/l)	--	--	7.6 U	7.6 U
Antimony (Filtered) (ug/l)	--	--	2.24 U	2.24 U
Antimony (ug/l)	--	--	2.24 U	3.11 U
Arsenic (Filtered) (ug/l)	3.23 B	2.65 B	2.65 B	2.46 U
Arsenic (ug/l)	2.46 U	2.46 U	2.46 U	2.46 U
Barium (Filtered) (ug/l)	59.6	450	56.6	36.3
Barium (ug/l)	62.5	60.6	54.6	33.6
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	9.82
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	10.8
Cadmium (Filtered) (ug/l)	--	--	0.36 U	0.36 U
Cadmium (ug/l)	--	--	0.36 U	0.36 U
Calcium (Filtered) (ug/l)	--	--	102000	122000
Calcium (ug/l)	--	--	116000	133000
Chromium (Filtered) (ug/l)	--	--	0.7 U	0.7 U
Chromium (ug/l)	--	--	0.7 U	0.7 U
Cobalt (Filtered) (ug/l)	--	--	0.67 U	2.15 B
Cobalt (ug/l)	--	--	0.67 U	0.94 B
Copper (Filtered) (ug/l)	--	--	1.54 U	1.56 B
Copper (ug/l)	--	--	1.54 U	3.77 B
Iron (Filtered) (ug/l)	--	--	134	27.9 B
Iron (ug/l)	--	--	145	38 B
Lead (Filtered) (ug/l)	2.25 U	2.25 U	2.25 U	3.72 B
Lead (ug/l)	2.25 U	4.18 B	2.25 U	7.64
Magnesium (Filtered) (ug/l)	--	--	51000	72600
Magnesium (ug/l)	--	--	58600	80200
Manganese (Filtered) (ug/l)	--	--	4.62 B	65.4
Manganese (ug/l)	--	--	6.14 B	72
Mercury (Filtered) (ug/l)	--	--	0.05 U	0.05 U
Mercury (ug/l)	--	--	0.05 U	0.05 U
Nickel (Filtered) (ug/l)	--	--	36.5	86.9
Nickel (ug/l)	--	--	36.7	85.2
Phosphorus (Filtered) (ug/l)	--	--	8.91 U	8.91 U
Phosphorus (ug/l)	--	--	8.91 U	8.91 U
Potassium (Filtered) (ug/l)	--	--	4020	7620
Potassium (ug/l)	--	--	3880	7370
Selenium (Filtered) (ug/l)	--	--	2.47 B	2.37 U
Selenium (ug/l)	--	--	2.37 U	2.37 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-46(S)	IA09-OMW-46(S)	IA09-PW(E)	IA09-PW(W)
Sample No	LUGW0237	LUGW0237D	LUGW0235	LUGW0242
Collection Date	11/05/2000	11/05/2000	11/06/2000	11/06/2000
Duplicate ID		LUGW9212		
Northing	199912	199912	199487	199457
Easting	517175	517175	517225	517142
Metals (continued)				
Silver (Filtered) (ug/l)	--	--	1.02 B	1.64 B
Silver (ug/l)	--	--	0.62 U	0.62 U
Sodium (Filtered) (ug/l)	--	--	96200	122000
Sodium (ug/l)	--	--	105000	127000
Thallium (Filtered) (ug/l)	--	--	3.26 U	3.26 U
Thallium (ug/l)	--	--	3.26 U	5.14 B
Vanadium (Filtered) (ug/l)	--	--	0.64 B	0.46 U
Vanadium (ug/l)	--	--	0.46 U	0.46 U
Zinc (Filtered) (ug/l)	--	--	11.7	54.7
Zinc (ug/l)	--	--	18.3	91.1
DRO/GRO				
Diesel Range Organics (ug/l)	--	--	0.01 U	0.02 U
Gasoline Range Organics (ug/l)	--	--	100 U	100 U
Indicator Parameters				
Alkalinity (mg/l)	202	195	495	349
Chloride (mg/l)	--	--	27.9	33.3
Fluoride (mg/l)	0.61	0.85	0.62	1.45
Nitrate/Nitrite (mg/l)	--	--	0.05 U	0.49
Nitrogen, Ammonia (mg/l)	0.04 J	0.1	--	--
Sulfate (mg/l)	--	--	314	429
Total Dissolved Solids (mg/l)	369	373	813	1020
Total Suspended Solids (mg/l)	7.8	8.6	5 U	5 U
Semivolatile Organics				
1,2,4-Trichlorobenzene (ug/l)	--	--	9.8 U	10 U
1,2-Dichlorobenzene (ug/l)	--	--	9.8 U	10 U
1,3-Dichlorobenzene (ug/l)	--	--	9.8 U	10 U
1,4-Dichlorobenzene (ug/l)	--	--	9.8 U	10 U
2,4,5-Trichlorophenol (ug/l)	--	--	24.5 U	25 U
2,4,6-Trichlorophenol (ug/l)	--	--	9.8 U	10 U
2,4-Dichlorophenol (ug/l)	--	--	9.8 U	10 U
2,4-Dimethylphenol (ug/l)	--	--	9.8 U	10 U
2,4-Dinitrophenol (ug/l)	--	--	24.5 U	25 U
2,4-Dinitrotoluene (ug/l)	--	--	9.8 U	10 U
2,6-Dinitrotoluene (ug/l)	--	--	9.8 U	10 U
2-Chloronaphthalene (ug/l)	--	--	9.8 U	10 U
2-Chlorophenol (ug/l)	--	--	9.8 U	10 U
2-Methylnaphthalene (ug/l)	--	--	9.8 U	10 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-46(S)	IA09-OMW-46(S)	IA09-PW(E)	IA09-PW(W)
Sample No	LUGW0237	LUGW0237D	LUGW0235	LUGW0242
Collection Date	11/05/2000	11/05/2000	11/06/2000	11/06/2000
Duplicate ID		LUGW9212		
Northing	199912	199912	199487	199457
Easting	517175	517175	517225	517142
<i>Semivolatile Organics (continued)</i>				
2-Nitroaniline (ug/l)	--	--	24.5 U	25 U
2-Nitrophenol (ug/l)	--	--	9.8 U	10 U
2-methyl-4,6-dinitrophenol (ug/l)	--	--	24.5 U	25 U
3,3'-Dichlorobenzidine (ug/l)	--	--	9.8 U	10 U
3-Nitroaniline (ug/l)	--	--	24.5 U	25 U
4-Bromophenyl phenyl ether (ug/l)	--	--	9.8 U	10 U
4-Chloroaniline (ug/l)	--	--	9.8 U	10 U
4-Chlorophenylphenylether (ug/l)	--	--	9.8 U	10 U
4-Nitroaniline (ug/l)	--	--	24.5 U	25 U
4-Nitrophenol (ug/l)	--	--	24.5 U	25 U
Acenaphthene (ug/l)	--	--	9.8 U	10 U
Acenaphthylene (ug/l)	--	--	9.8 U	10 U
Anthracene (ug/l)	--	--	9.8 U	10 U
Benzo(a)anthracene (ug/l)	--	--	9.8 U	10 U
Benzo(a)pyrene (ug/l)	--	--	9.8 U	10 U
Benzo(b)fluoranthene (ug/l)	--	--	9.8 U	10 U
Benzo(ghi)perylene (ug/l)	--	--	9.8 U	10 U
Benzo(k)fluoranthene (ug/l)	--	--	9.8 U	10 U
Butylbenzylphthalate (ug/l)	--	--	9.8 U	10 U
Carbazole (ug/l)	--	--	9.8 U	10 U
Chrysene (ug/l)	--	--	9.8 U	10 U
Di-n-butylphthalate (ug/l)	--	--	9.8 U	10 U
Di-n-octylphthalate (ug/l)	--	--	9.8 U	10 U
Dibenz(a,h)anthracene (ug/l)	--	--	9.8 U	10 U
Dibenzofuran (ug/l)	--	--	9.8 U	10 U
Diethyl phthalate (ug/l)	--	--	9.8 U	10 U
Dimethyl phthalate (ug/l)	--	--	9.8 U	10 U
Diphenylamine (ug/l)	--	--	9.8 U	10 U
Fluoranthene (ug/l)	--	--	9.8 U	10 U
Fluorene (ug/l)	--	--	9.8 U	10 U
Hexachlorobenzene (ug/l)	--	--	9.8 U	10 U
Hexachlorobutadiene (ug/l)	--	--	9.8 U	10 U
Hexachlorocyclopentadiene (ug/l)	--	--	9.8 U	10 U
Hexachloroethane (ug/l)	--	--	9.8 U	10 U
Indeno(1,2,3-cd)pyrene (ug/l)	--	--	9.8 U	10 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-46(S)	IA09-OMW-46(S)	IA09-PW(E)	IA09-PW(W)
Sample No	LUGW0237	LUGW0237D	LUGW0235	LUGW0242
Collection Date	11/05/2000	11/05/2000	11/06/2000	11/06/2000
Duplicate ID		LUGW9212		
Northing	199912	199912	199487	199457
Easting	517175	517175	517225	517142
<i>Semivolatile Organics (continued)</i>				
Isophorone (ug/l)	--	--	9.8 U	10 U
N-Nitrosodipropylamine (ug/l)	--	--	9.8 U	10 U
Naphthalene (ug/l)	--	--	9.8 U	10 U
Nitrobenzene (ug/l)	--	--	9.8 U	10 U
Pentachlorophenol (ug/l)	--	--	24.5 U	25 U
Phenanthrene (ug/l)	--	--	9.8 U	10 U
Phenol (ug/l)	--	--	9.8 U	10 U
Pyrene (ug/l)	--	--	9.8 U	10 U
bis(2-chloroethoxy)methane (ug/l)	--	--	9.8 U	10 U
bis(2-chloroethyl) ether (ug/l)	--	--	9.8 U	10 U
bis(2-chloroisopropyl)ether (ug/l)	--	--	9.8 U	10 U
bis(2-ethylhexyl)phthalate (ug/l)	--	--	19.9	10 U
m,p-Cresol (ug/l)	--	--	9.8 U	10 U
o-Cresol (ug/l)	--	--	9.8 U	10 U
<i>Volatile Organics</i>				
1,1,1-Trichloroethane (ug/l)	--	--	1 U	1 U
1,1,2,2-Tetrachloroethane (ug/l)	--	--	1 U	1 U
1,1,2-Trichloroethane (ug/l)	--	--	1 U	1 U
1,1-Dichloroethane (ug/l)	--	--	1 U	1 U
1,1-Dichloroethene (ug/l)	--	--	1 U	1 U
1,2-Dichloroethane (ug/l)	--	--	1 U	1 U
1,2-Dichloroethylene (ug/l)	--	--	2 U	2 U
1,2-Dichloropropane (ug/l)	--	--	1 U	1 U
2-Butanone (ug/l)	--	--	5 U	5 U
2-Hexanone (ug/l)	--	--	5 U	5 U
4-Methyl-2-pentanone (ug/l)	--	--	5 U	5 U
Acetone (ug/l)	--	--	3.4 U	3.1 U
Benzene (ug/l)	--	--	1 U	1 U
Bromodichloromethane (ug/l)	--	--	1 U	1 U
Bromoform (ug/l)	--	--	1 U	1 U
Bromomethane (ug/l)	--	--	1 U	1 U
Carbon disulfide (ug/l)	--	--	5 U	5 U
Carbon tetrachloride (ug/l)	--	--	1 U	1 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.6. Groundwater Sampling Results ~ November 2000
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-46(S)	IA09-OMW-46(S)	IA09-PW(E)	IA09-PW(W)
Sample No	LUGW0237	LUGW0237D	LUGW0235	LUGW0242
Collection Date	11/05/2000	11/05/2000	11/06/2000	11/06/2000
Duplicate ID		LUGW9212		
Northing	199912	199912	199487	199457
Easting	517175	517175	517225	517142
<i>Volatile Organics (continued)</i>				
Chlorobenzene (ug/l)	--	--	1 U	1 U
Chloroethane (ug/l)	--	--	1 U	1 U
Chloroform (ug/l)	--	--	1 U	1 U
Chloromethane (ug/l)	--	--	1 U	1 U
Dibromochloromethane (ug/l)	--	--	1 U	1 U
Ethylbenzene (ug/l)	--	--	1 U	1 U
Methylene chloride (ug/l)	--	--	5 U	5 U
Styrene (ug/l)	--	--	1 U	1 U
Tetrachloroethene (ug/l)	--	--	1 U	1 U
Toluene (ug/l)	--	--	1 U	1 U
Trichloroethene (ug/l)	--	--	1 U	1 U
Vinyl chloride (ug/l)	--	--	1 U	1 U
Xylenes (total) (ug/l)	--	--	3 U	3 U
cis-1,3-dichloropropene (ug/l)	--	--	1 U	1 U
trans-1,3-Dichloropropene (ug/l)	--	--	1 U	1 U
<i>Radiological Parameters</i>				
Gross Alpha (pCi/l)	1.24 UJ	1.25 UJ	1.01 UJ	46.7 J
Nonvolatile Beta (pCi/l)	8.11	8.05	5.3	9.85
Radium-226 (pCi/l)	0.55 U	-0.05 U	-0.13 U	0.46 J
Radium-228 (pCi/l)	0.11 U	0.61 U	0.03 U	-0.18 U
Uranium, total (ug/l)	--	--	--	--
<i>Radiological Parameters (AlphaSpec)</i>				
Actinium-227 (pCi/l)	-22.9 U	5.11 U	-2.89 U	-10.5 U
Thorium-228 (pCi/l)	0.1 U	0.08 U	-0.03 U	0.11 J
Thorium-230 (pCi/l)	0.05 J	0.06 J	0.02 U	0.02 U
Thorium-232 (pCi/l)	0.03 U	0 U	0.01 U	-0.01 U
Uranium-233/234 (pCi/l)	0.38	0.3 U	0.21	3.22
Uranium-235 (pCi/l)	1.04 U	-1.67 U	3.24 U	10.6 U
Uranium-235/236 (pCi/l)	0.03 U	0.02 U	0 U	0.07 J
Uranium-238 (pCi/l)	0.19 J	0.2 J	0.14	2.64
<i>Radiological Parameters (GammaSpec)</i>				
Actinium-228 (pCi/l)	6.78 U	4.47 U	7.38 U	0.66 U
Cesium-137 (pCi/l)	0.03 U	-0.36 U	0.88 U	1.37 U
Cobalt-60 (pCi/l)	0.24 U	-0.84 U	0.08 U	-0.41 U
Potassium-40 (pCi/l)	11.2 U	24.9 U	20.7 U	20.1 U
Protactinium-231 (pCi/l)	-7.66 U	5.1 U	51.8 U	-8.59 U
Thorium-234 (pCi/l)	4.89 U	49.2 U	36.8 U	141 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.7. Groundwater Sampling Results ~ Residential Wells and East Production Well ~ April 2001
Lucky Site ~ Lucky, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-GW0003	IA09-PW(E)
Sample No	LUGW0246	LUGW0247	LUGW0248	LUGW0248D	LUGW0245
Collection Date	04/03/2001	04/03/2001	04/03/2001	04/03/2001	04/03/2001
Duplicate ID				LUGW9214	
Northing	199430	199316	200063	200063	199487
Easting	517223	517063	517141	517141	517225
Metals					
Arsenic (ug/l)	2.33 U	2.33 U	2.33 U	2.33 U	2.33 U
Barium (ug/l)	47.7	58.2	34.9	34.5	48
Beryllium (ug/l)	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Lead (ug/l)	2.26 B	2.17 B	2.12 B	2.57 B	1.91 B
Indicator Parameters					
Alkalinity (mg/l)	306	196	172	166	294
Fluoride (mg/l)	0.67	0.41	0.68	0.65	0.67
Total Dissolved Solids (mg/l)	831	437	433	434	849
Total Suspended Solids (mg/l)	5 U	0.8 J	5 U	5 U	5 U
Radiological Parameters					
Gross Alpha (pCi/l)	1.78 U	2.01 U	2.92 U	2.38	0.87 U
Nonvolatile Beta (pCi/l)	10.5	5.79	3.85 U	5.04	10.1
Radium-226 (pCi/l)	0.53 J	0.95	0.49 J	0.82	0.69 J
Radium-228 (pCi/l)	0.16 U	0.51 U	0.6 U	0.38 U	1.04
Radiological Parameters (AlphaSpec)					
Actinium-227 (pCi/l)	13.1 U	-19.1 U	1.08 U	-8.34 U	1.32 U
Thorium-228 (pCi/l)	0.03 U	0.04 U	-0.04 U	0.01 U	-0.01 U
Thorium-230 (pCi/l)	0 U	0.03 U	0.39	0.05 U	0.01 U
Thorium-232 (pCi/l)	0.01 U	0.01 U	0.01 U	0.01 U	0 U
Uranium-233/234 (pCi/l)	0.08 U	0.11 U	0.48 J	0.61	0.17 J
Uranium-235 (pCi/l)	3.09 U	7.77 U	6.77 U	7.04 U	5.52 U
Uranium-235/236 (pCi/l)	0.02 U	0.02 U	-0.02 U	-0.01 U	-0.01 U
Uranium-238 (pCi/l)	0.09 U	0.02 U	0.25 J	0.23 J	0.13 J
Radiological Parameters (GammaSpec)					
Actinium-228 (pCi/l)	9.91 U	7.4 U	6.54 U	2.42 U	9.67 U
Cesium-137 (pCi/l)	-0.05 U	0.41 U	0.08 U	-0.52 U	-0.85 U
Cobalt-60 (pCi/l)	-0.04 U	1.53 U	-0.59 U	0 U	-0.27 U
Potassium-40 (pCi/l)	19.7 U	36 U	0 U	5.95 U	7 U
Protactinium-231 (pCi/l)	21.6 U	12.8 U	8.12 U	-2.48 U	-45 U
Thorium-234 (pCi/l)	101 U	0 U	0 U	115 U	18.9 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-03(I)	IA09-MW-04(S)
Sample No	LUGW0287	LUGW0288	LUGW0289	LUGW0289D	LUGW0249	LUGW0250	LUGW0251	LUGW0252
Collection Date	06/22/2001	06/25/2001	06/25/2001	06/25/2001	06/24/2001	06/24/2001	06/23/2001	06/22/2001
Duplicate ID	LUGW9219							
Northing	199430	199316	200063	200063	199583	199581	199297	199297
Easting	517223	517063	517141	517141	517402	517398	517264	517259
Metals								
Arsenic (Filtered) (ug/l)	4.06 U	2.33 U	4.64 B	2.33 U	2.33 U	2.33 U	4.06 U	4.06 U
Arsenic (ug/l)	4.06 U	2.33 U	3.52 U	3.84 U	2.33 U	2.86 B	4.05 J	3 J
Barium (Filtered) (ug/l)	46.4	58.9	36.4	36.1	33.7	27.5	33.6	46.4
Barium (ug/l)	51.9	58.8	35.7	35.2	36.9	29.7	36.8	47.2
Beryllium (Filtered) (ug/l)	0.19 U	0.16 U	0.16 U	0.16 U	30.7	70.8	0.19 U	0.19 U
Beryllium (ug/l)	0.19 U	0.16 U	0.16 U	0.16 U	32.9	76.2	0.16 U	0.16 U
Lead (Filtered) (ug/l)	1.98 U	1.47 U	1.47 U	1.47 U	1.78 B	4.16	1.98 U	1.98 U
Lead (ug/l)	2.33 B	1.71 B	1.47 U	1.77 B	2.39 B	4.28	2 B	1.47 U
Indicator Parameters								
Alkalinity (mg/l)	277	157	181	149	341	343	208	308
Fluoride (mg/l)	0.55	0.74	0.4	0.69	1.23	2.4	0.33	0.74
Total Dissolved Solids (mg/l)	854	404	424	406	774	952	507	1320
Total Suspended Solids (mg/l)	1.8 J	0.8 J	5 U	5 U	3.6 J	3.2 J	15	2.6 J
Radiological Parameters								
Gross Alpha (pCi/l)	1.9 U	0.81 U	2.48 U	2.04 U	1.06 U	3.93 U	6.83	1.68 U
Nonvolatile Beta (pCi/l)	4.02 U	0.71 U	4.02	2.91 U	7.07	6.64	13.6	5.7
Radium-226 (pCi/l)	0.98 J	0.71 J	0.95 J	0.87	0.93 J	0.9	0.92 B	0.47 U
Radium-228 (pCi/l)	0.38 U	1	-0.12 U	0.54 U	0.41 U	0.84 U	1.34	0.39 U
Uranium, total (ug/l)	0.51	0.2	0.83	0.86	2.77	5.72	1.61 B	1.07 B
Radiological Parameters (AlphaSpec)								
Actinium-227 (pCi/l)	-13.7 U	-12.3 U	17 U	21.7 U	-4.3 U	-12.5 U	22.8 U	2.96 U
Thorium-228 (pCi/l)	0.03 U	0.07 U	0.19 J	0.01 U	0.05 U	0.03 U	0.1 U	0.07 U
Thorium-230 (pCi/l)	0.04 U	0.07 U	0.05 U	0.16	0.1	0.05 J	0.09 J	0.02 U
Thorium-232 (pCi/l)	0.01 U	0 U	0.01 U	-0.01 U	0 U	-0.01 U	0.02 U	-0.01 U
Uranium-233/234 (pCi/l)	0.16 U	0.17 J	0.52	0.5	1.46	2.51	1.08	0.73
Uranium-235 (pCi/l)	5.29 U	10.5 U	14 U	-2.01 U	12.8 U	10.5 U	11.6 U	11.9 U
Uranium-235/236 (pCi/l)	0.01 U	0 U	0.07 U	0.03 U	0.11 J	0.13 U	0.01 U	0.12 U
Uranium-238 (pCi/l)	0.04 U	0.11 J	0.22 U	0.35	0.82	1.94	0.75	0.18 J
Radiological Parameters (GammaSpec)								
Actinium-228 (pCi/l)	5.02 U	2.33 U	1.85 U	4.92 U	7.35 U	5.18 U	0.47 U	8.49 U
Cesium-137 (pCi/l)	-0.76 U	-1.41 U	-0.18 U	-0.66 U	0.41 U	0 U	0.6 U	1.15 U
Cobalt-60 (pCi/l)	0.25 U	1.86 U	1.1 U	0.78 U	0.03 U	0.27 U	0.18 U	-1.85 U
Potassium-40 (pCi/l)	34 U	22 U	25.4 U	17.7 U	6.38 U	38.5 J	38.4 U	13 U
Protactinium-231 (pCi/l)	-3.09 U	-45.7 U	37.5 U	-70.8 U	8.5 U	19.2 U	54.6 U	0 U
Thorium-234 (pCi/l)	0 U	0 U	91.7 U	77.3 U	107 U	118 U	179 U	13.5 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-05(I)	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-13(S)	IA09-MW-14(S)	IA09-MW-17(S)
Sample No	LUGW0253	LUGW0254	LUGW0255	LUGW0256	LUGW0257	LUGW0258	LUGW0259
Collection Date	06/20/2001	06/20/2001	06/20/2001	06/20/2001	06/21/2001	06/23/2001	06/22/2001
Duplicate ID							
Northing	199438	199433	199545	199541	199587	199340	199444
Easting	517608	517609	517592	517594	517533	517255	517557
Metals							
Arsenic (Filtered) (ug/l)	4.06 U	4.06 U	4.06 U	4.06 U	11	4.06 U	4.18 B
Arsenic (ug/l)	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U	2.33 U	4.06 U
Barium (Filtered) (ug/l)	25.7	40.5	32.1	33.7	22.5	17.2	14.5
Barium (ug/l)	26.3	44.7	32.4	34.9	32.9	42.7	15.6
Beryllium (Filtered) (ug/l)	0.19 U	0.19 U	0.19 U	0.19 U	0.28 B	0.19 U	0.19 U
Beryllium (ug/l)	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 B	0.19 U
Lead (Filtered) (ug/l)	2.62 B	1.98 U	1.98 U	1.98 U	1.98 U	3.96 U	1.98 U
Lead (ug/l)	2.21 B	1.98 U	1.98 U	1.98 U	1.98 U	8.57	1.98 U
Indicator Parameters							
Alkalinity (mg/l)	268	247	309	317	302	620	349
Fluoride (mg/l)	0.14	0.42	0.09	0.23	0.04 J	0.25	1.2
Total Dissolved Solids (mg/l)	865	825	634	1260	2900	4810	1610
Total Suspended Solids (mg/l)	1.4 J	0.8 J	2.6 J	7.2	807	295	12.4
Radiological Parameters							
Gross Alpha (pCi/l)	1.89 U	1.31 U	4.72	0.44 U	60.5	7.97 U	2.01 U
Nonvolatile Beta (pCi/l)	15.2	25.2	7.49	1.96 U	89.2	17.5	6.16
Radium-226 (pCi/l)	0.86	0.37 U	0.83 J	0.84 J	0.93	1.09 B	0.89
Radium-228 (pCi/l)	1.44	0.97 U	0.41 U	1.14 U	1.63	1.1	0.68 U
Uranium, total (ug/l)	2.95	2.7	2.24	2.39	25.3	5.8 B	1.29
Radiological Parameters (AlphaSpec)							
Actinium-227 (pCi/l)	12.3 U	-16.1 U	-3.58 U	-22.6 U	5.71 U	12.4 U	-4.37 U
Thorium-228 (pCi/l)	0.04 U	-0.07 U	0.01 U	0.01 U	-0.02 U	0.07 U	0.11 U
Thorium-230 (pCi/l)	0.02 U	0.01 U	0.05 U	0.14 J	0.1 U	0.06 U	0.09 J
Thorium-232 (pCi/l)	0.01 U	0.03 U	0 U	0 U	0.01 U	0.01 U	0.01 U
Uranium-233/234 (pCi/l)	1.35	1.36	1.1	1.21	11.2	2.89	0.58
Uranium-235 (pCi/l)	6.54 U	16.1 U	2.9 U	-0.59 U	2.7 U	15.3 U	7.76 U
Uranium-235/236 (pCi/l)	0.11 U	0.06 U	0.11 U	0.15 U	0.57	0.29	0.07 U
Uranium-238 (pCi/l)	0.77 B	0.94 B	0.79 B	0.61 B	7.97 B	2.04	0.34 B
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	1.1 U	5.09 U	4.39 U	7.93 U	0 U	11.9 U	2.17 U
Cesium-137 (pCi/l)	-0.77 U	1.27 U	1.46 U	0.92 U	0.83 U	1.3 U	0.59 U
Cobalt-60 (pCi/l)	0.32 U	2.5 U	-0.47 U	1.65 U	0.29 U	-1 U	1.68 U
Potassium-40 (pCi/l)	24.1 U	25.1 U	9.5 U	17.4 U	38.8 U	41.7 U	47.2 U
Protactinium-231 (pCi/l)	21.2 U	2.66 U	-91.1 U	-67.5 U	-14.1 U	63.7 U	5.32 U
Thorium-234 (pCi/l)	201 U	0 U	0 U	-29.8 U	56.8 U	55.2 U	0 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-18(I)	IA09-MW-19(I)	IA09-MW-21(I)	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-23(S)	IA09-MW-24(S)
Sample No	LUGW0260	LUGW0261	LUGW0263	LUGW0263D	LUGW0264	LUGW0265	LUGW0266
Collection Date	06/20/2001	06/20/2001	06/23/2001	06/23/2001	06/24/2001	06/25/2001	06/24/2001
Duplicate ID				LUGW9217			
Northing	199522	199585	199496	199496	199583	199291	199349
Easting	517165	517538	517367	517367	517473	517477	517339
Metals							
Arsenic (Filtered) (ug/l)	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U	2.7 B	4.72 B
Arsenic (ug/l)	4.06 U	4.06 U	2.41 B	2.33 U	2.58 J	2.33 U	2.33 U
Barium (Filtered) (ug/l)	47.1	33.9	13.1	12.6	27.8	40.4	11.3
Barium (ug/l)	48	35.8	13.2	13.2	29.6	42.7	11.6
Beryllium (Filtered) (ug/l)	0.19 U	2.59	0.19 U	0.19 U	0.19 U	0.16 U	0.19 U
Beryllium (ug/l)	0.19 U	4.47	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Lead (Filtered) (ug/l)	1.98 U	1.98 U	44.6	40.1	1.98 U	1.47 U	5.56
Lead (ug/l)	2.9 B	1.98 U	48.5	47.9	3.44	3.81	15.3
Indicator Parameters							
Alkalinity (mg/l)	266	310	482	492	331	353	630
Fluoride (mg/l)	0.31	0.36	0.65	0.68	1.21	0.63	2.83
Total Dissolved Solids (mg/l)	656	748	2800	2750	711	1130	2870
Total Suspended Solids (mg/l)	1.8 J	3 J	1.2 J	1.6 J	1.2 J	10.8	1.4 J
Radiological Parameters							
Gross Alpha (pCi/l)	2.37	0.97 U	16.8	27.1	1.62 J	0.91 U	188
Nonvolatile Beta (pCi/l)	4.71	2.3	26.7	20.8	6.59	2.9 U	102
Radium-226 (pCi/l)	0.82 J	0.74 J	0.89 B	0.46 J	1.02 B	0.86 J	0.16 U
Radium-228 (pCi/l)	2.34	1.49	0.51 U	0.81 U	0.96	0.1 U	0.41 U
Uranium, total (ug/l)	0.66	0.66	34.5 B	37 B	0.97 B	4.81	345 B
Radiological Parameters (AlphaSpec)							
Actinium-227 (pCi/l)	7.21 U	-18.6 U	-18.4 U	-24.8 U	-12.4 U	6.7 U	2.4 U
Thorium-228 (pCi/l)	-0.03 U	0.03 U	0.01 U	0.12 U	0.06 U	0.02 U	0.01 U
Thorium-230 (pCi/l)	0.1 J	0.07 U	0.15	0.1	0.09 U	0.1 J	0.05 U
Thorium-232 (pCi/l)	0.01 U	0.04 U	0.01 U	0.01 U	0.02	0 U	0 U
Uranium-233/234 (pCi/l)	0.57	0.35 J	11.4	11.4	0.34	2.03	110
Uranium-235 (pCi/l)	6.03 U	2.36 U	-2.39 U	3.35 U	9.9 U	12.8 U	0 U
Uranium-235/236 (pCi/l)	0.03 U	0 U	0.7	0.7	0.07 U	0.17 J	6.59
Uranium-238 (pCi/l)	0.21 J	0.15 J	11.5	9.54	0.45	1.72	109
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	11.8 U	4.97 U	11.4 U	3.5 U	7 U	1.59 U	12.3 U
Cesium-137 (pCi/l)	-0.48 U	-0.83 U	2.37 U	1.7 U	-0.8 U	-2.58 U	0.16 U
Cobalt-60 (pCi/l)	-0.17 U	0.35 U	-0.02 U	1.51 U	-0.83 U	0.71 U	-0.07 U
Potassium-40 (pCi/l)	20.7 U	30.6 U	46.3 U	17.4 U	3.87 U	29.6 U	6.99 U
Protactinium-231 (pCi/l)	-80.8 U	61.8 U	7.48 U	-1.67 U	-96.9 U	24.4 U	-30.6 U
Thorium-234 (pCi/l)	22.4 U	0.51 U	0 U	105 U	0 U	0 U	60.5 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-26(S)	IA09-MW-39(B)	IA09-MW-40(B)	IA09-MW-41(B)	IA09-OMW-27(I)
Sample No	LUGW0266D	LUGW0267	LUGW0268	LUGW0281	LUGW0282	LUGW0283	LUGW0269
Collection Date	06/24/2001	06/23/2001	06/24/2001	06/24/2001	06/24/2001	06/25/2001	06/21/2001
Duplicate ID	LUGW9218						
Northing	199349	199583	199584	199587	199290	199293	199593
Easting	517339	517256	517458	517402	517362	517360	517330
Metals							
Arsenic (Filtered) (ug/l)	5.42	4.06 U	4.06 U	5.88	2.33 U	2.33 U	4.06 U
Arsenic (ug/l)	3.59 J	2.33 U	7.54 J	2.33 U	3.47 B	2.33 U	4.06 U
Barium (Filtered) (ug/l)	10.4	90.7	12.6	97	28.6	34.9	53.1
Barium (ug/l)	12.1	94.7	93.9	145	30	35.2	55.1
Beryllium (Filtered) (ug/l)	0.19 U	0.19 U	137	0.16 U	0.16 U	0.16 U	0.19 U
Beryllium (ug/l)	0.16 U	0.16 U	170	0.16 U	0.16 U	0.16 U	0.19 U
Lead (Filtered) (ug/l)	6.68	1.98 U	1.98 U	1.47 U	2.96 B	2.03 B	2.05 B
Lead (ug/l)	18.5	2.29 B	16.7	3.42	6.91	1.99 B	1.98 U
Indicator Parameters							
Alkalinity (mg/l)	602	284	382	287	359	180	287
Fluoride (mg/l)	2.88	0.4	4.22	0.24	0.47	0.55	0.2
Total Dissolved Solids (mg/l)	2850	616	1260	369	1040	434	765
Total Suspended Solids (mg/l)	5 U	5 U	860	15.4	2.4 J	5 U	1.8 J
Radiological Parameters							
Gross Alpha (pCi/l)	203	1.95 U	39.5	1.49 U	2.66	0.95 U	2.89 U
Nonvolatile Beta (pCi/l)	111	8.19	57.8	1.18 U	3.99 B	10.5	6.25
Radium-226 (pCi/l)	0.48 U	1.28 B	0.51 J	1	0.95	0.95 J	0.9
Radium-228 (pCi/l)	0.34 U	0.51 U	1.24	0.6 U	1.05 U	0.73 U	2.02
Uranium, total (ug/l)	352 B	1.1 B	11.5 B	0.11	1.08	0.65	2.09
Radiological Parameters (AlphaSpec)							
Actinium-227 (pCi/l)	-6.28 U	-3.35 U	-5.54 U	-9.45 U	-7.23 U	-20.2 U	-10.1 U
Thorium-228 (pCi/l)	0.03 U	-0.01 U	0.22	0.05 U	0.01 U	0.05 U	-0.1 U
Thorium-230 (pCi/l)	0.05 J	0.11	0.32	0.02 U	0.07 U	0.04 U	0.08 U
Thorium-232 (pCi/l)	0 U	0.01 U	0.05 U	0.01 U	-0.01 U	0 U	0 U
Uranium-233/234 (pCi/l)	110	0.49	4.43	0.09 U	0.93	0.24	1.34
Uranium-235 (pCi/l)	4.15 U	1.6 U	0.22 U	3.9 U	10.2 U	5.52 U	0.78 U
Uranium-235/236 (pCi/l)	5.91	0.05 U	0.16 J	0 U	0.08 U	0.02 U	0.09 U
Uranium-238 (pCi/l)	108	0.26	4	0.01 U	0.21 J	0.04 U	0.77 B
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	0 U	6.68 U	15.2 U	5.38 U	4.35 U	6.51 U	12 U
Cesium-137 (pCi/l)	-0.4 U	0 U	0.28 U	0.63 U	0 U	0.46 U	0.07 U
Cobalt-60 (pCi/l)	0.88 U	1.09 U	-0.46 U	-0.18 U	0.68 U	-0.05 U	4.11 U
Potassium-40 (pCi/l)	18.4 U	4.21 U	35 U	26.6 U	0 U	48 J	33.3 U
Protactinium-231 (pCi/l)	-4.5 U	-1.75 U	-50.1 U	8.71 U	13.9 U	37.7 U	-17.7 U
Thorium-234 (pCi/l)	4.46 U	7.79 U	1.22 U	73.5 U	29.3 U	0 U	10.3 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)	IA09-OMW-34(B)
Sample No	LUGW0270	LUGW0271	LUGW0272	LUGW0273	LUGW0274	LUGW0275	LUGW0276
Collection Date	06/23/2001	06/21/2001	06/21/2001	06/21/2001	06/21/2001	06/25/2001	06/23/2001
Duplicate ID							
Northing	199593	199684	199687	199712	199712	199801	199801
Easting	517327	517109	517109	517305	517308	517203	517206
Metals							
Arsenic (Filtered) (ug/l)	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U	2.33 U	2.33 U
Arsenic (ug/l)	2.33 U	4.06 U	5.71	4.06 U	4.06 U	4.77 U	2.33 U
Barium (Filtered) (ug/l)	69.4	106	94.6	86.7	96.7	75.2	305
Barium (ug/l)	75.3	126	106	107	113	75.1	266
Beryllium (Filtered) (ug/l)	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.16 U	0.16 U
Beryllium (ug/l)	0.16 U	0.19 U	0.19 U	0.19 U	0.19 U	0.16 U	0.16 U
Lead (Filtered) (ug/l)	2.47 B	1.98 U	1.98 U	1.98 U	1.98 U	1.47 U	2.36 B
Lead (ug/l)	1.47 U	1.98 U	1.98 U	1.98 U	1.98 U	1.47 U	5.68
Indicator Parameters							
Alkalinity (mg/l)	343	206	194	217	226	197	--
Fluoride (mg/l)	0.25	0.27	0.43	0.3	0.27	0.39	--
Total Dissolved Solids (mg/l)	841	392	380	435	392	430	--
Total Suspended Solids (mg/l)	4 J	6.2	2.2 J	5.6	8.8	1.4 J	--
Radiological Parameters							
Gross Alpha (pCi/l)	0.31 U	0.86 U	2.06	1.97 J	3.16 U	1.43 U	3.49 U
Nonvolatile Beta (pCi/l)	2.61 U	3.05	3.33	3.96	4.45	3.04 U	21.8
Radium-226 (pCi/l)	1.08 B	0.65 J	0.66 J	0.71 J	0.8	0.95	1.23
Radium-228 (pCi/l)	0.61 U	1.08 U	1.33	0.79 U	1.1 U	1.24	1.73
Uranium, total (ug/l)	0.43 B	0.44	0.68	0.72	0 U	0.25	0.08 U
Radiological Parameters (AlphaSpec)							
Actinium-227 (pCi/l)	17.5 U	-15 U	0.29 U	-17.9 U	9.11 U	11.9 U	2.27 U
Thorium-228 (pCi/l)	0.02 U	0 U	0.03 U	0.12 U	0.04 U	0.02 U	0.03 U
Thorium-230 (pCi/l)	0.13	0.03 U	0.02 U	0.1 J	0.01 U	0.09 J	0.12 U
Thorium-232 (pCi/l)	-0.01 U	-0.08 U	0.02 U	0 U	-0.01 U	0.01 U	-0.02 U
Uranium-233/234 (pCi/l)	0.32	0.22 J	0.24 J	0.24 U	0.06 U	0.27 J	0.06 U
Uranium-235 (pCi/l)	5.13 U	11.5 U	18.6 U	9.82 U	9.63 U	5.34 U	6.91 U
Uranium-235/236 (pCi/l)	0.09 U	0.02 U	0 U	0.08 U	-0.06 U	0.08 U	0 U
Uranium-238 (pCi/l)	0.13 U	0.09 U	0.14 U	0.12 U	0 U	0.04 U	0.05 U
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	10 U	2.58 U	9.58 U	4.36 U	0 U	8.89 U	10.2 U
Cesium-137 (pCi/l)	-0.6 U	0.01 U	0.21 U	-1.24 U	-0.94 U	-0.21 U	0.96 U
Cobalt-60 (pCi/l)	1.3 U	0.33 U	-0.57 U	1.78 U	0.25 U	0.17 U	-1.66 U
Potassium-40 (pCi/l)	26.5 U	12.3 U	54 U	12.3 U	19.4 U	51.4 U	0 U
Protactinium-231 (pCi/l)	11.8 U	13.9 U	21.5 U	1.68 U	53.2 U	28.4 U	-41.1 U
Thorium-234 (pCi/l)	0 U	28.3 U	0 U	107 U	26.9 U	0 U	173 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-44(S)
Sample No	LUGW0277	LUGW0278	LUGW0280D	LUGW0279	LUGW0279D	LUGW0280	LUGW0284
Collection Date	06/21/2001	06/21/2001	06/22/2001	06/22/2001	06/22/2001	06/22/2001	06/24/2001
Duplicate ID			LUGW9216		LUGW9215		
Northing	199796	199799	199799	199914	199914	199915	199713
Easting	517506	517506	517506	517179	517179	517182	517306
Metals							
Arsenic (Filtered) (ug/l)	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U	4.06 U
Arsenic (ug/l)	4.06 U	4.06 U	2.33 U	3.55 U	2.33 U	2.33 U	2.33 U
Barium (Filtered) (ug/l)	133	58.5	324	69.2	69.4	539	61.9
Barium (ug/l)	145	101	88.8	72.2	73.3	89.9	79.1
Beryllium (Filtered) (ug/l)	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Beryllium (ug/l)	0.19 U	0.19 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Lead (Filtered) (ug/l)	1.98 U	1.98 U	1.98 U	1.98 U	2.04 B	1.98 U	1.98 U
Lead (ug/l)	1.98 U	1.98 U	1.74 B	1.47 U	3.64	1.83 B	2.35 B
Indicator Parameters							
Alkalinity (mg/l)	248	40	187	182	195	182	105
Fluoride (mg/l)	0.11	0.04 J	0.63	0.7	0.68	0.6	0.47
Total Dissolved Solids (mg/l)	494	122	433	424	402	445	901
Total Suspended Solids (mg/l)	5.6	64.8	0.8 J	6.6	8	5 U	56.2
Radiological Parameters							
Gross Alpha (pCi/l)	0.36 U	3.09	3.11	6.34	4.67	3.08 J	6.75
Nonvolatile Beta (pCi/l)	2.74	9.39	3.55	6.01	5.78	2.39 U	31.4
Radium-226 (pCi/l)	0.71 J	0.93 J	0.64 J	0.85 B	0.5 U	0.71 J	0.37 U
Radium-228 (pCi/l)	0.89 U	1.11	0.83 U	0.95 U	1.5	0.67 U	1.21
Uranium, total (ug/l)	0.54	0 U	0.67 B	0.53 B	0.52 B	0.68 B	5.11 B
Radiological Parameters (AlphaSpec)							
Actinium-227 (pCi/l)	5.08 U	7.57 U	19.2 U	-1.58 U	0 U	14.7 U	-20.9 U
Thorium-228 (pCi/l)	-0.04 U	-0.06 U	0.04 U	0.07 U	0.05 U	-0.01 U	0.04 U
Thorium-230 (pCi/l)	0.07 U	0.05 U	0.01 U	0.06 U	0.01 U	0.03 U	0.05 U
Thorium-232 (pCi/l)	-0.01 U	-0.01 U	-0.01 U	0.03 U	0 U	-0.01 U	0.03 U
Uranium-233/234 (pCi/l)	0.54	0 U	0.44	0.41	0.26	0.31	2.76
Uranium-235 (pCi/l)	0.25 U	-2.56 U	11 U	7.64 U	5.66 U	5.76 U	9.49 U
Uranium-235/236 (pCi/l)	0.01 U	0.02 U	0.06 U	0.01 U	0.05	0.01 U	0.18 J
Uranium-238 (pCi/l)	0.23 J	0.04 U	0.25 J	0.12 U	0.17 J	0.2	1.82
Radiological Parameters (GammaSpec)							
Actinium-228 (pCi/l)	8.12 U	1.59 U	1.78 U	-0.01 U	2.56 U	9.47 U	8.45 U
Cesium-137 (pCi/l)	0.32 U	-0.64 U	0.64 U	0.83 U	-0.44 U	0.83 U	2.15 U
Cobalt-60 (pCi/l)	0.51 U	0.3 U	0.88 U	0.7 U	-0.01 U	0.55 U	0.47 U
Potassium-40 (pCi/l)	27.7 U	11.9 U	14.5 U	6.52 U	3.79 U	30 U	10.3 U
Protactinium-231 (pCi/l)	20.4 U	-58.8 U	-62 U	-34.4 U	40.1 U	-66.3 U	10.8 U
Thorium-234 (pCi/l)	129 U	30.9 U	22.2 U	40.7 U	65.7 U	14.8 U	20.5 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.8. Groundwater Sampling Results ~ June 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-45(S)	IA09-OMW-46(S)	IA09-PW(E)
Sample No	LUGW0285	LUGW0286	LUGW0290
Collection Date	06/26/2001	06/22/2001	06/22/2001
Duplicate ID			
Northing	199929	199912	199487
Easting	517521	517175	517225
Metals			
Arsenic (Filtered) (ug/l)	2.33 U	4.06 U	4.06 U
Arsenic (ug/l)	4.72 U	4.06 U	4.06 U
Barium (Filtered) (ug/l)	735	117	46.5
Barium (ug/l)	727	139	49.4
Beryllium (Filtered) (ug/l)	0.16 U	0.19 U	0.19 U
Beryllium (ug/l)	0.16 U	0.19 U	0.19 U
Lead (Filtered) (ug/l)	3.07	1.98 U	1.98 U
Lead (ug/l)	1.47 U	1.98 U	1.98 U
Indicator Parameters			
Alkalinity (mg/l)	463	160	273
Fluoride (mg/l)	0.67	0.51	0.5
Total Dissolved Solids (mg/l)	909	364	824
Total Suspended Solids (mg/l)	7.8	4.8 J	5 U
Radiological Parameters			
Gross Alpha (pCi/l)	0.32 U	0.91 U	0.8 U
Nonvolatile Beta (pCi/l)	14.3	8.63	2.16 U
Radium-226 (pCi/l)	0.9 J	0.76	0.97
Radium-228 (pCi/l)	2.12	1.93	0.59 U
Uranium, total (ug/l)	0.03 U	2.87	0.47
Radiological Parameters (AlphaSpec)			
Actinium-227 (pCi/l)	4.04 U	1.61 U	-22.8 U
Thorium-228 (pCi/l)	0.02 U	0.01 U	-0.02 U
Thorium-230 (pCi/l)	0.13 J	0.13	0.16 J
Thorium-232 (pCi/l)	-0.01 U	-0.01 U	-0.01 U
Uranium-233/234 (pCi/l)	0 U	0.18 J	0.24 J
Uranium-235 (pCi/l)	13 U	7.42 U	17.8 U
Uranium-235/236 (pCi/l)	-0.01 U	0.01 U	0.05 U
Uranium-238 (pCi/l)	0.02 U	0.07 U	0.27 J
Radiological Parameters (GammaSpec)			
Actinium-228 (pCi/l)	0.42 U	6.45 U	9.51 U
Cesium-137 (pCi/l)	1.15 U	-0.29 U	-1.96 U
Cobalt-60 (pCi/l)	-0.78 U	0.82 U	2.04 U
Potassium-40 (pCi/l)	22.8 U	37.7 U	30.6 U
Protactinium-231 (pCi/l)	-16.8 U	-6.68 U	16.8 U
Thorium-234 (pCi/l)	118 U	79.8 U	52.7 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0001	IA09-GW0002	IA09-GW0002	IA09-GW0003	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-02(S)
Sample No	LUGW0329	LUGW0329D	LUGW0330	LUGW0314D	LUGW0331	LUGW0291	LUGW0292	LUGW0292D
Collection Date	11/08/2001	11/08/2001	11/08/2001	11/07/2001	11/08/2001	11/13/2001	11/12/2001	11/12/2001
Duplicate ID		LUGW9223		LUGW9220				LUGW9224
Northing	199430	199430	199316	199316	200063	199583	199581	199581
Easting	517223	517223	517063	517063	517141	517402	517398	517398
Metals								
Arsenic (Filtered) (ug/l)	2.6 U	3.69 B	2.6 U	3.31 U	2.6 U	11.2 J	10.8 J	8.51 J
Arsenic (ug/l)	2.6 U	2.6 U	2.6 U	3.31 U	2.6 U	4.52 B	2.6 U	4.59 B
Barium (Filtered) (ug/l)	49.6	49.8	59.4	107	36.4	38.2	27.5	27.8
Barium (ug/l)	52.2	51.8	62.6	115	38.5	40.6 J	28.9 J	28.9 J
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.3 U	0.21 U	32.7	35.1	36.8
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.3 U	0.21 U	35.6	39.3	39.5
Lead (Filtered) (ug/l)	2.43 U	2.43 U	2.43 U	1.66 U	2.43 U	2.43 U	2.43 U	2.43 U
Lead (ug/l)	2.43 U	2.43 U	2.43 U	1.66 U	2.43 U	2.43 U	2.94 B	2.43 U
Indicator Parameters								
Alkalinity (mg/l)	309	293	179	217	189	383	357	354
Fluoride (mg/l)	0.11 J	0.1 J	0.05 UJ	0.39	0.07 J	0.69	1.14	1.77
Total Dissolved Solids (mg/l)	862	837	412	386	395	768	884	877
Total Suspended Solids (mg/l)	0.5 J	0.5 J	2.94 U	3.9	0.8 J	3.7	1.4 J	1.4 J
Radiological Parameters								
Gross Alpha (pCi/l)	2.79 UJ	1.44 UJ	3.85 J	1.82 U	2.22 UJ	4.39	4.79	3.45 U
Nonvolatile Beta (pCi/l)	6.14	4.07 U	1.31 U	2.85 U	2.25 U	4.64	3.53	3.03
Radium-226 (pCi/l)	0.61 J	0.64 J	1.42 J	0.72	1.33 J	0.64	0.92	0.36 J
Radium-228 (pCi/l)	-0.04 U	0.66 U	0.33 U	0.53 U	0.4 U	-0.12 U	0.02 U	-0.41 U
Uranium, total (ug/l)	0.52 U	0.52 U	0.31 U	0.66 U	0.8 U	2.87	4.59	4.19
Radiological Parameters (AlphaSpec)								
Thorium-228 (pCi/l)	-0.06 U	0.12	0.09 U	0.36	0.11 U	0.44 J	0.09 U	0.07 U
Thorium-230 (pCi/l)	0.44	0.18	0.12 U	0.4	0.14	0.43 U	0.05 U	0.42 U
Thorium-232 (pCi/l)	0.04	0 U	0 U	0.05 U	0.01 U	0.04 U	-0.02 U	-0.02 U
Uranium-233/234 (pCi/l)	0.1 U	0.16 U	0.17 U	0.38	0.3 U	1.51	2.1	1.74
Uranium-235/236 (pCi/l)	0 U	0.2 U	-0.01 U	0 U	0.07 U	0.07 U	0.12 U	0.05 U
Uranium-238 (pCi/l)	0.14 U	0.23 U	0.12	0.14 J	0.37	1.11 J	1.39 J	1.31 J
Radiological Parameters (GammaSpec)								
Actinium-227 (pCi/l)	-26.4 U	-4.78 U	10.2 U	-16.6 U	0.05 U	15.2 U	3.26 U	-21.1 U
Actinium-228 (pCi/l)	14.6 U	14.6 U	8.02 U	11.9 U	6.79 U	2.76 U	3.71 U	11.9 U
Cesium-137 (pCi/l)	-1.16 U	0.46 U	-1.06 U	0.04 U	0.86 U	0.23 U	2.31 U	-2.71 U
Cobalt-60 (pCi/l)	-0.32 U	-0.13 U	-0.5 U	-0.61 U	0.06 U	2.23 U	0.57 U	1.53 U
Potassium-40 (pCi/l)	48 U	65.7 U	55.2 U	14.6 U	45.3 U	33.8 U	24.2 U	0 U
Protactinium-231 (pCi/l)	-48.8 U	57.5 U	33.1 U	56.9 U	-29.8 U	49 U	20.3 U	55.9 U
Thorium-234 (pCi/l)	173	44.3 U	0.19 U	0 U	92 U	107 U	194 U	115 U
Uranium-235 (pCi/l)	11.5 U	13.4 U	22.3 U	13.7 U	7.28 U	11.8 U	17.1 U	6.23 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-03(I)	IA09-MW-04(S)	IA09-MW-05(I)	IA09-MW-06(S)	IA09-MW-07(I)	IA09-MW-08(S)	IA09-MW-13(S)
Sample No	LUGW0293	LUGW0294	LUGW0295	LUGW0296	LUGW0297	LUGW0298	LUGW0299
Collection Date	11/09/2001	11/09/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001	11/13/2001
Duplicate ID							
Northing	199297	199297	199438	199433	199545	199541	199587
Easting	517264	517259	517608	517609	517592	517594	517533
Metals							
Arsenic (Filtered) (ug/l)	2.6 U	3.29 B	8.17 J	7.53 J	7.84 J	12.2 J	7.79 J
Arsenic (ug/l)	2.6 U	2.6 U	2.6 U	3.09 B	2.6 U	4.85 B	4.13 B
Barium (Filtered) (ug/l)	35	49.7	29.3	44.1	32.9	34.6	20
Barium (ug/l)	38.9	53.8	30.6 J	47.3 J	34.8 J	36.1 J	60.6 J
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.67 B
Lead (Filtered) (ug/l)	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U
Lead (ug/l)	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U	6.64
Indicator Parameters							
Alkalinity (mg/l)	204	281	296	275	311	354	288
Fluoride (mg/l)	0.37	0.57	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Total Dissolved Solids (mg/l)	431	1620	859	798	619	1260	2810
Total Suspended Solids (mg/l)	6.1	6.8	0.9 J	1 J	6.4	6	19.7
Radiological Parameters							
Gross Alpha (pCi/l)	4.11 J	2.29 J	1.09 U	0.29 U	4.72	2.85 U	27.5
Nonvolatile Beta (pCi/l)	10	5.33	7.28	18.4	4.59	1.72 U	-0.34 UJ
Radium-226 (pCi/l)	0.86 J	0.89 J	0.44 J	1.07	1.72	0.35 U	0.58
Radium-228 (pCi/l)	1.11 J	0.77 U	0.76 U	-0.33 U	0.21 U	0.68 U	0.92 U
Uranium, total (ug/l)	1.05 U	0.79 U	2.59	2.51	2.07	2.63	22.5
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.04 U	0.2 J	0.19 U	0.38	0.1 U	0.11 U	0.01 U
Thorium-230 (pCi/l)	0.24 J	0.15 J	0.27 U	0.25 U	0.3 U	0.39 U	0.05 U
Thorium-232 (pCi/l)	0.01 U	0.01 U	0.03 U	0.01 U	0.02 U	0.02 U	0.03 U
Uranium-233/234 (pCi/l)	0.55 U	0.5 U	0.96	0.97	0.94	1.66	11.3
Uranium-235/236 (pCi/l)	0.02 U	0.08 U	0.11 U	0.19 J	0.12 U	0.11 U	1.05
Uranium-238 (pCi/l)	0.26 U	0.14 J	1.01 J	0.71 J	0.91 J	1.16 J	7.16 J
Radiological Parameters (GammaSpec)							
Actinium-227 (pCi/l)	4.98 U	-3.63 U	3.39 U	5.83 U	-7.41 U	-29 U	-15.1 U
Actinium-228 (pCi/l)	6.4 U	7.99 U	1.16 U	16.2 U	13.3 U	0.07 U	0.36 U
Cesium-137 (pCi/l)	-0.46 U	-0.26 U	-1.27 U	-0.22 U	1.7 U	0.9 U	-1.73 U
Cobalt-60 (pCi/l)	0.94 U	0.17 U	2.28 U	1.57 U	0.99 U	-0.09 U	0.18 U
Potassium-40 (pCi/l)	12.5 U	21.2 U	0 U	2.77 U	0 U	58.3 U	0 U
Protactinium-231 (pCi/l)	-58.1 U	9.45 U	21 U	-25.7 U	18.8 U	26.4 U	-33.9 U
Thorium-234 (pCi/l)	54 U	33 U	233	105 U	348	162 U	9.46 U
Uranium-235 (pCi/l)	-1.28 U	5.16 U	17 U	8.43 U	6.52 U	12.8 U	4.98 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-14(S)	IA09-MW-17(S)	IA09-MW-18(I)	IA09-MW-19(I)	IA09-MW-21(I)	IA09-MW-22(I)	IA09-MW-23(S)
Sample No	LUGW0300	LUGW0301	LUGW0302	LUGW0303	LUGW0305	LUGW0306	LUGW0307
Collection Date	11/06/2001	11/09/2001	11/09/2001	11/13/2001	11/08/2001	11/08/2001	11/14/2001
Duplicate ID							
Northing	199340	199444	199522	199585	199496	199583	199291
Easting	517255	517557	517165	517538	517367	517473	517477
Metals							
Arsenic (Filtered) (ug/l)	8.62 J	5.62	4.84 B	9.57 J	4.44 B	2.91 B	2.69 B
Arsenic (ug/l)	16.6	2.6 U	2.6 U	4.76 B	2.6 U	2.6 U	2.6 U
Barium (Filtered) (ug/l)	17.7	14	47.9	37.2	12.8	31.3	35 J
Barium (ug/l)	155	15.1	50.4	39.2 J	13.3	31.8	35.4 J
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	2.81	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.88 B	0.21 U	0.21 U	4	0.21 U	0.21 U	0.21 U
Lead (Filtered) (ug/l)	2.43 U	2.43 U	2.43 U	2.43 U	32.2	2.43 U	2.43 U
Lead (ug/l)	5.62 J	2.43 U	2.43 U	2.43 U	35.7	2.43 U	2.43 U
Indicator Parameters							
Alkalinity (mg/l)	625	306	288	332	502	286	421
Fluoride (mg/l)	0.13	1.13	0.34	0.05 U	0.28 J	NA	0.58
Total Dissolved Solids (mg/l)	4540	1470	628	737	2500	661	1110
Total Suspended Solids (mg/l)	245	9.9	2.1 J	1.8 J	1.7 J	1.33 J	5.4
Radiological Parameters							
Gross Alpha (pCi/l)	6.35 UJ	2.05 UJ	3.55 UJ	1.74 U	22.3 J	3.86 J	3.87 UJ
Nonvolatile Beta (pCi/l)	9.66 UJ	6.7	6.08	1.28 U	16.1	4.61	1.03 U
Radium-226 (pCi/l)	0.52	0.43 J	1.59 J	1.05	0.21 U	1.23 J	0.2 U
Radium-228 (pCi/l)	1.78	1.23 J	1.03 U	0.46 U	1.18 J	1.22 J	0.34 U
Uranium, total (ug/l)	6.82	0.59 U	0.59 U	0.46 U	25.3	0.96 U	4.94
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.82	0.33	0.11 U	0.08 U	0.24	0.17 U	-0.02 U
Thorium-230 (pCi/l)	0.25 J	0.17 J	0.37	0.11 U	0.28	0.27 U	0.06 J
Thorium-232 (pCi/l)	0.13 J	-0.01 U	0 U	0.07 U	0.05 U	-0.01 U	0.01 U
Uranium-233/234 (pCi/l)	2.97	0.6 U	0.59 U	0.21 J	9.25	0.37 U	2.76
Uranium-235/236 (pCi/l)	0.16	0.04 U	0.08 U	0.07 U	0.34	0.05 U	0.16 U
Uranium-238 (pCi/l)	2.74	0.34 J	0.2 J	0.18 J	9.83	0.42 J	1.28 J
Radiological Parameters (GammaSpec)							
Actinium-227 (pCi/l)	-12.1 U	-5.68 U	-12.7 U	-2.85 U	-15.3 U	1.92 U	-15.9 U
Actinium-228 (pCi/l)	13.1 U	1.85 U	3.11 U	1.33 U	0 U	4.78 U	3.79 U
Cesium-137 (pCi/l)	-0.53 U	0.73 U	0.34 U	1.31 U	0.91 U	0.05 U	0.61 U
Cobalt-60 (pCi/l)	-0.75 U	1 U	0.15 U	-0.32 U	-0.52 U	0.84 U	-0.16 U
Potassium-40 (pCi/l)	61.1 U	26.2 U	31.2 U	19.2 U	54.5 U	0 U	14.1 U
Protactinium-231 (pCi/l)	-37.4 U	36.5 U	19.9 U	20.8 U	31.1 U	-4.62 U	18.9 U
Thorium-234 (pCi/l)	0 U	10.8 U	47.9 U	0 U	0 U	0 U	0 U
Uranium-235 (pCi/l)	-4.76 U	10.5 U	3.51 U	-8.66 U	22 U	7.61 U	3.71 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-24(S)	IA09-MW-24(S)	IA09-MW-25(I)	IA09-MW-26(S)	IA09-MW-39(B)	IA09-MW-40(B)	IA09-MW-41(B)
Sample No	LUGW0308	LUGW0308D	LUGW0309	LUGW0310	LUGW0323	LUGW0324	LUGW0325
Collection Date	11/12/2001	11/12/2001	11/12/2001	11/08/2001	11/14/2001	11/14/2001	11/12/2001
Duplicate ID	LUGW9222						
Northing	199349	199349	199583	199584	199587	199290	199293
Easting	517339	517339	517256	517458	517402	517362	517360
Metals							
Arsenic (Filtered) (ug/l)	15.1 J	10.3 J	8.87 J	3.32 B	2.6 U	2.6 U	8.69 J
Arsenic (ug/l)	2.6 U	2.6 U	4.54 B	8.62	2.6 U	3.87 B	2.6 U
Barium (Filtered) (ug/l)	12.4	12.3	96.8	17.4	104 J	28.4 J	35.8
Barium (ug/l)	12.7 J	12.8 J	103 J	95	110 J	32.5 J	38.6 J
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	38.6	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	57.7	0.21 U	0.21 U	0.21 U
Lead (Filtered) (ug/l)	6.53	5.84	2.43 U	2.95 B	2.43 U	4.14	2.43 U
Lead (ug/l)	9.8	8.57	2.43 U	15.9	2.63 B	3.51	2.43 U
Indicator Parameters							
Alkalinity (mg/l)	61.2	469	242	408	275	357	207
Fluoride (mg/l)	1.51	1.39	0.19	2.21 J	0.13	0.29	0.17
Total Dissolved Solids (mg/l)	2000	1990	616	1580	357	1040	419
Total Suspended Solids (mg/l)	2.5	2.9	1.3 J	682	12.6	1.6 J	0.5 J
Radiological Parameters							
Gross Alpha (pCi/l)	165	127	2.7 U	35.7 J	1.53 J	6.69 J	1.48 U
Nonvolatile Beta (pCi/l)	22.3	21.1	6.08	39.8	0.77	6.22	6.32
Radium-226 (pCi/l)	0.4 U	0.44 J	0.88	0.67 J	1.01	1.46	0.72
Radium-228 (pCi/l)	0.83 U	0.79 U	-0.03 U	0.64 U	0.95 U	0.69 U	0.56 U
Uranium, total (ug/l)	197	194	0.99	10.9	0.03 U	0.99	0.49 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.19 J	0.08 U	0.16 U	0.85	0.33 U	0.61	-0.19 U
Thorium-230 (pCi/l)	0.37 U	0.2 U	0.49 U	1.1	0.24 U	-0.01 U	0.63 U
Thorium-232 (pCi/l)	0.07 J	0.03 U	-0.01 U	0.47	-0.05 U	-0.03 U	0.02 U
Uranium-233/234 (pCi/l)	66.3	68.3	0.34 J	5.47	0.11 U	1.25	0.39 J
Uranium-235/236 (pCi/l)	6.99	3.76	-0.01 U	0.26	0.02 U	-0.02 U	0.16 U
Uranium-238 (pCi/l)	65.7 J	65.6 J	0.42 J	4.65	0 U	0.19 U	0.26 J
Radiological Parameters (GammaSpec)							
Actinium-227 (pCi/l)	-2.68 U	-0.4 U	-21.8 U	-23.4 U	-6.72 U	35.6 U	2.05 U
Actinium-228 (pCi/l)	7.28 U	7.64 U	10.8 U	4.45 U	2.63 U	8.29 U	6.18 U
Cesium-137 (pCi/l)	-1.66 U	-1.3 U	-0.1 U	-2.55 U	-0.72 U	-0.45 U	3.97 U
Cobalt-60 (pCi/l)	1.23 U	-1.15 U	-0.04 U	-1.06 U	-0.32 U	0.48 U	-1.55 U
Potassium-40 (pCi/l)	27.6 U	40.7 U	5.51 U	59.7 U	21.2 U	6.09 U	0.57 U
Protactinium-231 (pCi/l)	3.69 U	-15.3 U	-38.3 U	44.6 U	43.7 U	9.76 U	57.3 U
Thorium-234 (pCi/l)	102 U	69.5 U	0 U	0 U	71.1 U	0 U	0 U
Uranium-235 (pCi/l)	14.7 U	6.88 U	5.13 U	1.46 U	14.8 U	26.2 U	15.2 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-27(I)	IA09-OMW-28(B)	IA09-OMW-29(I)	IA09-OMW-30(B)	IA09-OMW-31(I)	IA09-OMW-32(B)	IA09-OMW-33(I)
Sample No	LUGW0311	LUGW0312	LUGW0314	LUGW0313	LUGW0315	LUGW0316	LUGW0317
Collection Date	11/06/2001	11/06/2001	11/07/2001	11/07/2001	11/06/2001	11/06/2001	11/08/2001
Duplicate ID							
Northing	199593	199593	199684	199687	199712	199712	199801
Easting	517330	517327	517109	517109	517305	517308	517203
Metals							
Arsenic (Filtered) (ug/l)	5.63 J	3.41 J	3.31 U	3.31 U	2.6 U	2.6 U	2.6 U
Arsenic (ug/l)	3.31 U	3.31 U	3.31 U	3.31 U	3.31 U	3.31 U	2.6 U
Barium (Filtered) (ug/l)	57.9	77	103	508	105	111	75.8
Barium (ug/l)	62.3	82.2	112	121	118	119	83.5
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.3 U	0.3 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U
Lead (Filtered) (ug/l)	2.43 U	2.43 U	1.66 U	1.66 U	2.43 U	2.43 U	2.43 U
Lead (ug/l)	1.66 U	1.66 U	1.66 U	1.66 U	1.66 U	1.66 U	2.43 U
Indicator Parameters							
Alkalinity (mg/l)	306	344	217	217	230	235	230
Fluoride (mg/l)	0.32	0.24	0.39	0.53	0.39	0.3	0.05 UJ
Total Dissolved Solids (mg/l)	768	828	393	368	423	380	412
Total Suspended Solids (mg/l)	2.7	4.7	4.4	0.9 J	3.6	0.9 J	1.2 J
Radiological Parameters							
Gross Alpha (pCi/l)	2.82 U	1.58 U	2.93 J	2.96	1.05 U	3.07 J	8.14 J
Nonvolatile Beta (pCi/l)	5.65	3.16 U	2.06 U	2.08 U	2.57 U	2.58 U	2.31 U
Radium-226 (pCi/l)	1.07	0.49	0.59	0.52	0.36	1.12	1.48 J
Radium-228 (pCi/l)	0.9 U	0.69 U	0.32 U	0.32 U	0.4 U	0.38 U	1.52 J
Uranium, total (ug/l)	2.19	0.44	0.63 U	0.36 U	0.8	0.23	0.32 U
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.25 U	0.32 U	0.18 U	0.21 U	0.53 J	0.21 J	0.16 U
Thorium-230 (pCi/l)	0.47	0.19 J	0.06 U	-0.04 U	0.22 U	0.08 U	0.24
Thorium-232 (pCi/l)	0.08 U	-0.02 U	0.01 U	-0.01 U	-0.02 U	0.08 U	0.01 U
Uranium-233/234 (pCi/l)	1.2	0.27	0.31	0.35	0.46	0.22	0.11 U
Uranium-235/236 (pCi/l)	0.06 U	0.01 U	0.04 U	0.04 U	0.03 U	0 U	-0.03 U
Uranium-238 (pCi/l)	0.74	0.1 U	0.21	0.11 J	0.35	0.07 U	0.03 U
Radiological Parameters (GammaSpec)							
Actinium-227 (pCi/l)	-30.7 U	6.91 U	16 U	-3.13 U	5.05 U	2.9 U	-6.23 U
Actinium-228 (pCi/l)	11.3 U	11.6 U	13.3 U	1.97 U	9.85 U	1.19 U	0 U
Cesium-137 (pCi/l)	-0.85 U	0.21 U	0.9 U	0 U	1 U	0.35 U	-0.34 U
Cobalt-60 (pCi/l)	0.12 U	-1 U	1.38 U	-0.09 U	-1.4 U	-1.31 U	-1.15 U
Potassium-40 (pCi/l)	31.3 U	37.7 U	0 U	0 U	5.86 U	29.3 U	32.4 U
Protactinium-231 (pCi/l)	-12.5 U	27.7 U	57.6 U	8.95 U	80.6 U	-66.9 U	-33.7 U
Thorium-234 (pCi/l)	0 U	56.2 U	194 U	91.3 U	140 U	0 U	0 U
Uranium-235 (pCi/l)	8.49 U	8.02 U	15.4 U	24.2 U	12.1 U	12.5 U	4.47 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-34(B)	IA09-OMW-35(I)	IA09-OMW-36(B)	IA09-OMW-37(I)	IA09-OMW-38(B)	IA09-OMW-38(B)	IA09-OMW-44(S)
Sample No	LUGW0318	LUGW0319	LUGW0320	LUGW0321	LUGW0322	LUGW0322D	LUGW0326
Collection Date	11/08/2001	11/06/2001	11/07/2001	11/07/2001	11/08/2001	11/08/2001	11/06/2001
Duplicate ID						LUGW9221	
Northing	199801	199796	199799	199914	199915	199915	199713
Easting	517206	517506	517506	517179	517182	517182	517306
Metals							
Arsenic (Filtered) (ug/l)	2.6 U	2.6 U	3.31 U	3.31 U	4.11 B	2.6 U	2.75 J
Arsenic (ug/l)	2.6 U	3.31 U	3.31 U	3.31 U	2.6 U	2.6 U	3.31 U
Barium (Filtered) (ug/l)	177	138	43	587	91.9	92.1	31.9
Barium (ug/l)	202	153	69.8	82.3	94.5	95	68.9
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.3 U	0.3 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.3 U	0.3 U	0.3 U	0.21 U	0.21 U	0.3 U
Lead (Filtered) (ug/l)	2.43 U	2.43 U	1.66 U	1.66 U	2.43 U	2.43 U	2.43 U
Lead (ug/l)	2.43 U	1.66 U	1.66 U	1.66 U	2.43 U	2.43 U	1.66 U
Indicator Parameters							
Alkalinity (mg/l)	NA	268	68.9	199	240	201	235
Fluoride (mg/l)	NA	0.36	0.1	0.6	0.14 J	0.05 UJ	0.53
Total Dissolved Solids (mg/l)	NA	466	157	380	419	425	1120
Total Suspended Solids (mg/l)	NA	5.5	29.7	5	0.4 J	0.5 J	112
Radiological Parameters							
Gross Alpha (pCi/l)	4.7	4.03	2.17 J	1.62 U	5.06 J	5.06 J	16.1
Nonvolatile Beta (pCi/l)	10.9	5.71	8.85	4.7	3.72	2.9 U	30.9
Radium-226 (pCi/l)	1.82 J	0.71	0.77	0.83	1.11 J	1.53 J	0.68
Radium-228 (pCi/l)	1.49	1.27	0.27 U	-0.01 U	-0.45 U	-0.07 U	0.43 U
Uranium, total (ug/l)	0.58	0.68	0.27 U	0.3 U	0.63 U	0.62 U	6.18
Radiological Parameters (AlphaSpec)							
Thorium-228 (pCi/l)	0.09 U	0.24 U	0.56	0.32	0.1 U	0.07 U	0.42 J
Thorium-230 (pCi/l)	0.39 J	0.28 J	1.01	0.32	0.18 U	0.19	0.36 J
Thorium-232 (pCi/l)	0.09 J	0.02 U	0.13 U	0.02 U	0.01 U	0.01 U	0.17 J
Uranium-233/234 (pCi/l)	0.14 U	0.44	0.08 U	0.15	0.37 U	0.47 U	3.01
Uranium-235/236 (pCi/l)	0.04 U	0.03 U	0.05 U	0.06 U	-0.02 U	0.02 U	0.14
Uranium-238 (pCi/l)	0.1 U	0.3	0.02 U	0.08 U	0.34	0.08 U	1.82
Radiological Parameters (GammaSpec)							
Actinium-227 (pCi/l)	-26.4 U	-12.9 U	-13.5 U	-24.4 U	6.76 U	13.5 U	0.43 U
Actinium-228 (pCi/l)	3.66 U	16 U	12.7 U	13.3 U	11 U	8.14 U	9.76 U
Cesium-137 (pCi/l)	-2.03 U	0.47 U	-1.41 U	-0.78 U	0.36 U	1.65 U	-0.38 U
Cobalt-60 (pCi/l)	1.38 U	-0.28 U	-0.94 U	-1.08 U	1.77 U	1.86 U	0.77 U
Potassium-40 (pCi/l)	22.9 U	10.5 U	33.4 U	1.77 U	34.9 U	0 U	56 J
Protactinium-231 (pCi/l)	65.8 U	-6.61 U	1.68 U	20.6 U	-2.41 U	-81.8 U	-9.23 U
Thorium-234 (pCi/l)	0 U	15.2 U	48.9 U	9.12 U	126 U	118 U	0 U
Uranium-235 (pCi/l)	15.1 U	4.88 U	18.8 U	20.6 U	25.1 U	12.7 U	3.74 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.9. Groundwater Sampling Results ~ November 2001
Luckey Site ~ Luckey, Ohio**

Station	IA09-OMW-45(S)	IA09-OMW-46(S)	IA09-PW(E)
Sample No	LUGW0327	LUGW0328	LUGW0332
Collection Date	11/08/2001	11/07/2001	11/08/2001
Duplicate ID			
Northing	199929	199912	199487
Easting	517521	517175	517225
Metals			
Arsenic (Filtered) (ug/l)	2.6 U	3.31 U	2.6 U
Arsenic (ug/l)	2.6 U	3.31 U	2.6 U
Barium (Filtered) (ug/l)	435	76.2	50.6
Barium (ug/l)	462	81.4	51.4
Beryllium (Filtered) (ug/l)	0.21 U	0.3 U	0.21 U
Beryllium (ug/l)	0.21 U	0.3 U	0.21 U
Lead (Filtered) (ug/l)	2.43 U	1.66 U	2.53 B
Lead (ug/l)	2.43 U	1.66 U	2.43 U
Indicator Parameters			
Alkalinity (mg/l)	783	179	283
Fluoride (mg/l)	0.59 J	0.56	0.12 J
Total Dissolved Solids (mg/l)	789	406	822
Total Suspended Solids (mg/l)	11.8	9.38	0.4 J
Radiological Parameters			
Gross Alpha (pCi/l)	6.05 J	3.11 J	2.36 UJ
Nonvolatile Beta (pCi/l)	18.7	4.06	4.91
Radium-226 (pCi/l)	1.9 J	1.47	0.68 J
Radium-228 (pCi/l)	0.11 U	0.45 U	0.44 U
Uranium, total (ug/l)	0.32 U	0.57 U	0.43 U
Radiological Parameters (AlphaSpec)			
Thorium-228 (pCi/l)	0.03 U	0.5	0.05 U
Thorium-230 (pCi/l)	0.26	0.44	0.16
Thorium-232 (pCi/l)	0.02 U	0.06 U	0 U
Uranium-233/234 (pCi/l)	0.14 U	0.44	0.12 U
Uranium-235/236 (pCi/l)	0.03 U	0.06 U	0.05 U
Uranium-238 (pCi/l)	0.1 U	0.37	0.08 U
Radiological Parameters (GammaSpec)			
Actinium-227 (pCi/l)	5.72 U	-27.8 U	-7.92 U
Actinium-228 (pCi/l)	9.39 U	1.6 U	4 U
Cesium-137 (pCi/l)	-1.45 U	-0.13 U	-1.8 U
Cobalt-60 (pCi/l)	1.18 U	1.41 U	-2.67 U
Potassium-40 (pCi/l)	38.6 U	38.4 U	62.7 U
Protactinium-231 (pCi/l)	5.93 U	29.6 U	-41.2 U
Thorium-234 (pCi/l)	115 U	0 U	80.4 U
Uranium-235 (pCi/l)	7.61 U	21.8 U	-2.11 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Table 2A.10. Groundwater Sampling Results ~ Residential Wells and East Production Well ~ February 2002
Lucky Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0001	IA09-GW0002	IA09-GW0003	IA09-PW(E)
Sample No	LUGW0334	LUGW0334D	LUGW0335	LUGW0336	LUGW0333
Collection Date	02/26/2002	02/26/2002	02/26/2002	02/26/2002	02/26/2002
Duplicate ID	LUGW9225				
Northing	199430	199430	199316	200063	199487
Easting	517223	517223	517063	517141	517225
Metals					
Arsenic (Filtered) (ug/l)	2.96 J	4.36 B	2.6 U	2.75 B	4.72 B
Arsenic (ug/l)	2.6 UJ	4.03 B	2.6 U	2.6 U	4.57 B
Barium (Filtered) (ug/l)	49.3	49.1	59.4	36.7	48.7
Barium (ug/l)	50	49.4	60.2	37	50.3
Beryllium (Filtered) (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Beryllium (ug/l)	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Lead (Filtered) (ug/l)	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U
Lead (ug/l)	2.43 U	2.43 U	2.43 U	2.43 U	2.43 U
Indicator Parameters					
Alkalinity (mg/l)	182	175	113 J	128	227
Fluoride (mg/l)	0.73	0.72	0.42	0.84	0.83
Total Dissolved Solids (mg/l)	918	917	422	401	901
Total Suspended Solids (mg/l)	2.66 UJ	0.6 J	2.69 U	0.72 J	2.63 U
Radiological Parameters					
Gross Alpha (pCi/l)	1.06 UJ	0.74 UJ	2.61 UJ	3.11 J	0.71 UJ
Nonvolatile Beta (pCi/l)	3.1	2.76	2.23 U	1.87 J	3.08
Radium-226 (pCi/l)	0.63	0.75	1.12	1.1	0.24 U
Radium-228 (pCi/l)	0.42 UJ	0.41 UJ	1.24 UJ	0.72 UJ	2.38 J
Uranium, total (ug/l)	0.7 U	0.69 U	0.52 U	1.01 U	0.82 U
Radiological Parameters (AlphaSpec)					
Thorium-228 (pCi/l)	0.12	0.05 U	0.07 U	0.11	0.06 U
Thorium-230 (pCi/l)	0.21	0.26	0.07 U	0.31	0.08 U
Thorium-232 (pCi/l)	0.02 J	0 U	-0.06 U	0.04 U	0.01 U
Uranium-233/234 (pCi/l)	0.2 U	0.23 U	0.19 J	0.59	0.2 J
Uranium-235/236 (pCi/l)	0.02 U	0.04 U	-0.01 U	-0.01 U	-0.01 U
Uranium-238 (pCi/l)	0.05 U	0.16 U	0.1 U	0.26 J	0.17 J
Radiological Parameters (GammaSpec)					
Actinium-227 (pCi/l)	-8.15 U	3.21 U	-7.26 U	-6.06 U	-2.72 U
Actinium-228 (pCi/l)	7.29 U	11 U	2.12 U	1 U	1.32 U
Cesium-137 (pCi/l)	0.47 U	-0.71 U	0.66 U	-0.2 U	1.14 U
Cobalt-60 (pCi/l)	0.48 U	0.44 U	0.9 U	-0.02 U	0.21 U
Potassium-40 (pCi/l)	0 U	40.8 U	31.8 U	0 U	8.5 U
Protactinium-231 (pCi/l)	-16 U	31.7 U	30.4 U	3.56 U	-3.21 U
Thorium-234 (pCi/l)	22 U	0 U	0 U	125 U	145 J
Uranium-235 (pCi/l)	0.89 U	9.22 U	10.1 U	5.96 U	15.7 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Groundwater Sampling Results, Table 2A.11. Groundwater Sampling Results ~ June 2002
Luckey Site ~ Luckey, Ohio**

Station	IA09-GW0001	IA09-GW0002	IA09-PW(E)	IA09-MW-01(I)	IA09-MW-02(S)	IA09-MW-02(S)	IA09-MW-05(I)	IA09-MW-07(I)
Sample No	LUGW0348	LUGW0350	LUGW0349	LUGW0337	LUGW0338	LUGW0338D	LUGW0339	LUGW0340
Collection Date	06/06/2002	06/06/2002	06/06/2002	06/08/2002	06/06/2002	06/06/2002	06/05/2002	06/05/2002
Duplicate ID						LUGW9227		
Northing	199430	199316	199487	199583	199581	199581	199438	199545
Easting	517223	517063	517225	517402	517398	517398	517608	517592
Metals								
Beryllium (Filtered) (ug/l)	4 U	4 U	4 U	11	62	60	4 U	4 U
Beryllium (ug/l)	4 U	4 U	4 U	34	60	62	4 U	4 U
Lead (Filtered) (ug/l)	3 U	3 U	3 U	3	3 U	3 U	4	3 U
Lead (ug/l)	3 U	3 U	3 U	3 U	6	4	4	3 U
Radiological Parameters								
Gross Alpha (pCi/l)	6.3	3.9	6.97	7.15	10.8	7.65	9.62	7.16
Nonvolatile Beta (pCi/l)	7.66	2.36 U	8.86	5.38	8.56	6.55	19.1	8.96
Uranium, total (ug/l)	0.48	0.18	0.52	3.19	6.97	6.46	3.58	2.48
Radiological Parameters (AlphaSpec)								
Uranium-233/234 (pCi/l)	0.31	0.33	0.19 U	1.57	2.37	2.51	1.36	1.44
Uranium-235/236 (pCi/l)	-0.01 U	0 U	0.02 U	0.16 J	0.18 U	0.12 U	0.05 U	0.2 U
Uranium-238 (pCi/l)	0.26	0.08 U	0.16 U	0.78	1.88	2	0.96	0.68
Uranium-235 (pCi/l)	0 U	0.3 U	4.3 U	6.27	4.02 U	2.63 U	2.3 U	8.46 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Groundwater Sampling Results, Table 2A.11. Groundwater Sampling Results ~ June 2002
Luckey Site ~ Luckey, Ohio**

Station	IA09-MW-19(I)	IA09-MW-21(I)	IA09-MW-24(S)	IA09-MW-24(S)	IA09-MW-26(S)	IA09-MW-40(B)	IA09-OMW-29(I)
Sample No	LUGW0341	LUGW0342	LUGW0343	LUGW0343D	LUGW0352	LUGW0347	LUGW0344
Collection Date	06/05/2002	06/07/2002	06/06/2002	06/06/2002	06/06/2002	06/08/2002	06/07/2002
Duplicate ID				LUGW9226			
Northing	199585	199496	199349	199349	199584	199290	199684
Easting	517538	517367	517339	517339	517458	517362	517109
Metals							
Beryllium (Filtered) (ug/l)	4 U	4 U	4 U	4 U	103	4 U	4 U
Beryllium (ug/l)	4 U	4 U	4 U	4 U	119	4 U	4 U
Lead (Filtered) (ug/l)	3 U	29	12	12	3 U	3	3 U
Lead (ug/l)	3 U	34	13	12	10	4	3 U
Radiological Parameters							
Gross Alpha (pCi/l)	4.51	35.6	269 J	237	19.1	6.5	3.68 J
Nonvolatile Beta (pCi/l)	6.11	30.2	70.2	55	12.5	8.83	3.35 U
Uranium, total (ug/l)	0.43	27.6	333	335	13.8	1.03	0.21
Radiological Parameters (AlphaSpec)							
Uranium-233/234 (pCi/l)	0.43	8.64	99.8	103	4.88	0.67	0.14 U
Uranium-235/236 (pCi/l)	0.04 U	0.76	12.8 J	11.8 J	0.12 U	0.04 U	-0.01 U
Uranium-238 (pCi/l)	0.1 U	7.97	100	99.9	3.13	0.33 J	0.1 U
Uranium-235 (pCi/l)	7.7 U	4.36	6.02	5.5	1.5 U	3.83 U	0 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well

**Groundwater Sampling Results, Table 2A.11. Groundwater Sampling Results ~ June 2002
Lucky Site ~ Lucky, Ohio**

Station	IA09-OMW-31(I)	IA09-OMW-35(I)
Sample No	LUGW0345	LUGW0346
Collection Date	06/07/2002	06/07/2002
Duplicate ID		
Northing	199712	199796
Easting	517305	517506
<i>Metals</i>		
Beryllium (Filtered) (ug/l)	4 U	4 U
Beryllium (ug/l)	4 U	4 U
Lead (Filtered) (ug/l)	3 U	3 U
Lead (ug/l)	3 U	3 U
<i>Radiological Parameters</i>		
Gross Alpha (pCi/l)	1.11 U	4.14
Nonvolatile Beta (pCi/l)	2.65 U	5.16
Uranium, total (ug/l)	0.67	0.72
<i>Radiological Parameters (AlphaSpec)</i>		
Uranium-233/234 (pCi/l)	0.3 J	0.35 J
Uranium-235/236 (pCi/l)	0.05 U	0.06 U
Uranium-238 (pCi/l)	0.27 J	0.3 J
Uranium-235 (pCi/l)	8.6 U	8.44 U

-- not analyzed
 GW0001 - Uretech Tap
 GW0002 - Berfield Residence

GW0003 - Wairse Residence
 PW(E) - East Production Well
 PW(W) - West Production Well