TABLE 1

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

RFI GROUNDWATER ELEVATIONS

						Sampling Round and Date														STUDY STATISTICS		
						Round 1: 10/29/98		Site Visit: 12/1/98		Round 2: 2/1/99		Round 3: 5/10/99		Round 4: 8/2/99		Pump Test: 10/11/99		Study End: 12/06/99				
Monitoring Point	Screened Interval (feet)	Class	Top of PVC Elevation (ft. AMSL)	Ground Surface Elevation (ft. AMSL)	Screen Midpoint Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Depth to Water (feet)	Groundwater Elevation (ft. AMSL)	Minimum Elevation (ft. AMSL)	Maximum Elevation (ft. AMSL)	Difference (feet)
MW-1	8 - 13	Shallow	1317.12	1315.20	1304.7	9.55	1307.57	9.71	1307.41	8.20	1308.92	8.68	1308.44	9.52	1307.60	9.01	1308.11	8.64	1308.28	1307.41	1308.92	1.51
MW-2	6 - 11	Shallow	1313.98	1313.89	1305.4	5.93	1308.05	5.78	1308.20	5.14	1308.84	5.48	1308.50	5.66	1308.32	5.69	1308.29	5.51	1308.47	1308.05	1308.84	0.79
MW-3	6 - 11	Shallow	1316.04	1315.11	1306.6	7.05	1308.99	6.87	1309.17	6.12	1309.92	6.53	1309.51	7.00	1309.04	6.66	1309.38	6.51	1309.53	1308.99	1309.92	0.93
MW-4	50 - 60	Deep	1315.41	1314.77	1259.8	9.78	1305.63	10.05	1305.36	8.88	1306.53	9.29	1306.12	9.66	1305.75	9.19	1306.22	9.27	1306.14	1305.36	1306.53	1.17
MW-5	47 - 57	Deep	1316.88	1315.48	1263.5	11.82	1305.06	12.11	1304.77	10.93	1305.95	11.13	1305.75	11.57	1305.31	11.07	1305.81	11.19	1305.69	1304.77	1305.95	1.18
MW-6	7 - 38	Midrange	1313.25	1313.80	1291.3	8.20	1305.05	8.48	1304.77	7.27	1305.98	7.56	1305.69	7.93	1305.32	7.43	1305.82	7.59	1305.66	1304.77	1305.98	1.21
MW-7	40 - 50	Deep	1315.84	1313.56	1268.6	10.78	1305.06	11.06	1304.78	9.93	1305.91	10.17	1305.67	10.57	1305.27	10.09	1305.75	10.22	1305.62	1304.78	1305.91	1.13
MW-8	7 - 37	Midrange	1313.39	1313.51	1291.5	8.42	1304.97	8.74	1304.65	7.42	1305.97	7.77	1305.62	8.02	1305.37	7.47	1305.92	7.76	1305.63	1304.65	1305.97	1.32
MW-9	7 - 37	Midrange	1312.31	1310.08	1288.1	8.81	1303.50	9.10	1303.21	7.76	1304.55	8.28	1304.03	8.53	1303.78	7.69	1304.62	8.20	1304.11	1303.21	1304.62	1.41
MW-10	7 - 38	Midrange	1314.51	1312.95	1290.5	9.37	1305.14	9.66	1304.85	8.50	1306.01	8.74	1305.77	9.15	1305.36	8.68	1305.83	8.80	1305.71	1304.85	1306.01	1.16
MW-11	9.7 - 14.7	Shallow	1318.41	1318.67	1306.5	8.99	1309.42	9.28	1309.13	8.06	1310.35	8.70	1309.71	9.52	1308.89	9.14	1309.27	8.68	1309.73	1308.89	1310.35	1.46
MW-12	9.3 - 14.3	Shallow	1309.66	1307.89	1296.1	9.51	1300.15	9.59	1300.07	9.16	1300.50	9.29	1300.37	9.50	1300.16	9.28	1300.38	9.19	1300.47	1300.07	1300.50	0.43
MW-13	3.4 - 13.4	Shallow	1308.45	1309.35	1301.0	5.83	1302.62	5.99	1302.46	5.43	1303.02	5.51	1302.94	5.83	1302.62	5.43	1303.02	5.49	1302.96	1302.46	1303.02	0.56
MW-14	5.7 - 15.7	Shallow	1309.72	1310.46	1299.8	6.53	1303.19	6.88	1302.84	5.84	1303.88	6.08	1303.64	6.43	1303.29	6.23	1303.49	6.22	1303.50	1302.84	1303.88	1.04
P-1	54.4 - 64.4	Deep	1314.77	1313.59	1254.2	9.67	1305.10	9.96	1304.81	8.98	1305.79	9.06	1305.71	9.44	1305.33	8.98	1305.79	9.07	1305.70	1304.81	1305.79	0.98
P-3	20.1 - 25.1	Deep	1308.90	1309.43	1286.8	5.86	1303.04	6.03	1302.87	5.47	1303.43	5.55	1303.35	5.66	1303.24	5.45	1303.45	5.54	1303.36	1302.87	1303.45	0.58
P-4	24.7 - 34.7	Deep	1309.35	1310.42	1280.7	5.96	1303.39	6.03	1303.32	5.16	1304.19	5.56	1303.79	5.80	1303.55	5.17	1304.18	5.43	1303.92	1303.32	1304.19	0.87
SG-1	Stream Gauge		1309.91	N/A	N/A	1.92	1307.99	2.02	1307.89	1.62	1308.29	1.93	1307.98	2.30	1307.61	2.18	1307.73	1.86	1308.05	1307.61	1308.29	0.68
SG-2	Stream Gauge		1307.88	N/A	N/A	4.65	1303.23	4.66	1303.22	4.19	1303.69	4.33	1303.55	4.73	1303.15	4.68	1303.20	4.34	1303.54	1303.15	1303.69	0.54
SG-3	Stream Gauge		1309.93	N/A	N/A	11.78	1298.15	11.80	1298.13	11.47	1298.46	11.79	1298.14	12.08	1297.85	12.03	1297.90	11.64	1298.29	1297.85	1298.46	0.61
SG-4	Stream Gauge		1299.83	N/A	N/A	9.32	1290.51	9.32	1290.51	8.96	1290.87	9.10	1290.73	9.34	1290.49	9.25	1290.58	8.95	1290.88	1290.49	1290.88	0.39

TABLE 2

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

CALCULATED VERTICAL GRADIENTS

Monitoring Point	Well Type	Vertical Gradient (feet)					
		10/26/98	12/1/98	2/1/99	5/10/99	8/2/99	Average
MW-4	Deep	-2.97	-3.34	-3.09	-3.08	-3.15	-3.13
MW-5	Deep	-1.74	-1.73	-1.91	-1.70	-2.46	-1.91
MW-6	Midrange	-0.85	-1.03	-0.62	-0.66	-0.73	-0.78
MW-7	Deep	-0.34	-0.42	-0.43	-0.37	-0.33	-0.38
MW-8	Midrange	-0.73	-1.05	-0.31	-0.47	-0.42	-0.60
MW-9	Midrange	0.60	0.51	1.10	0.79	0.78	0.76
MW-10	Midrange	-0.86	-0.95	-0.61	-0.53	-0.51	-0.69
P-1	Deep	-2.95	-3.39	-3.05	-2.79	-2.99	-3.03
P-3	Deep	0.42	0.41	0.41	0.41	0.62	0.45
P-4	Deep	0.20	0.48	0.31	0.15	0.26	0.28

TABLE 3

OSRAM SYLVANIA PRODUCTS, INC.
WELLSBORO, PENNSYLVANIA

TRIGGER LEVEL DETERMINATION

Parameter	MCL	RBC	Upgradient	Trigger
Volatile Organics:				
Chloroform	0.08	0.00015	< 0.001	**0.08**
Dissolved Metals:				
Trivalent Chromium	0.1 *	55	< 0.0030	**55**
Hexavalent Chromium	0.1 *	0.11	< 0.0030	**0.11**
Aluminum	NA	37	< 0.052	**37**
Arsenic	0.05	0.000045	< 0.0070	**0.05**
Barium	2	2.6	0.160	**2.6**
Beryllium	0.004	0.073	< 0.00003	**0.073**
Cadmium	0.005	0.018	0.00089 J	**0.018**
Lead	0.015 **	NA	< 0.0065	**0.015**
Nickel	NA	0.73	< 0.0030	**0.73**
Selenium	0.05	0.18	< 0.0059	**0.18**
Other Compounds:				
Total Cyanide	0.2	0.73 ***	< 0.0040	**0.73**
Phenol	NA	22	< 0.0040	**22**
Dinoseb	0.007	0.0061	< 0.00005	**0.007**

NOTES:

All concentrations are in mg/l.

MCL is the Drinking Water Maximum Contaminant Level.

RBC is the EPA Region III Risk-Based Concentration, Tap water value.

UPGRADIENT values are from MW-11, Sampling Round 1.

TRIGGER is the largest value of the MCL, RBC and Upgradient concentration in accordance with the RFI Workpl

Triggers were not established for PAHs or PCBs since none were detected.

* MCL listed is actually for total chromium. No MCLs are established for each valence state.

** Action level at the tap.

*** Value shown is for free cyanide; no total cyanide value is available.

TABLE 4A

OSRAM SYLVANIA PRODUCTS, INC.
WELLSBORO, PENNSYLVANIA

RFI SAMPLING RESULTS

ROUND 1 - 10/26/98 THROUGH 10/29/98

Parameter	Units	Sampling Location														Trigger Levels		Quality Control Samples			
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	Trigger	Source	MW-14D	RB-1A	RB-1B	Trip Blank
Field Parameters:																					
pH	S.U.	6.5	6.8	6.8	8.5	7.1	6.0	8.6	7.9	7.8	6.8	7.5	8.0	7.6	7.1	(none)	–	NA	NA	NA	NA
Eh (ORP)	mV	+ 235	+ 205	+ 210	+ 145	+ 60	+ 290	+ 245	+ 230	+ 235	+ 270	+ 260	- 35	+ 145	+ 170	(none)	–	NA	NA	NA	NA
Temperature	° C	19	19	18	18	19	15	16	16	16	15	16	14	18	18	(none)	–	NA	NA	NA	NA
Conductivity	µmhos/cm	210	210	320	500	610	370	500	430	790	450	540	700	2,480	510	(none)	–	NA	NA	NA	NA
Volatile Organics:																					
Chloroform	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.001	< 0.001	< 0.001	0.002 J	0.08	MCL	0.003 J	< 0.001	NA	< 0.001
Polynuclear Aromatic Hydrocarbons																					
(all PAHs)	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	(none)	–	ND	ND	NA	NA
Polychlorinated Biphenyls:																					
(all Aroclors)	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	(none)	–	ND	ND	NA	NA
Dissolved Metals:																					
Trivalent Chromium	mg/l	< 0.0030	0.153	0.0246	< 0.0030	< 0.0030	0.180	< 0.0030	< 0.0030	0.0114	0.0112	< 0.0030	< 0.0030	< 0.0030	< 0.0030	55	RBC	< 0.0030	< 0.0017	< 0.0017	NA
Hexavalent Chromium	mg/l	< 0.0030	4.72	0.366	< 0.0030	< 0.0030	0.845	< 0.0030	< 0.0030	0.038	0.019	< 0.0030	< 0.0030	< 0.0030	< 0.0030	0.11	RBC	< 0.0030	< 0.0030	< 0.0030	NA
Aluminum	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.052	< 0.052	< 0.052	< 0.052	37	RBC	< 0.052	< 0.052	NA	NA
Arsenic	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.026	0.168	< 0.0070	0.05	MCL	< 0.0070	< 0.0070	NA	NA
Barium	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.160	0.102	0.263	0.111	2.6	RBC	0.109	< 0.00021	NA	NA
Beryllium	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.00003	< 0.00003	0.00023	0.000052	0.073	RBC	< 0.00003	< 0.00003	NA	NA
Cadmium	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00089 J	< 0.00063	0.00090 J	0.0018	0.018	RBC	0.00133 J	< 0.00063	NA	NA
Lead	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0065	< 0.0065	< 0.0065	< 0.0065	0.015	MCL	< 0.0065	< 0.0065	NA	NA
Nickel	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0030	< 0.0030	< 0.0030	< 0.0030	0.73	RBC	< 0.0030	< 0.0030	NA	NA
Selenium	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0059	< 0.0059	< 0.0059	< 0.0059	0.18	RBC	< 0.0059	< 0.0059	NA	NA
Other Compounds:																					
Total Cyanide	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.73	RBC	< 0.0040	< 0.0040	NA	NA
Phenol	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0040	0.0087 J	< 0.0040	< 0.0040	22	RBC	< 0.0040	0.0079 J	NA	NA
Dinoseb	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.007	MCL	< 0.00005	< 0.00005	NA	NA

NOTES: Only those volatile organic compounds, polynuclear aromatic hydrocarbons, and PCB Aroclors actually detected are listed. "ND" means not detected. Refer to Laboratory Data Sheets in the Appendices for actual detection li
"RB" is the designation for an equipment Rinseate Blank.
"MW-14D" is the designation for a split sample (duplicate) of MW-14.
"NA" means that the subject parameter was not analyzed in accordance with the RFI Workplan.
"J" qualifier on data means that the parameter was detected at a concentration above the Method Detection Limit but less than the Practical Quantitation Limit. Reported values are therefore estimates.
Trigger Level Sources: MCL - Drinking Water Maximum Contaminant Level
RBC - EPA Region III Risk-Based Concentrations for Tap Water

TABLE 4B

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

RFI SAMPLING RESULTS

ROUND 2 - 2/2/99 THROUGH 2/3/99

Parameter	Units	Sampling Location														Trigger Levels		Quality Control Samples		
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	Trigger	Source	MW-12D	RB-1	RB-2
Field Parameters:																				
pH	S.U.	7.2	7.1	6.9	9.5	7.5	5.7	7.2	7.6	6.9	7.7	6.4	7.2	7.6	7.0	(none)	--	NA	NA	NA
Eh (ORP)	mV	+ 230	+ 240	+ 260	+ 150	+ 205	+ 300	+ 240	+ 230	+ 255	+ 240	+ 260	- 45	+ 135	+ 230	(none)	--	NA	NA	NA
Temperature	° C	7	11	8	13	7	10	11	8	7	8	9	9	10	11	(none)	--	NA	NA	NA
Conductivity	µmhos/cm	1,750	190	220	320	490	1,300	600	2,050	1,200	180	3,100	600	2,210	500	(none)	--	NA	NA	NA
Dissolved Metals:																				
Trivalent Chromium	mg/l	NA	< 0.030	NA	NA	NA	NA	< 0.0030	< 0.0030	< 0.0030	NA	< 0.0030	NA	NA	< 0.0030	55	RBC	NA	NA	< 0.0030
Hexavalent Chromium	mg/l	NA	**3.09**	NA	NA	NA	NA	< 0.0030	0.0047 J	0.048	NA	< 0.0030	NA	NA	0.0032 J	0.11	RBC	NA	NA	0.0061 J
Arsenic	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.011	0.039	< 0.0070	0.05	MCL	0.0092 J	< 0.0070	< 0.0070

NOTES: "RB" is the designation for an equipment Rinseate Blank.
"MW-12D" is the designation for a split sample (duplicate) of MW-12.
"NA" means that the subject parameter was not analyzed in accordance with the Interim RFI Summary Report.
"J" qualifier on data means that the parameter was detected at a concentration above the Method Detection Limit but less than the Practical Quantitation Limit. Reported values are therefore estimates.
Field parameters for those wells which were not subjected to laboratory analysis were determined without purging the well. All other field parameters shown were determined after purging.
Bold values exceed the trigger level.
Trigger Level Sources: MCL - Drinking Water Maximum Contaminant Level
RBC - EPA Region III Risk-Based Concentrations for Tap Water

TABLE 4C

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

RFI SAMPLING RESULTS

ROUND 3 - 5/11/99 THROUGH 5/12/99

Parameter	Units	Sampling Location														Trigger Levels		Quality Control Samples		
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	Trigger	Source	MW-13D	RB-1	RB-2
Field Parameters:																				
pH	S.U.	NA	6.8	NA	NA	NA	NA	7.2	7.6	7.0	NA	6.8	7.1	7.4	6.7	(none)	--	NA	NA	NA
Eh (ORP)	mV	NA	+ 210	NA	NA	NA	NA	- 65	+ 225	+ 235	NA	+ 195	- 55	+ 180	+ 205	(none)	--	NA	NA	NA
Temperature	° C	NA	14	NA	NA	NA	NA	16	15	14	NA	13	14	15	15	(none)	--	NA	NA	NA
Conductivity	µmhos/cm	NA	220	NA	NA	NA	NA	620	1,980	1,300	NA	1,730	700	2,410	590	(none)	--	NA	NA	NA
Dissolved Metals:																				
Trivalent Chromium	mg/l	NA	< 0.030	NA	NA	NA	NA	< 0.0030	< 0.0030	< 0.0030	NA	< 0.0030	NA	NA	< 0.0030	55	RBC	NA	< 0.0030	< 0.0030
Hexavalent Chromium	mg/l	NA	**3.09**	NA	NA	NA	NA	< 0.0030	< 0.0030	0.055	NA	0.0035 J	NA	NA	< 0.0030	0.11	RBC	NA	< 0.0030	< 0.0030
Arsenic	mg/l	NA	. NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	< 0.0070	**0.083**	< 0.0070	0.05	MCL	0.081	NA	< 0.0070

NOTES: "RB" is the designation for an equipment Rinseate Blank.
"MW-13D" is the designation for a split sample (duplicate) of MW-13.
"NA" means that the subject parameter was not analyzed in accordance with the Interim RFI Summary Report.
"J" qualifier on data means that the parameter was detected at a concentration above the Method Detection Limit but less than the Practical Quantitation Limit. Reported values are therefore estimates.
Field parameters for those wells which were not subjected to laboratory analysis were determined without purging the well. All other field parameters shown were determined after purging.
Bold values exceed the trigger level.
Trigger Level Sources: MCL - Drinking Water Maximum Contaminant Level
RBC - EPA Region III Risk-Based Concentrations for Tap Water

TABLE 4D

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

RFI SAMPLING RESULTS

ROUND 4 - 8/3/99 THROUGH 8/4/99

Parameter	Units	Sampling Location														Trigger Levels		Quality Control Samples		
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	Trigger	Source	MW-14D	RB-1	RB-2
Field Parameters:																				
pH	S.U.	7.4	7.2	8.4	6.8	7.5	6.3	7.2	7.5	6.7	6.7	7.2	7.4	7.3	7.0	(none)	--	NA	NA	NA
Eh (ORP)	mV	+ 80	+ 150	+ 190	+ 65	+ 95	+ 285	+ 20	+ 165	+ 185	+ 205	+ 160	- 65	130	+ 180	(none)	--	NA	NA	NA
Temperature	° C	19	20	21	19	19	19	17	21	19	18	17	17	21	21	(none)	--	NA	NA	NA
Conductivity	µmhos/cm	300	290	310	400	600	900	580	1,700	1,220	500	1,490	800	2,550	600	(none)	--	NA	NA	NA
Dissolved Metals:																				
Trivalent Chromium	mg/l	NA	0.37	NA	NA	NA	< 0.0030	< 0.0030	0.0057 J	0.011	0.0066 J	< 0.0030	NA	NA	< 0.0030	55	RBC	< 0.0030	< 0.0030	< 0.0030
Hexavalent Chromium	mg/l	NA	**4.32**	NA	NA	NA	**1.52**	< 0.0030	< 0.0030	0.042	0.044	< 0.0030	NA	NA	< 0.0030	0.11	RBC	< 0.0030	< 0.0030	< 0.0030
Arsenic	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.022	**0.091**	< 0.0070	0.05	MCL	< 0.0070	NA	< 0.0070

NOTES: "RB" is the designation for an equipment Rinseate Blank.
"MW-14D" is the designation for a split sample (duplicate) of MW-14.
"NA" means that the subject parameter was not analyzed in accordance with the Interim RFI Summary Report.
"J" qualifier on data means that the parameter was detected at a concentration above the Method Detection Limit but less than the Practical Quantitation Limit. Reported values are therefore estimates.
Field parameters for those wells which were not subjected to laboratory analysis were determined without purging the well. All other field parameters shown were determined after purging.
The pH at MW-4 was originally found to be 12.0. This well was resampled after purging on 9/16/99 to produce the value shown in the table.
Bold values exceed the trigger level.
Trigger Level Sources: MCL - Drinking Water Maximum Contaminant Level
RBC - EPA Region III Risk-Based Concentrations for Tap Water

TABLE 4E

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

RFI SAMPLING RESULTS

*** SUMMARY ***

Parameter	Sampling Event	Units	Sampling Location														Trigger Levels	
			MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	Trigger	Source
Field Parameters:																		
pH	10/98	S.U.	6.5	6.8	6.8	8.5	7.1	6.0	8.6	7.9	7.8	6.8	7.5	8.0	7.6	7.1	(none)	–
	2/99		7.2	7.1	6.9	9.5	7.5	5.7	7.2	7.6	6.9	7.7	6.4	7.2	7.6	7.0		
	5/99		NA	6.8	NA	NA	NA	NA	7.2	7.6	7.0	NA	6.8	7.1	7.4	6.7		
	8/99		7.4	7.2	8.4	6.8	7.5	6.3	7.2	7.5	6.7	6.7	7.2	7.4	7.3	7.0		
Eh (ORP)	10/98	mV	+ 235	+ 205	+ 210	+ 145	+ 60	+ 290	+ 245	+ 230	+ 235	+ 270	+ 260	- 35	+ 145	+ 170	(none)	–
	2/99		+ 230	+ 240	+ 260	+ 150	+ 205	+ 300	+ 240	+ 230	+ 255	+ 240	+ 260	- 45	+ 135	+ 230		
	5/99		NA	+ 210	NA	NA	NA	NA	- 65	+ 225	+ 235	NA	+ 195	- 55	+ 180	+ 205		
	8/99		+ 80	+ 150	+ 190	+ 65	+ 95	+ 285	+ 20	+ 165	+ 185	+ 205	+ 160	- 65	+ 130	+ 180		
Temperature	10/98	° C	19	19	18	18	19	15	16	16	16	15	16	14	18	18	(none)	–
	2/99		7	11	8	13	7	10	11	8	7	8	9	9	10	11		
	5/99		NA	14	NA	NA	NA	NA	16	15	14	NA	13	14	15	15		
	8/99		19	20	21	19	19	19	17	21	19	18	17	17	21	21		
Conductivity	10/98	µmhos/cm	210	210	320	500	610	370	500	430	790	450	540	700	2,480	510	(none)	–
	2/99		1,750	190	220	320	490	1,300	600	2,050	1,200	180	3,100	600	2,210	500		
	5/99		NA	220	NA	NA	NA	NA	620	1,980	1,300	NA	1,730	700	2,410	590		
	8/99		300	290	310	400	600	900	580	1,700	1,220	500	1,490	800	2,550	600		
Dissolved Metals:																		
Trivalent Chromium	10/98	mg/l	< 0.0030	0.153	0.0246	< 0.0030	< 0.0030	0.180	< 0.0030	< 0.0030	0.0114	0.0112	< 0.0030	< 0.0030	< 0.0030	< 0.0030	55	RBC
	2/99		NA	< 0.030	NA	NA	NA	NA	< 0.0030	< 0.0030	< 0.0030	NA	< 0.0030	NA	NA	< 0.0030		
	5/99		NA	< 0.030	NA	NA	NA	NA	< 0.0030	< 0.0030	< 0.0030	NA	< 0.0030	NA	NA	< 0.0030		
	8/99		NA	0.37	NA	NA	NA	< 0.012	< 0.0030	0.0057 J	0.011	0.0066 J	< 0.0030	NA	NA	< 0.0030		
Hexavalent Chromium	10/98	mg/l	< 0.0030	**4.72**	**0.366**	< 0.0030	< 0.0030	**0.845**	< 0.0030	< 0.0030	0.038	0.019	< 0.0030	< 0.0030	< 0.0030	< 0.0030	0.11	RBC
	2/99		NA	**3.09**	NA	NA	NA	NA	< 0.0030	0.0047 J	0.048	NA	< 0.0030	NA	NA	0.0032 J		
	5/99		NA	**3.09**	NA	NA	NA	NA	< 0.0030	< 0.0030	0.055	NA	0.0035 J	NA	NA	< 0.0030		
	8/99		NA	**4.32**	NA	NA	NA	**1.52**	< 0.0030	< 0.0030	0.042	0.044	< 0.0030	NA	NA	< 0.0030		
Arsenic	10/98	mg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.026	**0.168**	< 0.0070	0.05	MCL
	2/99		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.011	0.039	< 0.0070		
	5/99		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	< 0.0070	**0.083**	< 0.0070		
	8/99		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.0070	0.022	**0.091**	< 0.0070		

NOTES:

1. "NA" means that the subject parameter was not analyzed in accordance with the Interim RFI Summary Report.
2. "J" qualifier on data means that the parameter was detected at a concentration above the Method Detection Limit but less than the Practical Quantitation Limit. Reported values are therefore estimates.
3. Trigger Level Sources: MCL - Drinking Water Maximum Contaminant Level
   RBC - EPA Region III Risk-Based Concentrations for Tap Water
4. Bold values exceed the trigger level.

TABLE 5

OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

HISTORICAL HEXAVALENT CHROMIUM CONCENTRATIONS

Monitoring Well	Monitoring Event							
	Dec 1987	July 1988	Oct 1989	Sept 1990	Oct 1998	Feb 1999	May 1999	Aug 1999
MW-1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0030			
MW-2	10	4.2	4.0	6.2	4.72	3.09	3.09	4.32
MW-3	0.55	0.18	0.46	< 0.01	0.366			
MW-4		< 0.01	< 0.01	< 0.01	< 0.0030			
MW-5		< 0.01	< 0.01	< 0.01	< 0.0030			
MW-6			0.96		0.845			1.52
MW-7		< 0.01	< 0.01		< 0.0030	< 0.0030	< 0.0030	< 0.0030
MW-8			< 0.01		< 0.0030	0.0047 J	< 0.0030	< 0.0030
MW-9			< 0.01		0.038	0.048	0.055	0.042
MW-10			0.47		0.019			0.044
MW-11					< 0.0030	< 0.0030	0.0035 J	< 0.0030
MW-12					< 0.0030			
MW-13					< 0.0030			
MW-14					< 0.0030	0.0032 J	< 0.0030	< 0.0030

NOTES: All values are in mg/l.

Blank cells indicate that no analyses were performed (the subject well may not have been installed at the time, or the analyses were not required during the RFI).

J" qualifier means the compound was detected at a concentration greater than the Method Detection Limit (MDL) by less than the Practical Quantification Limit (PQL).

Historical data taken from Table 3.6 and Appendix E of the Existing Conditions Report.

TABLE 6
OSRAM SYLVANIA PRODUCTS INC.
WELLSBORO, PENNSYLVANIA

STATISTICAL ANALYSIS SUMMARY

Sampling Location	Date / Statistics	Trivalent Chromium (mg/l)	Hexavalent Chromium (mg/l)	Arsenic (mg/l)
MW-2	Oct-98	0.153	4.72	NA
	Feb-99	< 0.0030	3.09	NA
	May-99	< 0.0030	3.09	NA
	Aug-99	0.37	4.32	NA
	Mean	0.132	3.81	NA
	Std. Dev.	0.151	0.73	NA
	Normal?	no (note 7)	yes	NA
	95% Lower Limit	< 0.0030	2.09	NA
	95% Upper Limit	0.168	5.52	NA
MW-7	Oct-98	< 0.0030	< 0.0030	NA
	Feb-99	< 0.0030	< 0.0030	NA
	May-99	< 0.0030	< 0.0030	NA
	Aug-99	< 0.0030	< 0.0030	NA
	Mean	< 0.0030	< 0.0030	NA
	Std. Dev.	0	0	NA
	Normal?	NA	NA	NA
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	NA
MW-8	Oct-98	< 0.0030	< 0.0030	NA
	Feb-99	< 0.0030	0.0047	NA
	May-99	< 0.0030	< 0.0030	NA
	Aug-99	0.0057	< 0.0030	NA
	Mean	< 0.0030	< 0.0030	NA
	Std. Dev.	< 0.0030	< 0.0030	NA
	Normal?	NA	NA	NA
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	NA
MW-9	Oct-98	0.0114	0.038	NA
	Feb-99	< 0.0030	0.048	NA
	May-99	< 0.0030	0.055	NA
	Aug-99	0.011	0.042	NA
	Mean	0.0064	0.046	NA
	Std. Dev.	0.0049	0.006	NA
	Normal?	yes	yes	NA
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	0.0178	0.061	NA

Sampling Location	Date / Statistics	Trivalent Chromium (mg/l)	Hexavalent Chromium (mg/l)	Arsenic (mg/l)
MW-11	Oct-98	< 0.0030	< 0.0030	< 0.0070
	Feb-99	< 0.0030	< 0.0030	< 0.0070
	May-99	< 0.0030	0.0035	< 0.0070
	Aug-99	< 0.0030	< 0.0030	< 0.0070
	Mean	< 0.0030	< 0.0030	< 0.0070
	Std. Dev.	0	< 0.0030	0
	Normal?	NA	NA	NA
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	NA
MW-12	Oct-98	< 0.0030	< 0.0030	0.026
	Feb-99	NA	NA	0.0101
	May-99	NA	NA	< 0.0070
	Aug-99	NA	NA	0.022
	Mean	NA	NA	0.015
	Std. Dev.	NA	NA	0.009
	Normal?	NA	NA	yes
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	0.037
MW-13	Oct-98	< 0.0030	< 0.0030	0.168
	Feb-99	NA	NA	0.039
	May-99	NA	NA	0.082
	Aug-99	NA	NA	0.091
	Mean	NA	NA	0.095
	Std. Dev.	NA	NA	0.047
	Normal?	NA	NA	yes
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	0.204
MW-14	Oct-98	< 0.0030	< 0.0030	< 0.0070
	Feb-99	< 0.0030	0.0032	< 0.0070
	May-99	< 0.0030	< 0.0030	< 0.0070
	Aug-99	< 0.0030	< 0.0030	< 0.0070
	Mean	< 0.0030	< 0.0030	< 0.0070
	Std. Dev.	0	0	0
	Normal?	NA	NA	NA
	95% Lower Limit	NA	NA	NA
	95% Upper Limit	NA	NA	NA

NOTES:
1. For statistical purposes, "J" qualifiers have been ignored and are not shown.
2. Where duplicate samples were taken, results shown are the average of the two values.
3. For calculation purposes, non-detect values are considered to be ½ of the detection limit.
4. Mean is the arithmetic mean.
5. Normality check is based on coefficient-of-variation test (is Std. Dev. ÷ Mean < 1.0 ?)
6. 95% Limits are based on the Student's t test for normally-distributed data with 3 degrees of freedom, where 95% Lower Limit = Mean - (2.353 x Std. Dev.), and 95% Upper Limit = Mean + (2.353 x Std. Dev.)
7. For non-normally distributed data, the raw data was lognormally transformed, checked again for normality and the 95% limits were then calculated