APPENDIX D-2

Groundwater Monitoring Data

TABLE D-2A
2010 Indicator Results From the Sand and Gravel Unit

Location Code	*Hydraulic Position* [a]	*Date Collected*	*pH SU*	*Conductivity µmhos/cm@ 25 °C*	*Gross Alpha µCi/mL*	*Gross Beta µCi/mL*	*Tritium µCi/mL*
Groundwater Screening Levels [b]			***NA***	***NA***	***1.50E-08***	***1.00E-06***	***1.78E-07***
301	UP	Mar-10	6.69	1,323	3.20±2.48E-09	5.62±2.63E-09	2.84±4.80E-08
301	UP	Jun-10	6.46	1,670	-0.53±7.53E-09	1.01±0.50E-08	0.20±3.20E-08
301	UP	Sep-10	6.53	2,644	-5.73±9.37E-09	2.37±6.46E-09	-1.77±3.21E-08
301	UP	Dec-10	6.86	1,264	0.98±1.67E-09	6.90±2.05E-09	-0.16±4.70E-08
302	UP	Jun-10	6.95	4,755	-1.29±1.68E-08	1.83±1.19E-08	-1.96±4.49E-08
302	UP	Dec-10	6.93	4,520	0.00±4.52E-09	3.98±5.27E-09	1.44±4.72E-08
401	UP	Mar-10	6.76	1,645	-0.35±1.83E-09	1.86±2.78E-09	1.74±4.66E-08
401	UP	Jun-10	6.97	2,834	0.16±1.16E-08	1.31±0.78E-08	4.28±4.57E-08
401	UP	Sep-10	6.63	2,707	0.33±1.11E-08	7.69±8.03E-09	0.68±4.58E-08
401	UP	Dec-10	6.93	2,648	2.99±3.66E-09	4.72±3.41E-09	3.66±4.78E-08
402	UP	Jun-10	6.84	5,030	0.89±1.96E-08	8.34±9.80E-09	1.76±4.56E-08
402	UP	Dec-10	6.85	5,458	7.84±7.69E-09	-1.74±5.70E-09	-0.81±4.71E-08
403	UP	Jun-10	7.12	876	2.03±3.51E-09	5.31±2.23E-09	-1.56±4.48E-08
403	UP	Dec-10	6.97	756	0.00±7.95E-10	4.28±2.43E-09	0.47±4.73E-08
706	UP	Mar-10	7.21	780	0.28±3.22E-09	8.10±3.26E-09	-1.42±4.02E-08
706	UP	Jun-10	6.96	1,020	-0.26±4.09E-09	6.76±2.72E-09	2.58±4.64E-08
706	UP	Sep-10	6.67	872	0.24±4.32E-09	6.00±2.83E-09	0.98±4.56E-08
706	UP	Dec-10	6.80	734	0.55±1.01E-09	1.02±0.31E-08	0.29±3.24E-08
1302	UP	Dec-10	6.92	976	7.63±8.36E-10	2.68±2.32E-08	0.98±4.73E-08
1304	DOWN	Mar-10	7.18	2,314	-3.22±8.68E-09	7.78±4.56E-09	-3.83±4.59E-08
1304	DOWN	Jun-10	6.93	2,838	-3.42±7.41E-09	3.40±4.44E-09	-3.32±4.53E-08
1304	DOWN	Sep-10	7.35	1,475	-1.18±6.78E-09	1.64±3.52E-09	2.09±4.64E-08
1304	DOWN	Dec-10	6.83	1,482	1.00±1.72E-09	3.15±2.63E-09	-3.54±4.66E-08
103	DOWN	Mar-10	8.56	2,451	1.45±3.15E-09	2.19±0.46E-08	-1.48±4.73E-08
103	DOWN	Jun-10	8.08	2,808	0.91±1.05E-08	3.87±0.78E-08	2.50±4.77E-08
103	DOWN	Sep-10	8.35	2,004	1.33±6.51E-09	1.52±0.50E-08	2.15±3.25E-08
103	DOWN	Dec-10	8.32	1,664	1.98±2.43E-09	1.05±0.28E-08	-3.22±3.31E-08

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2A *(continued)*
2010 Indicator Results From the Sand and Gravel Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
104	DOWN	Mar-10	7.19	1,738	1.31±3.32E-09	**6.93±0.15E-05**	1.76±0.50E-07
104	DOWN	Jun-10	7.15	2,059	-0.06±1.08E-08	**7.22±0.18E-05**	5.20±4.80E-08
104	DOWN	Sep-10	7.05	2,390	1.58±2.45E-09	**7.91±0.35E-05**	1.47±0.48E-07
104	DOWN	Dec-10	7.23	2,015	2.47±6.25E-09	**6.29±0.27E-05**	1.73±0.50E-07
111	DOWN	Mar-10	6.32	684	5.39±2.44E-09	**5.97±0.16E-06**	7.66±4.88E-08
111	DOWN	Jun-10	6.63	821	3.76±5.15E-09	**6.18±0.17E-06**	2.06±4.83E-08
111	DOWN	Sep-10	7.07	1,246	4.61±2.30E-09	**7.33±0.38E-06**	8.80±4.70E-08
111	DOWN	Dec-10	6.57	798	6.61±3.58E-09	**4.55±0.20E-06**	4.46±4.82E-08
205	DOWN	Jun-10	6.95	2,463	2.94±8.84E-09	1.45±0.56E-08	-0.70±4.80E-08
205	DOWN	Dec-10	7.29	1,808	0.32±1.91E-09	8.61±2.66E-09	2.02±4.76E-08
406	DOWN	Mar-10	7.32	706	1.81±1.32E-09	6.55±2.65E-09	2.70±4.80E-08
406	DOWN	Jun-10	7.11	886	1.04±3.50E-09	6.11±2.51E-09	5.18±4.60E-08
406	DOWN	Sep-10	6.83	798	1.25±3.17E-09	4.51±2.39E-09	1.37±4.60E-08
406	DOWN	Dec-10	7.06	968	-0.17±1.02E-09	8.09±3.72E-09	0.48±4.73E-08
408	DOWN	Mar-10	7.11	3,126	0.00±5.36E-09	**2.87±0.07E-04**	1.04±0.49E-07
408	DOWN	Jun-10	7.19	3,766	-0.81±1.71E-08	**3.04±0.08E-04**	8.82±4.68E-08
408	DOWN	Sep-10	7.22	3,740	1.99±3.91E-09	**2.77±0.14E-04**	8.07±4.72E-08
408	DOWN	Dec-10	7.18	3,428	0.78±1.12E-08	**2.45±0.12E-04**	5.17±4.79E-08
501	DOWN	Mar-10	7.46	2,289	0.00±3.81E-09	**1.22±0.03E-04**	8.91±4.89E-08
501	DOWN	Jun-10	7.36	2,648	-0.47±1.14E-08	**1.13±0.03E-04**	1.02±0.47E-07
501	DOWN	Sep-10	7.26	2,726	0.91±2.51E-09	**1.11±0.05E-04**	1.18±4.59E-08
501	DOWN	Dec-10	7.36	2,568	6.68±8.87E-09	**1.23±0.06E-04**	8.71±4.73E-08
502	DOWN	Mar-10	7.40	2,089	-2.62±2.72E-09	**1.06±0.02E-04**	8.83±4.87E-08
502	DOWN	Jun-10	7.21	2,434	0.12±1.11E-08	**1.01±0.03E-04**	6.72±4.68E-08
502	DOWN	Sep-10	7.57	2,570	0.89±2.47E-09	**1.08±0.05E-04**	0.20±4.57E-08
502	DOWN	Dec-10	6.89	2,312	4.95±7.77E-09	**9.93±0.45E-05**	1.04±0.48E-07
602A	DOWN	Jun-10	6.81	792	0.40±2.94E-09	1.40±0.39E-08	**2.13±0.49E-07**
602A	DOWN	Dec-10	6.82	664	2.24±1.20E-09	9.19±2.62E-09	**2.45±0.50E-07**
604	DOWN	Jun-10	6.06	1,050	1.21±3.65E-09	6.14±2.46E-09	5.90±4.64E-08
604	DOWN	Dec-10	6.21	1,569	0.00±1.65E-09	6.58±3.00E-09	4.90±4.67E-08
8605	DOWN	Mar-10	6.79	1,258	1.24±0.48E-08	**8.63±0.22E-06**	7.72±4.76E-08
8605	DOWN	Jun-10	6.66	1,098	5.41±7.94E-09	**7.56±0.21E-06**	7.16±4.72E-08
8605	DOWN	Sep-10	6.45	2,338	1.23±0.50E-08	**4.54±0.28E-06**	3.11±4.83E-08
8605	DOWN	Dec-10	6.70	908	1.21±0.49E-08	**7.87±0.34E-06**	4.34±4.79E-08

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2A *(continued)*
2010 Indicator Results From the Sand and Gravel Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
8607	DOWN	Mar-10	6.41	1,515	2.63±6.64E-09	2.23±0.41E-08	-3.84±4.58E-08
8607	DOWN	Jun-10	6.07	1,405	-0.81±5.72E-09	2.09±0.47E-08	2.77±3.30E-08
8607	DOWN	Sep-10	6.53	1,725	0.00±7.03E-09	2.27±0.48E-08	-0.94±4.80E-08
8607	DOWN	Dec-10	6.51	1,102	2.98±7.53E-10	2.01±0.31E-08	-4.12±4.68E-08
8609	DOWN	Mar-10	6.75	1,830	1.45±2.60E-09	**1.29±0.05E-06**	1.23±0.48E-07
8609	DOWN	Jun-10	6.31	1,938	0.33±1.00E-08	**1.15±0.05E-06**	1.44±0.48E-07
8609	DOWN	Sep-10	6.62	2,112	1.27±2.49E-09	**1.35±0.12E-06**	1.64±0.51E-07
8609	DOWN	Dec-10	7.01	1,970	4.27±6.70E-09	**1.52±0.08E-06**	1.39±0.35E-07
105	DOWN	Mar-10	7.09	2,451	-1.16±3.58E-09	**8.74±0.20E-05**	1.62±0.50E-07
105	DOWN	Jun-10	7.11	2,425	-0.73±1.09E-08	**8.36±0.21E-05**	1.29±0.50E-07
105	DOWN	Sep-10	7.11	2,656	-0.95±1.86E-09	**9.04±0.42E-05**	9.99±4.73E-08
105	DOWN	Dec-10	7.14	2,458	1.00±0.85E-08	**7.20±0.32E-05**	**1.98±0.51E-07**
106	DOWN	Mar-10	6.91	1,960	-0.47±3.07E-09	**2.28±0.08E-06**	**7.03±0.58E-07**
106	DOWN	Jun-10	6.62	1,994	-2.24±9.71E-09	**2.26±0.08E-06**	**6.19±0.57E-07**
106	DOWN	Sep-10	6.64	1,950	2.17±2.46E-09	**1.88±0.15E-06**	**8.38±0.58E-07**
106	DOWN	Dec-10	6.82	1,794	4.17±5.99E-09	**1.72±0.09E-06**	**9.20±0.60E-07**
116	DOWN	Jun-10	7.08	1,791	-4.12±8.68E-09	**1.21±0.03E-05**	2.88±4.84E-08
116	DOWN	Dec-10	7.10	2,056	4.41±6.92E-09	**1.40±0.06E-05**	8.34±3.45E-08
605	DOWN	Jun-10	6.99	915	-1.38±3.14E-09	1.90±0.33E-08	6.08±4.63E-08
605	DOWN	Dec-10	6.64	579	1.10±7.18E-10	1.93±0.32E-08	4.08±4.62E-08
801	DOWN	Mar-10	6.90	1,364	-1.05±2.06E-09	**1.29±0.03E-05**	2.50±4.67E-08
801	DOWN	Jun-10	6.64	1,111	1.63±5.96E-09	**8.50±0.22E-06**	6.70±4.67E-08
801	DOWN	Sep-10	6.88	1,390	1.17±1.17E-09	**9.41±0.34E-06**	4.70±4.64E-08
801	DOWN	Dec-10	6.69	1,286	3.97±3.24E-09	**8.83±0.27E-06**	1.12±0.48E-07
802	DOWN	Mar-10	6.43	148	0.94±1.03E-09	2.72±0.26E-08	1.33±4.75E-08
802	DOWN	Jun-10	7.10	633	0.70±2.90E-09	2.16±0.11E-07	1.10±4.75E-08
802	DOWN	Sep-10	7.05	1,396	-0.05±4.89E-09	5.88±0.18E-07	5.23±4.69E-08
802	DOWN	Dec-10	6.59	520	3.94±5.13E-10	1.53±0.05E-07	5.31±4.69E-08
803	DOWN	Mar-10	6.80	1,108	0.00±5.29E-09	1.30±0.33E-08	-0.66±4.61E-08
803	DOWN	Jun-10	6.83	1,109	2.09±5.88E-09	1.14±0.41E-08	2.29±3.36E-08
803	DOWN	Sep-10	7.23	1,184	0.71±6.30E-09	6.26±3.29E-09	3.41±4.65E-08
803	DOWN	Dec-10	7.28	2,347	1.53±3.13E-09	9.00±0.42E-07	**1.99±0.49E-07**

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2A *(continued)*
2010 Indicator Results From the Sand and Gravel Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
804	DOWN	Mar-10	6.58	1,168	0.28±4.79E-09	2.06±0.12E-07	6.86±4.85E-08
804	DOWN	Jun-10	6.91	902	2.91±4.25E-09	1.56±0.09E-07	4.43±4.83E-08
804	DOWN	Sep-10	6.91	934	-2.18±4.00E-09	1.47±0.08E-07	2.13±3.30E-08
804	DOWN	Dec-10	6.46	1,276	0.23±1.52E-09	2.69±0.14E-07	4.91±4.68E-08
8603	DOWN	Jun-10	7.26	2,337	-3.27±7.94E-09	**7.02±0.12E-05**	1.70±0.50E-07
8603	DOWN	Dec-10	7.32	2,418	4.00±7.73E-09	**6.85±0.31E-05**	**1.80±0.50E-07**
8604	DOWN	Jun-10	7.20	2,034	-0.56±9.80E-09	**7.34±0.18E-05**	1.46±0.48E-07
8604	DOWN	Dec-10	7.32	2,144	5.89±7.27E-09	**6.53±0.28E-05**	1.53±0.49E-07
8612	DOWN	Mar-10	7.17	1,692	0.41±6.94E-09	6.49±3.51E-09	8.05±4.85E-08
8612	DOWN	Jun-10	7.15	1,688	-1.07±7.53E-09	2.46±4.14E-09	1.32±0.34E-07
8612	DOWN	Sep-10	7.21	1,762	-1.87±7.89E-09	4.16±4.30E-09	6.03±4.91E-08
8612	DOWN	Dec-10	7.15	1,786	1.76±2.29E-09	7.65±3.76E-09	1.07±0.49E-07
GSEEP	DOWN	Mar-10	6.84	1,197	-0.54±4.49E-09	1.78±0.33E-08	**4.72±0.38E-07**
GSEEP	DOWN	Jun-10	6.60	584	0.35±5.13E-09	1.90±0.40E-08	**3.60±0.53E-07**
GSEEP	DOWN	Sep-10	6.72	1,354	-0.91±5.24E-09	2.56±0.47E-08	**4.61±0.55E-07**
GSEEP	DOWN	Dec-10	6.88	515	1.78±9.24E-10	2.15±0.41E-08	**3.65±0.38E-07**
SP04	DOWN	Jun-10	NS	NS	1.82±7.81E-09	3.59±0.30E-07	**2.19±0.51E-07**
SP04	DOWN	Sep-10	NS	NS	4.37±7.43E-09	3.56±0.19E-07	**1.82±0.51E-07**
SP04	DOWN	Dec-10	NS	NS	1.80±2.04E-09	5.66±0.28E-07	1.19±0.35E-07
SP06	DOWN	Jun-10	NS	NS	1.06±5.23E-09	1.22±0.34E-08	1.29±0.49E-07
SP06	DOWN	Sep-10	NS	NS	-0.70±6.02E-09	3.03±0.51E-08	4.45±4.87E-08
SP06	DOWN	Dec-10	NS	NS	2.29±1.58E-09	2.62±0.46E-08	2.02±4.79E-08
SP11	DOWN	Jun-10	NS	NS	-2.52±5.71E-09	1.65±0.15E-07	4.99±4.81E-08
SP11	DOWN	Sep-10	NS	NS	-1.71±5.81E-09	1.96±0.12E-07	1.60±4.81E-08
SP11	DOWN	Dec-10	NS	NS	0.62±1.72E-09	2.15±0.13E-07	3.00±4.79E-08
SP12	DOWN	Jun-10	7.13	878	6.17±8.86E-09	2.92±0.64E-08	1.73±0.50E-07
SP12	DOWN	Sep-10	7.25	2,071	-5.53±7.45E-09	4.13±0.66E-08	9.36±4.96E-08
SP12	DOWN	Dec-10	6.69	1,018	3.36±3.08E-09	6.12±0.68E-08	1.15±0.50E-07
WP-A	DOWN	Sep-10	8.32	116	2.67±9.64E-10	1.64±0.25E-08	**1.09±0.02E-05**
WP-C	DOWN	Sep-10	7.08	640	-0.55±1.63E-09	8.72±0.44E-08	**3.50±0.11E-05**
WP-H	DOWN	Sep-10	7.03	978	1.13±1.28E-09	**5.89±0.33E-06**	**9.70±0.44E-07**

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
NS - Not sampled
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2A *(concluded)*
2010 Indicator Results From the Sand and Gravel Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
MP-01	DOWN	Jun-10	7.48	3,552	0.54±1.98E-08	**3.99±0.11E-04**	8.04±4.73E-08
MP-01	DOWN	Sep-10	7.25	3,386	2.45±2.66E-09	**3.25±0.11E-04**	-3.08±4.75E-08
MP-01	DOWN	Dec-10	7.06	3,102	0.40±1.02E-08	**3.04±0.14E-04**	-3.13±4.64E-08
MP-02	DOWN	Jun-10	7.33	3,053	-1.73±3.21E-09	**6.74±0.01E-04**	**2.54±1.21E-07**
MP-02	DOWN	Sep-10	7.06	2,406	0.48±1.05E-08	**4.13±0.01E-04**	2.79±6.33E-08
MP-02	DOWN	Dec-10	7.09	2,116	0.15±1.69E-09	**3.48±0.01E-04**	4.81±7.18E-08
MP-03	DOWN	Jun-10	7.75	2,124	0.64±1.21E-08	**2.63±0.07E-04**	1.01±0.48E-07
MP-03	DOWN	Sep-10	7.61	1,876	0.33±1.71E-09	**1.98±0.08E-04**	-0.58±4.80E-08
MP-03	DOWN	Dec-10	7.49	2,101	1.03±0.77E-08	**1.74±0.07E-04**	0.79±4.74E-08
MP-04	DOWN	Jun-10	7.44	2,459	0.81±1.39E-08	**4.68±0.12E-04**	1.07±0.48E-07
MP-04	DOWN	Sep-10	7.58	2,110	4.14±3.04E-09	**3.54±0.15E-04**	-3.63±4.71E-08
MP-04	DOWN	Dec-10	7.13	2,073	4.80±6.89E-09	**3.33±0.14E-04**	-0.98±4.68E-08

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2B
2010 Indicator Results From the Lavery Till-Sand Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
204	DOWN	Mar-10	6.95	1,585	0.91±1.97E-09	1.80±2.55E-09	0.02±4.65E-08
204	DOWN	Jun-10	7.44	1,524	-1.32±6.15E-09	5.93±4.08E-09	1.38±4.82E-08
204	DOWN	Sep-10	7.16	1,726	0.43±7.22E-09	1.46±5.49E-09	1.76±4.60E-08
204	DOWN	Dec-10	7.27	1,770	1.30±2.20E-09	2.42±2.26E-09	1.87±4.73E-08
206	DOWN	Jun-10	7.28	1,696	1.51±7.45E-09	6.85±4.71E-09	-4.51±4.76E-08
206	DOWN	Dec-10	7.25	1,920	3.18±2.85E-09	1.58±2.22E-09	0.02±4.72E-08

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2C
2010 Indicator Results From the Weathered Lavery Till Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			***NA***	***NA***	***1.50E-08***	***1.00E-06***	***1.78E-07***
908R	UP	Jun-10	6.87	1,704	6.87±6.94E-09	1.25±0.44E-08	-1.08±4.70E-08
908R	UP	Dec-10	7.22	1,815	1.23±0.46E-08	7.29±3.53E-09	-7.58±4.53E-08
1005	UP	Jun-10	7.09	790	4.44±4.82E-09	0.33±2.34E-09	-0.36±4.72E-08
1005	UP	Dec-10	6.87	792	0.89±1.16E-09	2.89±2.93E-09	1.38±4.73E-08
1008C	UP	Jun-10	7.38	622	-0.25±1.68E-09	-0.94±2.45E-09	0.40±4.73E-08
1008C	UP	Dec-10	7.34	610	6.59±8.57E-10	3.42±2.25E-09	-1.37±4.67E-08
906	DOWN	Jun-10	7.27	607	4.21±3.30E-09	4.14±3.62E-09	-3.73±4.65E-08
906	DOWN	Dec-10	7.42	647	1.59±1.22E-09	3.22±2.31E-09	0.59±4.62E-08
1006	DOWN	Jun-10	6.90	1,678	5.00±7.19E-09	6.88±4.06E-09	-1.06±4.70E-08
1006	DOWN	Dec-10	6.84	1,660	6.58±3.40E-09	2.33±2.99E-09	-1.37±4.67E-08
NDATR	DOWN	Mar-10	7.71	744	0.49±2.36E-09	8.45±0.21E-07	**1.06±0.06E-06**
NDATR	DOWN	Jun-10	7.26	1,054	1.58±4.97E-09	**1.54±0.04E-06**	**4.30±0.54E-07**
NDATR	DOWN	Sep-10	6.71	1,196	5.69±3.03E-09	**1.44±0.10E-06**	**5.39±0.56E-07**
NDATR	DOWN	Dec-10	7.99	734	3.02±2.13E-09	7.70±0.29E-07	**6.75±0.40E-07**
909	DOWN	Jun-10	6.61	1,320	0.00±6.01E-09	1.96±0.16E-07	**6.88±0.57E-07**
909	DOWN	Dec-10	6.87	1,376	**1.53±0.47E-08**	2.61±0.15E-07	**8.54±0.59E-07**

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
NS - Not sampled
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2D
2010 Indicator Results From the Unweathered Lavery Till Unit

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			*NA*	*NA*	*1.50E-08*	*1.00E-06*	*1.78E-07*
405	UP	Mar-10	7.35	1,960	0.00±2.14E-09	4.49±3.02E-09	-2.00±4.76E-08
405	UP	Jun-10	7.12	2,497	1.54±7.61E-09	9.40±4.43E-09	-1.17±4.50E-08
405	UP	Sep-10	6.97	1,694	0.67±5.98E-09	4.54±4.56E-09	0.00±4.54E-08
405	UP	Dec-10	7.07	1,244	7.61±9.85E-10	5.70±2.56E-09	4.80±4.80E-08
1303	UP	Mar-10	8.06	240	-0.13±1.05E-09	1.48±1.15E-09	-3.91±3.30E-08
1303	UP	Jun-10	7.57	245	0.44±1.34E-09	1.10±1.54E-09	-5.48±4.50E-08
1303	UP	Sep-10	7.78	272	-0.34±1.44E-09	1.95±1.82E-09	-1.30±4.56E-08
1303	UP	Dec-10	7.70	300	5.51±4.65E-10	1.94±1.45E-09	-8.96±4.52E-08
110	DOWN	Mar-10	7.05	528	3.58±7.75E-10	0.37±1.98E-09	**9.23±0.60E-07**
110	DOWN	Jun-10	7.17	524	0.41±1.75E-09	1.35±0.26E-08	**8.32±0.60E-07**
110	DOWN	Sep-10	6.80	609	1.45±2.06E-09	0.62±1.53E-09	**8.71±0.58E-07**
110	DOWN	Dec-10	7.42	576	2.62±0.91E-09	2.37±1.27E-09	**7.78±0.59E-07**
704	DOWN	Mar-10	6.59	1,292	0.18±5.98E-09	7.84±3.22E-09	-1.03±4.62E-08
704	DOWN	Jun-10	6.62	1,192	3.36±5.28E-09	8.41±3.61E-09	4.94±4.66E-08
704	DOWN	Sep-10	6.34	1,109	-2.89±5.30E-09	2.80±3.05E-09	-2.14±4.51E-08
704	DOWN	Dec-10	6.76	900	0.87±1.33E-09	3.98±3.39E-09	5.46±4.66E-08
707	DOWN	Jun-10	6.74	556	2.05±1.90E-09	2.33±2.09E-09	1.96±4.57E-08
707	DOWN	Dec-10	6.82	403	5.98±6.21E-10	3.70±1.64E-09	4.70±4.66E-08
107	DOWN	Mar-10	6.97	573	0.84±1.03E-09	1.46±0.30E-08	1.14±0.48E-07
107	DOWN	Jun-10	6.97	628	0.82±3.08E-09	1.40±0.29E-08	1.15±0.50E-07
107	DOWN	Sep-10	7.39	652	2.66±3.53E-09	1.03±0.28E-08	1.51±0.48E-07
107	DOWN	Dec-10	7.26	634	2.18±1.31E-09	1.25±0.24E-08	7.40±4.86E-08
108	DOWN	Jun-10	7.56	538	1.40±1.71E-09	3.14±2.00E-09	**2.07±0.51E-07**
108	DOWN	Dec-10	7.60	584	2.48±0.87E-09	1.34±1.23E-09	**1.95±0.50E-07**
409	DOWN	Mar-10	7.63	310	1.01±0.69E-09	1.24±1.26E-09	0.46±4.65E-08
409	DOWN	Jun-10	7.69	322	1.40±1.52E-09	3.86±1.81E-09	-2.45±3.17E-08
409	DOWN	Sep-10	7.84	346	2.34±1.76E-09	0.93±1.15E-09	-3.51±4.49E-08
409	DOWN	Dec-10	7.99	338	1.82±0.81E-09	2.10±1.47E-09	3.53±4.65E-08
910R	DOWN	Mar-10	7.15	1,402	1.48±0.32E-08	5.73±2.06E-09	-4.25±4.60E-08
910R	DOWN	Jun-10	7.10	1,546	1.23±0.74E-08	7.23±3.59E-09	-1.68±3.30E-08
910R	DOWN	Dec-10	7.12	1,600	9.69±3.80E-09	6.27±3.06E-09	-0.58±3.20E-08

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2E
2010 Indicator Results From the Kent Recessional Sequence

Location Code	Hydraulic Position [a]	Date Collected	pH SU	Conductivity µmhos/cm@ 25 °C	Gross Alpha µCi/mL	Gross Beta µCi/mL	Tritium µCi/mL
Groundwater Screening Levels [b]			**NA**	**NA**	**1.50E-08**	**1.00E-06**	**1.78E-07**
901	UP	Jun-10	7.39	438	1.86±2.08E-09	3.04±2.28E-09	-5.76±4.64E-08
901	UP	Dec-10	7.02	404	4.25±1.26E-09	4.42±1.62E-09	-0.58±4.55E-08
902	UP	Jun-10	7.84	401	0.94±2.01E-09	1.07±2.25E-09	2.18±4.71E-08
902	UP	Dec-10	8.03	408	1.48±0.85E-09	4.24±1.59E-09	3.88±4.61E-08
1008B	UP	Dec-10	7.76	376	6.48±5.94E-10	3.42±1.55E-09	-0.39±4.68E-08
903	DOWN	Jun-10	7.42	944	2.30±3.98E-09	1.72±2.48E-09	-0.85±4.68E-08
903	DOWN	Dec-10	7.52	962	1.25±1.44E-09	4.43±3.30E-09	-5.44±4.46E-08
8610	DOWN	Jun-10	7.38	1,316	-0.70±4.94E-09	7.16±3.45E-09	-3.31±4.52E-08
8610	DOWN	Dec-10	7.12	1,410	0.27±1.38E-09	4.13±2.50E-09	-8.19±4.54E-08
8611	DOWN	Jun-10	7.12	1,089	-0.92±4.31E-09	2.74±2.73E-09	-0.78±4.55E-08
8611	DOWN	Dec-10	7.35	647	3.06±2.01E-09	2.64±2.34E-09	-1.02±0.45E-07

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NA - Not applicable
SU - Standard units
[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] The GSLs for radiological constituents are set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

TABLE D-2F
2010 Metals Results for Early Warning Monitoring Well 502

Location	Date Collected	Aluminum µg/L	Iron µg/L	Manganese µg/L
502	Jun-10	882	30,400	131
	Dec-10	721	9,410	92

TABLE D-2G
2010 Results for Metals in Groundwater
Compared with WVDP Groundwater Screening Levels

Location Code	Hydraulic Position	Date Collected	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L
Groundwater Screening Levels [a]			***15.1***	***25***	***1,000***	***3***	***7.27***	***52.3***	***67.8***	***200***
Sand and Gravel Unit										
706	UP	Mar-10	<10	<10	85	<1	<5	**64**	<50	<25
706	UP	Jun-10	<10	<10	113	<1	<5	**94**	<50	<25
706	UP	Sep-10	<10	<10	<200	<1	<5	27	<50	<25
706	UP	Dec-10	<3	<10	<200	<1	<5	28	<50	<25
1302	UP	Dec-10	<3	<10	<200	<1	<5	<10	<50	<25
1304	DOWN	Mar-10	<10	<10	112	<1	<5	<10	<50	<25
1304	DOWN	Jun-10	<10	<10	160	<1	<5	<10	<50	<25
1304	DOWN	Sep-10	<10	<10	<200	<1	<5	<10	<50	<25
1304	DOWN	Dec-10	<3	<10	<200	<1	<5	<10	<50	<25
111	DOWN	Dec-10	<3	<10	<200	<1	<5	<10	<50	<25
502	DOWN	Jun-10	NS	<10	590	NS	<5	**1,760**	<50	71
502	DOWN	Dec-10	NS	<10	429	NS	<5	**589**	<50	<25
8605	DOWN	Dec-10	<3	<10	<200	<1	<5	<10	<50	<25
MP-01	DOWN	Jun-10	<3	<10	483	<1	<5	<10	<50	<25
MP-01	DOWN	Sep-10	<3	<10	444	<1	<5	<10	<50	<25
MP-01	DOWN	Dec-10	<3	<10	371	<1	<5	12	<50	<25
MP-02	DOWN	Jun-10	<3	25	618	2	<5	38	<50	83
MP-02	DOWN	Sep-10	<3	<10	202	<1	<5	<10	<50	<25
MP-02	DOWN	Dec-10	<3	<10	<200	<1	<5	22	<50	<25
MP-03	DOWN	Jun-10	<3	<10	304	<1	<5	<10	<50	<25
MP-03	DOWN	Sep-10	<3	<10	310	<1	<5	<10	<50	<25
MP-03	DOWN	Dec-10	<3	<10	253	<1	<5	<10	<50	<25
MP-04	DOWN	Jun-10	<3	<10	365	<1	<5	<10	<50	<25
MP-04	DOWN	Sep-10	<3	<10	263	<1	<5	<10	<50	<25
MP-04	DOWN	Dec-10	<3	<10	242	<1	<5	<10	<50	<25

Note: Bolding indicates a metal concentration that exceeds the GSL.
NS - Not sampled
[a] GSLs have been established by selecting the larger of the WVDP background concentrations or the 6 NYCRR TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1B).

TABLE D-2G *(continued)*
2010 Results for Metals in Groundwater
Compared with WVDP Groundwater Screening Levels

Location Code	Hydraulic Position	Date Collected	Lead µg/L	Mercury µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Tin µg/L	Vanadium µg/L	Zinc µg/L
Groundwater Screening Levels [a]			*42.7*	*0.7*	*100*	*10.1*	*50*	*13.9*	*4,083*	*69.6*	*2,000*
Sand and Gravel Unit											
706	UP	Mar-10	<3	<0.2	**161**	<5	<10	<10	<3,000	<50	<10
706	UP	Jun-10	<3	<0.2	**216**	<5	<10	<10	<3,000	<50	<10
706	UP	Sep-10	<3	<0.2	**127**	<5	<10	<10	<3,000	<50	<20
706	UP	Dec-10	<3	<0.2	**136**	<5	<10	<0.5	<3,000	<50	<20
1302	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<0.5	<3,000	<50	<20
1304	UP	Mar-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<10
1304	UP	Jun-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	11
1304	UP	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
1304	UP	Dec-10	<3	<0.2	<40	<5	<10	<0.5	<3,000	<50	<20
111	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	21
502	DOWN	Jun-10	<3	<0.2	**208**	<5	<10	NS	NS	<50	<20
502	DOWN	Dec-10	<3	<0.2	88	<5	<10	NS	NS	<50	<20
8605	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-01	DOWN	Jun-10	<3	<0.2	<40	<5	<10	<10	NA	<50	<20
MP-01	DOWN	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-01	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-02	DOWN	Jun-10	**47**	<0.2	54	<5	<10	<10	NA	<50	241
MP-02	DOWN	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-02	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	22
MP-03	DOWN	Jun-10	<3	<0.2	<40	<5	<10	<10	NA	<50	<20
MP-03	DOWN	Sep-10	7	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-03	DOWN	Dec-10	3	<0.2	<40	<5	<10	<10	<3,000	<50	20
MP-04	DOWN	Jun-10	6	<0.2	<40	<5	<10	<10	NA	<50	30
MP-04	DOWN	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
MP-04	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20

Note: Bolding indicates a metal concentration that exceeds the GSL.
NA - Not available; data were rejected; not useable
NS - Not sampled
[a] GSLs have been established by selecting the larger of the WVDP background concentrations or the 6 NYCRR TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1B).

TABLE D-2G *(concluded)*
2010 Results for Metals in Groundwater
Compared with WVDP Groundwater Screening Levels

Location Code	Hydraulic Position	Date Collected	Antimony µg/L	Arsenic µg/L	Barium µg/L	Beryllium µg/L	Cadmium µg/L	Chromium µg/L	Cobalt µg/L	Copper µg/L
Groundwater Screening Levels [a]			*15.1*	*25*	*1,000*	*3*	*7.27*	*52.3*	*67.8*	*200*
Weathered Lavery Till Unit										
NDATR	DOWN	Mar-10	<10	<10	<200	<1	<5	<10	<50	<25
NDATR	DOWN	Jun-10	<10	<10	<200	<1	<5	<10	<50	<25
NDATR	DOWN	Sep-10	<3	<10	<200	<1	<5	<10	<50	<25
NDATR	DOWN	Dec-10	<3	<10	<200	<1	<5	<10	<50	<25
909	DOWN	Dec-10	<3	17	278	<1	<5	<10	<50	<25
Unweathered Lavery Till Unit										
405	UP	Mar-10	<10	<10	110	<1	<5	**80**	<50	<25
405	UP	Jun-10	<10	<10	149	<1	<5	**102**	<50	<25
405	UP	Sep-10	<10	<10	<200	<1	<5	28	<50	<25
405	UP	Dec-10	<3	<10	<200	<1	<5	**123**	<50	<25
1303	UP	Mar-10	<10	**51**	633	3.2	<5	**86**	<50	68
1303	UP	Jun-10	<10	**38**	441	2	<5	52	<50	40
1303	UP	Sep-10	<10	<10	<200	<1	<5	<10	<50	<25
1303	UP	Dec-10	<3	11	<200	<1	<5	17	<50	<25

Location Code	Hydraulic Position	Date Collected	Lead µg/L	Mercury µg/L	Nickel µg/L	Selenium µg/L	Silver µg/L	Thallium µg/L	Tin µg/L	Vanadium µg/L	Zinc µg/L
Groundwater Screening Levels [a]			*42.7*	*0.7*	*100*	*10.1*	*50*	*13.9*	*4,083*	*69.6*	*2,000*
Weathered Lavery Till Unit											
NDATR	DOWN	Mar-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
NDATR	DOWN	Jun-10	11	<0.2	<40	<5	<10	<10	<3,000	<50	191
NDATR	DOWN	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	83
NDATR	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
909	DOWN	Dec-10	<3	<0.2	<40	<5	<10	<0.5	<3,000	<50	<20
Unweathered Lavery Till Unit											
405	UP	Mar-10	<3	<0.2	**1,610**	<5	<10	<10	<3,000	<50	<10
405	UP	Jun-10	<3	<0.2	**3,180**	<5	<10	<10	<3,000	<50	<10
405	UP	Sep-10	<3	<0.2	**1,110**	<5	<10	<10	<3,000	<50	<20
405	UP	Dec-10	<3	<0.2	**1,820**	<5	<10	<0.5	<3,000	<50	<20
1303	UP	Mar-10	41	<0.2	**122**	<5	<10	<10	<3,000	**113**	236
1303	UP	Jun-10	24	<0.2	73	<5	<10	<10	<3,000	68	153
1303	UP	Sep-10	<3	<0.2	<40	<5	<10	<10	<3,000	<50	<20
1303	UP	Dec-10	5	<0.2	<40	<5	<10	0.5	<3,000	<50	36

Note: Bolding indicates a metal concentration that exceeds the GSL.
NS - Not sampled
[a] GSLs have been established by selecting the larger of the WVDP background concentrations or the 6 NYCRR TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1B).

TABLE D-2H
2010 Radioactivity in Groundwater From Selected Monitoring Locations

Location	Hydraulic Position [a]	Date Collected	C-14 µCi/mL	Sr-90 µCi/mL	Tc-99 µCi/mL	I-129 µCi/mL	Cs-137 µCi/mL	Ra-226 µCi/mL
Groundwater Screening Levels [b]			*2.82E-08*	*5.90E-09*	*5.02E-09*	*9.61E-10*	*1.03E-08*	*1.33E-09*
Sand and Gravel Unit								
401	UP	Dec-10	0.07±3.24E-08	1.18±0.92E-09	-0.93±2.18E-09	**9.64±5.51E-10**	0.76±1.15E-09	3.48±1.57E-10
1304	UP	Dec-10	1.20±3.17E-08	6.81±9.39E-10	-0.67±1.62E-09	5.11±8.91E-10	0.34±1.40E-09	3.90±1.67E-10
406	DOWN	Dec-10	-1.07±3.19E-08	0.81±1.13E-09	0.50±2.38E-09	1.39±7.72E-10	1.15±1.41E-09	2.04±1.41E-10
408	DOWN	Dec-10	-0.57±3.21E-08	**1.05±0.01E-04**	**1.16±0.20E-08**	1.31±1.01E-09 [c]	0.97±1.72E-09	5.15±1.77E-10
501	DOWN	Dec-10	NS	**6.71±0.06.E-05**	NS	NS	NS	NS
502	DOWN	Dec-10	NS	**5.15±0.05E-05**	NS	NS	NS	NS
8609	DOWN	Dec-10	NS	**6.77±0.12E-07**	NS	NS	NS	NS
801	DOWN	Dec-10	NS	**4.69±0.15E-06**	NS	NS	NS	NS
MP-01	DOWN	Jun-10	-0.37±4.02E-08	**1.92±0.01E-04**	**2.68±0.25E-08**	-0.61±1.05E-09	-0.62±2.57E-09	NS
MP-01	DOWN	Sep-10	2.42±2.64E-08	**1.69±0.02E-04**	**3.18±0.25E-08**	1.11±1.05E-09 [c]	0.99±2.38E-09	NS
MP-01	DOWN	Dec-10	0.25±3.57E-08	**1.54±0.01E-04**	**2.56±0.35E-08**	-0.60±1.21E-09	0.75±1.76E-09	NS
MP-02	DOWN	Jun-10	-0.66±4.01E-08	**3.70±0.01E-04**	**2.71±0.27E-08**	-2.55±4.86E-10	-0.20±3.19E-09	NS
MP-02	DOWN	Sep-10	0.66±2.57E-08	**1.80±0.02E-04**	**3.25±0.25E-08**	2.72±3.51E-09	3.40±4.77E-09	NS
MP-02	DOWN	Dec-10	-2.11±3.50E-08	**1.49±0.01E-04**	**2.29±0.35E-08**	0.00±2.50E-09	-0.28±3.78E-09	NS
MP-03	DOWN	Jun-10	-2.31±2.82E-08	**1.35±0.01E-04**	**1.54±0.23E-08**	5.30±4.89E-10	-0.33±2.53E-09	NS
MP-03	DOWN	Sep-10	0.67±2.57E-08	**1.21±0.02E-04**	**2.82±0.34E-08**	0.00±1.27E-08	0.59±2.30E-09	NS
MP-03	DOWN	Dec-10	0.51±3.59E-08	**8.65±0.06E-05**	**1.47±0.31E-08**	0.00±1.51E-09	-0.37±1.61E-09	NS
MP-04	DOWN	Jun-10	0.42±2.91E-08	**2.55±0.01E-04**	**2.58±0.26E-08**	0.79±1.06E-09	0.29±2.64E-09	NS
MP-04	DOWN	Sep-10	1.45±2.60E-08	**1.86±0.02E-04**	**3.42±0.25E-08**	0.00±3.16E-09	-1.27±2.50E-09	NS
MP-04	DOWN	Dec-10	0.58±3.64E-08	**1.56±0.01E-04**	**2.93±0.37E-08**	-0.21±1.51E-09	1.70±1.92E-09	NS
Weathered Till Unit								
NDATR	DOWN	Mar-10	NS	NS	NS	**7.18±1.47E-09**	NS	NS
NDATR	DOWN	Jun-10	-0.61±2.88E-08	**8.86±0.19E-07**	1.54±1.76E-09	**1.97±0.29E-08**	3.70±2.57E-09	2.77±1.91E-10
NDATR	DOWN	Dec-10	-1.27±3.17E-08	**4.18±0.50E-07**	**5.80±2.72E-09**	**1.99±0.18E-08**	0.34±3.44E-09	2.23±1.60E-10
909	DOWN	Dec-10	-0.78±3.20E-08	**1.30±0.05E-07**	1.67±1.89E-09	**1.07±0.21E-08**	-0.10±1.34E-09	4.52±1.81E-10

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NS - Not sampled

[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.

[b] The GSLs for radiological constituents were set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

[c] Result for I-129 at wells 408 and MP-01 were qualified as "not detected" and are therefore not bolded even though the result presented is greater than the GSL.

TABLE D-2H *(continued)*
2010 Radioactivity in Groundwater From Selected Monitoring Locations

Location	Hydraulic Position [a]	Date Collected	Np-237 [b] µCi/mL	Pu-238 [b] µCi/mL	Pu-239/240 [b] µCi/mL	Pu-241 [b] µCi/mL	Am-241 [b] µCi/mL	Cm-243/244 [b] µCi/mL
Sand and Gravel Unit								
MP-01	DOWN	Jun-10	1.13±2.56E-11	-0.46±2.72E-11	1.85±2.86E-11	-0.25±1.02E-08	-1.32±1.75E-11	-1.34±1.75E-11
MP-01	DOWN	Sep-10	0.05±2.55E-11	-0.25±2.10E-11	0.54±2.16E-11	-2.77±4.80E-09	-1.34±2.15E-11	-0.90±2.15E-11
MP-01	DOWN	Dec-10	1.02±3.77E-11	0.00±2.36E-11	-1.16±2.62E-11	0.83±6.15E-09	0.19±2.51E-11	0.00±2.38E-11
MP-02	DOWN	Jun-10	2.93±3.05E-11	0.44±3.78E-11	-2.65±3.47E-11	-0.72±1.01E-08	3.93±8.31E-12	-0.43±1.18E-11
MP-02	DOWN	Sep-10	9.26±8.08E-11	-0.28±2.33E-11	2.31±3.20E-11	3.52±5.63E-09	-0.04±2.15E-11	0.10±2.23E-11
MP-02	DOWN	Dec-10	8.37±8.57E-11	0.00±2.14E-11	-0.52±2.26E-11	-1.52±5.57E-09	0.51±1.86E-11	0.00±1.86E-11
MP-03	DOWN	Jun-10	-1.16±2.04E-11	-0.56±1.55E-11	0.56±3.28E-11	-0.52±1.13E-08	0.07±1.36E-11	-0.95±1.61E-11
MP-03	DOWN	Sep-10	1.30±2.56E-11	-1.57±3.25E-11	-1.61±2.45E-11	5.18±5.04E-09	-2.29±2.07E-11	-0.21±1.73E-11
MP-03	DOWN	Dec-10	-1.26±2.86E-11	0.00±2.19E-11	1.12±2.19E-11	1.29±5.48E-09	1.15±3.41E-11	-0.49±2.12E-11
MP-04	DOWN	Jun-10	-1.35±2.05E-11	0.00±1.42E-11	0.51±1.73E-11	-0.27±1.09E-08	-1.73±2.05E-11	-0.86±1.68E-11
MP-04	DOWN	Sep-10	3.60±4.78E-11	-0.53±2.27E-11	2.76±3.79E-11	2.37±5.47E-09	-0.44±2.37E-11	0.00±2.38E-11
MP-04	DOWN	Dec-10	-0.60±2.57E-11	-0.24±1.97E-11	0.98±1.92E-11	-1.48±4.77E-09	-0.19±1.91E-11	0.90±1.76E-11

[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.
[b] Groundwater screening levels have not been established for Np-237, Pu-238, Pu-239/240, Pu-241, Am-241, or Cm-234/244.

TABLE D-2H *(concluded)*
2010 Radioactivity in Groundwater From Selected Monitoring Locations

Location	Hydraulic Position [a]	Date Collected	Ra-228 µCi/mL	U-232 µCi/mL	U-233/234 µCi/mL	U-235/236 µCi/mL	U-238 µCi/mL	Total U µg/mL
Groundwater Screening Levels [b]			*2.16E-09*	*1.38E-10*	*6.24E-10*	*8.07E-11*	*4.97E-10*	*1.34E-03*
Sand and Gravel Unit								
401	UP	Dec-10	4.12±4.14E-10	0.07±4.28E-11	1.22±1.05E-10	1.03±4.08E-11	1.18±0.94E-10	3.82±0.18E-04
1304	UP	Dec-10	2.53±4.00E-10	2.72±6.35E-11	2.38±1.37E-10	1.26±4.01E-11	9.54±8.60E-11	3.24±0.14E-04
406	DOWN	Dec-10	3.31±3.07E-10	-3.67±5.71E-11	1.98±1.39E-10	4.93±6.83E-11	1.47±1.18E-10	2.06±0.17E-04
408	DOWN	Dec-10	1.04±0.56E-09	3.98±8.00E-11	5.21±1.95E-10	0.00±3.67E-11	3.55±1.60E-10	9.49±0.28E-04
MP-01	DOWN	Jun-10	NS	4.33±9.46E-11	4.50±2.17E-10	**1.07±1.05E-10**	3.13±1.81E-10	NS
MP-01	DOWN	Sep-10	NS	8.22±7.30E-11	**7.29±2.03E-10**	1.46±2.87E-11	3.87±1.49E-10	NS
MP-01	DOWN	Dec-10	NS	1.18±0.97E-10	4.32±1.74E-10	0.92±3.64E-11	3.08±1.46E-10	NS
MP-02	DOWN	Jun-10	NS	1.26±1.48E-10	**1.07±0.34E-09**	1.35±1.25E-10 [c]	**1.22±0.36E-09**	NS
MP-02	DOWN	Sep-10	NS	3.23±4.38E-11	**7.10±1.92E-10**	7.92±6.34E-11	**5.79±1.71E-10**	NS
MP-02	DOWN	Dec-10	NS	8.05±7.34E-11	**7.09±2.00E-10**	6.95±6.43E-11	**5.75±1.81E-10**	NS
MP-03	DOWN	Jun-10	NS	-2.33±8.57E-11	6.17±2.52E-10	7.85±8.89E-11	4.44±2.11E-10	NS
MP-03	DOWN	Sep-10	NS	-2.35±4.62E-11	**8.60±2.65E-10**	5.24±7.20E-11	**6.59±2.30E-10**	NS
MP-03	DOWN	Dec-10	NS	3.19±5.19E-11	**7.64±2.21E-10**	6.65±6.52E-11	**8.58±2.35E-10**	NS
MP-04	DOWN	Jun-10	NS	0.91±1.07E-10	**1.30±0.37E-09**	**2.34±1.58E-10**	**1.11±0.34E-09**	NS
MP-04	DOWN	Sep-10	NS	6.99±7.48E-11	**1.29±0.26E-09**	**1.45±0.92E-10**	**9.71±2.29E-10**	NS
MP-04	DOWN	Dec-10	NS	8.60±9.21E-11	**1.75±0.34E-09**	**1.91±1.13E-10**	**1.40±0.30E-09**	NS
Weathered Till Unit								
NDATR	DOWN	Jun-10	8.72±6.23E-10	1.52±7.77E-11	**1.05±0.29E-09**	-0.51±4.25E-11	**1.02±0.29E-09**	**2.86±0.10E-03**
NDATR	DOWN	Dec-10	1.12±0.42E-09	0.73±5.02E-11	**1.42±0.30E-09**	7.77±7.20E-11	**1.09±0.26E-09**	**3.03±0.08E-03**
909	DOWN	Dec-10	9.28±4.48E-10	2.71±5.71E-11	**9.75±2.73E-10**	5.85±6.62E-11	**6.41±2.19E-10**	**1.69±0.06E-03**

Note: Bolding indicates a radiological concentration that exceeds the GSL.
NS - Not sampled

[a] Hydraulic position is relative to other wells within the same hydrogeologic unit.

[b] The GSLs for radiological constituents were set equal to the larger of the background concentrations or the TOGS 1.1.1 Class GA Groundwater Quality Standards (see Table D-1A).

[c] Result for U-235/236 at well MP-02 was qualified as "not detected" and are therefore not bolded even though the result presented is greater than the GSL.