

# *Appendix L*

## *Summary of NYSERDA Groundwater Monitoring Data*



*An Aerial View of the New York State-licensed Disposal Area*

**Table L-1**  
**1999 Contamination Indicator Results at SDA Monitoring Wells**

<b>Sample Location</b>	<b>Date</b>	<b>Conductivity</b> (µmhos/cm@25°C)	<b>pH</b> (standard units)	<b>Temperature</b> (°C)	<b>Turbidity</b> (NTU)
WNW1101A	June	599	7.85	12.6	1.94
WNW1101A	December	602	7.67	10.6	0.20
WNW1101B	June	570	7.88	13.5	5.29
WNW1101B	December	651	7.64	9.4	0.53
WNW1101C	June	NA	NA	NA	NA
WNW1101C	December	353	7.66	8.5	295.00
WNW1102A	June	687	8.36	12.1	4.86
WNW1102A	December	714	7.90	11.7	2.37
WNW1102B	June	657	7.51	13.4	56.10
WNW1102B	December	670	7.57	10.6	1.49
WNW1103A	June	930	7.41	12.5	> 1000.00
WNW1103A	December	893	7.47	11.6	2.21
WNW1103B	June	678	7.60	13.8	11.00
WNW1103B	December	676	7.68	9.3	0.34
WNW1104A	June	697	7.91	16.5	11.60
WNW1104A	December	620	8.04	10.8	0.40
WNW1104B	June	598	7.42	14.6	3.53
WNW1104B	December	601	7.68	10.0	0.19
WNW1105A	June	671	7.77	11.1	> 1000.00
WNW1105A	December	676	7.63	10.0	356.00
WNW1105B	June	710	7.73	12.4	>1000.00
WNW1105B	December	710	7.67	9.1	765.00
WNW1106A	June	715	7.54	11.7	1.58
WNW1106A	December	730	7.64	10.3	2.77
WNW1106A	December	730	7.64	10.3	2.77
WNW1106B	June	808	7.63	13.5	28.30
WNW1106B	December	724	7.62	10.5	9.37
WNW1107A	June	2040	7.00	12.7	6.57
WNW1107A	December	1517	6.99	12.2	0.27
WNW1108A	June	928	7.52	12.3	177.00
WNW1108A	December	908	7.04	10.0	169.00
WNW1109A	June	505	7.65	17.5	6.89
WNW1109A	December	591	7.74	11.1	11.80
WNW1109B	June	316	8.00	14.2	30.10
WNW1109B	December	467	7.86	10.5	8.94
WNW1111A	June	991	7.33	11.5	4.65
WNW1111A	June	991	7.33	11.5	4.65
WNW1111A	December	985	7.38	10.0	0.92

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.

**Table L-2**  
**1999 Radiological Indicator Results at SDA Monitoring Wells ( $\mu\text{Ci}/\text{mL}$ )**

<b>Sample Location</b>	<b>Date</b>	<b>Gross Alpha</b>	<b>Gross Beta</b>	<b>H-3</b>
WNW1101A	June	2.68±1.90E-09	2.58±1.10E-09	8.05±6.90E-08
WNW1101A	December	3.10±1.60E-09	3.89±1.10E-09	1.02±0.71E-07
WNW1101B	June	1.66±1.50E-09	2.77±1.10E-09	-0.91±6.60E-08
WNW1101B	December	5.27±2.20E-09	2.87±1.00E-09	1.88±6.70E-08
WNW1101C	June	4.90±7.70E-10	1.35±0.72E-09	-2.36±6.50E-08
WNW1101C	December	2.42±1.10E-09	2.79±0.91E-09	4.79±6.90E-08
WNW1102A	June	3.45±1.60E-09	2.30±1.10E-09	2.47±0.76E-07
WNW1102A	December	2.56±1.60E-09	3.03±1.10E-09	3.07±0.79E-07
WNW1102B	June	1.06±1.10E-09	1.69±1.00E-09	-4.96±6.40E-08
WNW1102B	December	0.89±1.00E-09	3.59±1.10E-09	-1.65±6.60E-08
WNW1103A	June	4.92±3.20E-09	5.28±1.90E-09	5.54±0.89E-07
WNW1103A	December	6.37±2.80E-09	4.58±1.50E-09	4.28±0.85E-07
WNW1103B	June	1.68±1.10E-09	2.63±0.96E-09	-0.08±6.60E-08
WNW1103B	December	1.79±1.20E-09	2.95±1.00E-09	5.43±6.90E-08
WNW1103C	June	1.62±1.00E-09	NA	4.22±6.70E-08
WNW1103C	December	2.14±1.40E-09	1.28±0.42E-08	1.82±6.80E-08
WNW1104A	June	2.69±1.50E-09	2.67±1.10E-09	1.73±0.73E-07
WNW1104A	December	2.71±1.60E-09	2.44±0.95E-09	1.71±0.74E-07
WNW1104B	June	3.38±2.10E-09	2.67±1.00E-09	-3.97±6.40E-08
WNW1104B	December	1.67±1.20E-09	3.51±0.95E-09	0.67±6.60E-08
WNW1104C	June	4.85±4.40E-09	8.83±3.50E-09	2.74±6.70E-08
WNW1104C	December	6.63±5.20E-09	9.13±4.00E-09	3.58±6.80E-08
WNW1105A	June	3.62±1.80E-09	1.93±0.98E-09	9.58±7.00E-08
WNW1105A	December	4.08±1.50E-09	2.95±0.95E-09	1.84±0.73E-07
WNW1105B	June	2.91±1.60E-09	2.26±1.10E-09	-3.06±6.50E-08
WNW1105B	December	3.44±1.40E-09	3.66±0.96E-09	2.25±6.60E-08
WNW1106A	June	3.96±2.30E-09	2.48±1.10E-09	6.51±0.93E-07
WNW1106A	December	3.37±1.40E-09	4.65±1.10E-09	7.09±0.96E-07
WNW1106A	December	3.38±1.40E-09	3.58±1.00E-09	6.79±0.95E-07
WNW1106B	June	1.15±1.00E-09	1.22±0.80E-09	-1.48±6.50E-08
WNW1106B	December	8.02±7.20E-10	2.82±1.00E-09	4.72±6.70E-08
WNW1107A	June	5.85±2.90E-09	2.07±0.41E-08	1.50±0.07E-05
WNW1107A	December	9.11±3.60E-09	1.17±0.29E-08	1.27±0.06E-05
WNW1108A	June	6.68±3.40E-09	5.44±1.60E-09	1.13±0.71E-07
WNW1108A	December	5.56±2.00E-09	4.12±1.30E-09	8.65±6.90E-08
WNW1109A	June	4.19±2.30E-09	3.13±1.00E-09	2.95±0.79E-07
WNW1109A	December	4.11±1.40E-09	3.67±0.95E-09	3.46±0.80E-07
WNW1109B	June	6.44±9.00E-10	1.31±0.72E-09	5.91±0.90E-07
WNW1109B	December	1.46±0.71E-09	1.85±0.65E-09	4.83±0.86E-07
WNW1110A	June	7.72±2.70E-09	8.36±1.90E-09	1.49±0.72E-07
WNW1110A	December	1.13±0.37E-08	8.81±2.20E-09	5.80±6.70E-08
WNW1111A	June	8.67±4.20E-09	4.24±1.90E-09	2.19±0.75E-07
WNW1111A	June	4.98±3.10E-09	4.01±1.90E-09	1.94±0.74E-07
WNW1111A	December	4.42±1.80E-09	5.45±1.60E-09	2.14±0.74E-07

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA- Not available.

**Table L-3**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci}/\text{mL}$ )**

Sample Location	Date	Actinium-228	Bismuth-214	Carbon-14	Cesium-134
WNW1101A	June	1.59±1.50E-08	0.67±1.00E-08	-0.04±5.30E-09	-3.89±4.30E-09
WNW1101A	December	NA	NA	NA	NA
WNW1101B	June	-1.46±1.90E-08	0.50±1.00E-08	3.41±5.30E-09	-4.86±4.10E-09
WNW1101B	December	NA	NA	NA	NA
WNW1101C	June	-0.02±1.70E-08	2.64±8.10E-09	6.28±5.40E-09	-2.75±4.00E-09
WNW1101C	December	NA	NA	NA	NA
WNW1102A	June	0.23±2.00E-08	-0.02±1.00E-08	1.39±5.30E-09	-1.74±4.50E-09
WNW1102A	December	NA	NA	NA	NA
WNW1102B	June	0.42±1.60E-08	-0.87±8.80E-09	1.93±5.30E-09	0.56±4.20E-09
WNW1102B	December	NA	NA	NA	NA
WNW1103A	June	0.57±1.70E-08	-2.43±9.30E-09	6.08±5.40E-09	-1.09±4.20E-09
WNW1103A	December	NA	NA	NA	NA
WNW1103B	June	-1.12±1.90E-08	-5.21±8.20E-09	5.37±5.40E-09	2.31±4.20E-09
WNW1103B	December	NA	NA	NA	NA
WNW1104A	June	-2.04±1.70E-08	2.06±7.80E-09	1.46±5.30E-09	-0.47±4.20E-09
WNW1104A	December	NA	NA	NA	NA
WNW1104B	June	1.95±1.80E-08	0.27±1.10E-08	4.44±5.40E-09	-7.76±5.20E-09
WNW1104B	December	NA	NA	NA	NA
WNW1104C	June	-5.12±6.80E-08	2.25±3.40E-08	NA	-2.20±1.70E-08
WNW1104C	December	NA	NA	NA	NA
WNW1105A	June	-0.66±2.00E-08	0.08±1.10E-08	2.73±5.30E-09	-0.65±5.20E-09
WNW1105A	December	NA	NA	NA	NA
WNW1105B	June	0.90±1.70E-08	8.81±8.70E-09	1.09±5.30E-09	-1.71±4.30E-09
WNW1105B	December	NA	NA	NA	NA
WNW1106A	June	-1.08±1.90E-08	0.19±1.10E-08	NA	-4.11±4.30E-09
WNW1106A	December	NA	NA	-2.17±2.70E-08	NA
WNW1106A	December	NA	NA	0.41±1.10E-08	NA
WNW1106B	June	1.10±1.90E-08	0.84±1.10E-08	3.55±5.40E-09	-6.82±5.50E-09
WNW1106B	December	NA	NA	NA	NA
WNW1107A	June	-0.09±1.80E-08	-1.26±8.60E-09	-0.51±5.20E-09	0.60±4.70E-09
WNW1107A	December	NA	NA	NA	NA
WNW1108A	June	-0.22±2.10E-08	3.23±9.60E-09	1.04±5.30E-09	2.06±4.10E-09
WNW1108A	December	NA	NA	NA	NA

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA- Not available.

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

<b>Sample Location</b>	<b>Date</b>	<b>Actinium-228</b>	<b>Bismuth-214</b>	<b>Carbon-14</b>	<b>Cesium-134</b>
WNW1109A	<i>June</i>	1.73±2.10E-08	-0.28±1.10E-08	3.92±5.30E-09	-0.02±4.80E-09
WNW1109A	<i>December</i>	NA	NA	NA	NA
WNW1109B	<i>June</i>	0.21±2.20E-08	0.12±1.00E-08	3.84±5.30E-09	-5.13±4.90E-09
WNW1109B	<i>December</i>	NA	NA	NA	NA
WNW1110A	<i>June</i>	-0.91±1.50E-08	-0.67±1.10E-08	NA	-2.74±4.90E-09
WNW1110A	<i>December</i>	NA	NA	-0.42±2.00E-08	NA
WNW1111A	<i>June</i>	-0.51±1.70E-08	3.56±9.10E-09	2.95±5.40E-09	-4.56±4.50E-09
WNW1111A	<i>June</i>	-1.53±1.60E-08	4.71±9.80E-09	NA	-6.13±4.70E-09
WNW1111A	<i>December</i>	NA	NA	NA	NA

*All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA- Not available.*

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci}/\text{mL}$ )**

Sample Location	Date	Cesium-137	Cobalt-57	Cobalt-60	Iodine-129
WNW1101A	June	-2.43±4.80E-09	-1.38±1.90E-08	0.56±4.00E-09	-0.90±1.50E-10
WNW1101A	December	NA	NA	NA	NA
WNW1101B	June	-1.91±4.40E-09	1.77±1.80E-08	-0.08±4.60E-09	1.05±1.20E-10
WNW1101B	December	NA	NA	NA	NA
WNW1101C	June	-1.15±3.90E-09	-0.06±1.80E-08	0.03±2.90E-09	-0.18±1.40E-10
WNW1101C	December	NA	NA	NA	NA
WNW1102A	June	-2.53±4.10E-09	-1.30±1.80E-08	0.86±5.80E-09	-0.68±1.40E-10
WNW1102A	December	NA	NA	NA	NA
WNW1102B	June	1.71±4.30E-09	-1.41±1.90E-08	-0.88±3.50E-09	-0.87±1.60E-10
WNW1102B	December	NA	NA	NA	NA
WNW1103A	June	1.14±4.40E-09	-0.27±1.80E-08	3.28±3.50E-09	1.43±1.50E-10
WNW1103A	December	NA	NA	NA	NA
WNW1103B	June	1.46±4.80E-09	0.06±2.00E-08	1.23±4.90E-09	-0.15±1.30E-10
WNW1103B	December	NA	NA	NA	NA
WNW1104A	June	1.47±3.80E-09	0.03±2.20E-08	-0.91±6.10E-09	0.34±1.40E-10
WNW1104A	December	NA	NA	NA	NA
WNW1104B	June	0.46±5.30E-09	0.76±2.30E-08	-2.65±4.70E-09	0.59±1.30E-10
WNW1104B	December	NA	NA	NA	NA
WNW1104C	June	0.78±1.70E-08	-4.29±8.20E-08	-0.56±2.00E-08	NA
WNW1104C	December	NA	NA	NA	NA
WNW1105A	June	0.76±4.50E-09	0.00±2.10E-08	-2.61±5.10E-09	0.53±1.40E-10
WNW1105A	December	NA	NA	NA	NA
WNW1105B	June	-3.46±3.60E-09	0.73±1.80E-08	-0.74±4.30E-09	-0.42±1.40E-10
WNW1105B	December	NA	NA	NA	NA
WNW1106A	June	-0.56±5.20E-09	-1.74±1.80E-08	-1.34±3.90E-09	0.46±1.70E-10
WNW1106A	December	NA	NA	NA	NA
WNW1106B	June	-3.33±5.20E-09	-2.10±2.40E-08	-0.53±4.40E-09	-0.54±1.40E-10
WNW1106B	December	NA	NA	NA	NA
WNW1107A	June	1.74±4.10E-09	0.27±1.90E-08	1.82±5.10E-09	0.21±1.50E-10
WNW1107A	December	NA	NA	NA	NA
WNW1108A	June	0.61±5.40E-09	-0.97±1.70E-08	1.14±5.20E-09	0.54±1.40E-10
WNW1108A	December	NA	NA	NA	NA
WNW1109A	June	-2.27±5.10E-09	-0.36±2.40E-08	-0.26±5.00E-09	-0.23±1.30E-10
WNW1109A	December	NA	NA	NA	NA

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

Sample Location	Date	Cesium-137	Cobalt-57	Cobalt-60	Iodine-129
WNW1109B	June	3.86±4.40E-09	-2.03±2.40E-08	0.49±3.70E-09	-0.99±1.50E-10
WNW1109B	December	NA	NA	NA	NA
WNW1110A	June	-3.62±4.60E-09	-1.26±2.50E-08	2.13±4.90E-09	NA
WNW1110A	December	NA	NA	NA	NA
WNW1111A	June	2.83±4.60E-09	0.30±1.60E-08	3.06±4.30E-09	0.59±1.40E-10
WNW1111A	June	-0.64±4.30E-09	-0.50±2.30E-08	2.96±4.80E-09	0.28±1.10E-10
WNW1111A	December	NA	NA	NA	NA

*All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.*

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci}/\text{mL}$ )**

<b>Sample Location</b>	<b>Date</b>	<b>Lead-212</b>	<b>Lead-214</b>	<b>Potassium-40</b>	<b>Radium-224</b>
WNW1101A	June	-7.22±6.20E-09	9.87±8.40E-09	-2.11±1.00E-07	-7.43±6.30E-09
WNW1101A	December	NA	NA	NA	NA
WNW1101B	June	2.31±6.90E-09	-4.97±7.90E-09	-0.94±9.60E-08	2.38±7.10E-09
WNW1101B	December	NA	NA	NA	NA
WNW1101C	June	-2.66±6.40E-09	7.58±7.80E-09	-4.05±7.80E-08	-2.73±6.60E-09
WNW1101C	December	NA	NA	NA	NA
WNW1102A	June	-0.32±6.40E-09	-3.15±9.20E-09	-6.57±9.50E-08	-0.33±6.60E-09
WNW1102A	December	NA	NA	NA	NA
WNW1102B	June	-1.43±6.70E-09	-4.25±7.50E-09	-4.21±7.80E-08	-1.47±6.90E-09
WNW1102B	December	NA	NA	NA	NA
WNW1103A	June	-3.70±6.10E-09	6.18±8.10E-09	-1.53±1.00E-07	-3.81±6.30E-09
WNW1103A	December	NA	NA	NA	NA
WNW1103B	June	-3.69±6.30E-09	2.07±9.20E-09	-5.75±6.70E-08	-3.80±6.40E-09
WNW1103B	December	NA	NA	NA	NA
WNW1104A	June	1.38±6.80E-09	-4.86±9.90E-09	-3.30±6.80E-08	1.42±7.00E-09
WNW1104A	December	NA	NA	NA	NA
WNW1104B	June	5.75±7.60E-09	2.45±9.80E-09	0.00±1.00E-07	5.92±7.90E-09
WNW1104B	December	NA	NA	NA	NA
WNW1104C	June	0.23±2.60E-08	1.74±3.20E-08	-0.64±3.20E-07	0.25±2.80E-08
WNW1104C	December	NA	NA	NA	NA
WNW1105A	June	-1.07±7.10E-09	7.11±9.00E-09	4.93±9.50E-08	-1.10±7.20E-09
WNW1105A	December	NA	NA	NA	NA
WNW1105B	June	-3.95±6.60E-09	4.46±9.60E-09	-2.44±8.40E-08	-4.06±6.80E-09
WNW1105B	December	NA	NA	NA	NA
WNW1106A	June	7.46±7.20E-10	-2.14±7.80E-09	5.04±9.60E-08	0.77±7.40E-09
WNW1106A	December	NA	NA	NA	NA
WNW1106B	June	0.28±7.20E-09	4.47±8.80E-09	0.19±1.00E-07	0.29±7.40E-09
WNW1106B	December	NA	NA	NA	NA
WNW1107A	June	0.83±6.60E-09	-3.37±9.00E-09	-4.58±5.90E-08	0.85±6.80E-09
WNW1107A	December	NA	NA	NA	NA
WNW1108A	June	7.58±7.60E-09	-7.23±8.60E-09	-4.24±9.00E-08	7.81±7.80E-09
WNW1108A	December	NA	NA	NA	NA
WNW1109A	June	-1.39±7.80E-09	5.83±9.80E-09	-8.91±9.70E-08	-1.43±8.00E-09
WNW1109A	December	NA	NA	NA	NA

All data in Tables L-1 through L-3 have been provided by NYSEERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

<b>Sample Location</b>	<b>Date</b>	<b>Lead-212</b>	<b>Lead-214</b>	<b>Potassium-40</b>	<b>Radium-224</b>
WNW1109B	<i>June</i>	-3.07 $\pm$ 7.90E-09	-3.41 $\pm$ 9.70E-09	2.48 $\pm$ 9.40E-08	-3.16 $\pm$ 8.20E-09
WNW1109B	<i>December</i>	NA	NA	NA	NA
WNW1110A	<i>June</i>	-3.22 $\pm$ 6.50E-09	-2.33 $\pm$ 9.60E-09	0.16 $\pm$ 6.10E-08	-3.44 $\pm$ 7.00E-09
WNW1110A	<i>December</i>	NA	NA	NA	NA
WNW1111A	<i>June</i>	-8.65 $\pm$ 6.60E-09	5.75 $\pm$ 8.80E-09	-5.26 $\pm$ 7.80E-08	-8.89 $\pm$ 6.70E-09
WNW1111A	<i>June</i>	-1.04 $\pm$ 0.72E-08	-4.29 $\pm$ 8.40E-09	3.09 $\pm$ 7.10E-08	-1.07 $\pm$ 0.74E-08
WNW1111A	<i>December</i>	NA	NA	NA	NA

*All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.*

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

Sample Location	Date	Radium-226	Strontium-90	Technetium-99	Thallium-208
WNW1101A	June	0.67±1.00E-08	0.06±1.90E-10	0.88±1.20E-09	-7.04±4.70E-09
WNW1101A	December	NA	NA	NA	NA
WNW1101B	June	0.50±1.00E-08	-0.40±1.90E-10	0.13±1.30E-09	-0.58±4.80E-09
WNW1101B	December	NA	NA	NA	NA
WNW1101C	June	2.64±8.10E-09	1.01±2.00E-10	NA	1.99±5.50E-09
WNW1101C	December	NA	NA	-2.08±3.50E-09	NA
WNW1102A	June	-0.01±1.00E-08	0.81±1.90E-10	0.81±1.30E-09	-2.94±5.40E-09
WNW1102A	December	NA	NA	NA	NA
WNW1102B	June	-0.87±8.80E-09	-0.69±2.20E-10	-0.09±1.20E-09	5.20±4.30E-09
WNW1102B	December	NA	NA	NA	NA
WNW1103A	June	-2.46±9.20E-09	0.47±2.10E-10	0.30±1.30E-10	-2.97±5.10E-09
WNW1103A	December	NA	NA	NA	NA
WNW1103B	June	-5.21±8.20E-09	0.32±2.00E-10	0.66±1.30E-09	4.84±4.70E-09
WNW1103B	December	NA	NA	NA	NA
WNW1104A	June	2.03±7.80E-09	2.32±2.40E-10	0.58±1.30E-09	0.55±3.40E-09
WNW1104A	December	NA	NA	NA	NA
WNW1104B	June	0.27±1.10E-08	0.30±2.20E-10	0.36±1.30E-09	8.35±5.80E-09
WNW1104B	December	NA	NA	NA	NA
WNW1104C	June	2.24±3.40E-08	NA	NA	1.19±1.60E-08
WNW1104C	December	NA	NA	NA	NA
WNW1105A	June	0.08±1.10E-08	1.34±2.40E-10	1.39±1.30E-09	-2.12±6.30E-09
WNW1105A	December	NA	NA	NA	NA
WNW1105B	June	8.84±8.70E-09	0.21±2.60E-10	1.80±1.30E-09	0.06±4.70E-09
WNW1105B	December	NA	NA	NA	NA
WNW1106A	June	0.20±1.10E-08	1.45±2.20E-10	1.17±1.30E-09	-0.21±5.60E-09
WNW1106A	December	NA	NA	NA	NA
WNW1106B	June	0.84±1.10E-08	0.03±2.00E-10	1.27±1.30E-09	4.33±4.80E-09
WNW1106B	December	NA	NA	NA	NA
WNW1107A	June	-1.30±8.60E-09	1.27±0.30E-08	0.65±1.20E-09	4.14±4.10E-09
WNW1107A	December	NA	NA	NA	NA
WNW1108A	June	3.18±9.60E-09	0.81±2.20E-10	1.01±1.30E-09	1.51±5.50E-09
WNW1108A	December	NA	NA	NA	NA
WNW1109A	June	-0.28±1.10E-08	1.90±2.30E-10	0.23±1.30E-09	6.16±5.30E-09
WNW1109A	December	NA	NA	NA	NA

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

<b>Sample Location</b>	<b>Date</b>	<b>Radium-226</b>	<b>Strontium-90</b>	<b>Technetium-99</b>	<b>Thallium-208</b>
WNW1109B	<i>June</i>	0.13±1.00E-08	1.69±2.10E-10	-0.16±1.20E-09	-2.96±5.10E-09
WNW1109B	<i>December</i>	NA	NA	NA	NA
WNW1110A	<i>June</i>	-0.66±1.10E-08	NA	NA	-0.83±4.50E-09
WNW1110A	<i>December</i>	NA	NA	NA	NA
WNW1111A	<i>June</i>	3.51±9.10E-09	-0.88±1.80E-10	1.16±1.30E-09	4.25±4.70E-09
WNW1111A	<i>June</i>	4.69±9.80E-09	0.96±3.30E-10	0.73±1.20E-09	2.14±4.30E-09
WNW1111A	<i>December</i>	NA	NA	NA	NA

*All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA- Not available.*

**Table L-3 (continued)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci}/\text{mL}$ )**

Sample Location	Date	Thorium-234	Uranium-235	Uranium-238
WNW1101A	June	1.32±6.10E-07	-0.93±1.70E-08	NA
WNW1101A	December	NA	NA	NA
WNW1101B	June	4.18±7.50E-07	-0.42±1.70E-08	NA
WNW1101B	December	NA	NA	NA
WNW1101C	June	0.50±6.20E-07	0.24±1.60E-08	NA
WNW1101C	December	NA	NA	NA
WNW1102A	June	4.36±7.80E-07	0.22±1.80E-08	NA
WNW1102A	December	NA	NA	NA
WNW1102B	June	2.29±6.60E-07	0.86±1.60E-08	NA
WNW1102B	December	NA	NA	NA
WNW1103A	June	-5.29±6.30E-07	0.68±1.70E-08	NA
WNW1103A	December	NA	NA	NA
WNW1103B	June	-0.18±7.50E-07	0.14±2.00E-08	NA
WNW1103B	December	NA	NA	NA
WNW1104A	June	5.92±6.30E-07	0.33±2.10E-08	NA
WNW1104A	December	NA	NA	NA
WNW1104B	June	1.48±8.40E-07	0.09±2.30E-08	NA
WNW1104B	December	NA	NA	NA
WNW1104C	June	0.06±2.70E-06	0.87±7.60E-08	NA
WNW1104C	December	NA	NA	NA
WNW1105A	June	3.08±7.60E-07	1.19±2.10E-08	NA
WNW1105A	December	NA	NA	NA
WNW1105B	June	0.06±5.80E-07	2.05±1.60E-08	NA
WNW1105B	December	NA	NA	NA
WNW1106A	June	9.98±7.30E-07	1.02±1.80E-08	NA
WNW1106A	December	NA	NA	NA
WNW1106B	June	1.63±8.60E-07	0.93±2.30E-08	NA
WNW1106B	December	NA	NA	NA
WNW1107A	June	-1.03±6.50E-07	1.26±2.00E-08	NA
WNW1107A	December	NA	NA	NA
WNW1108A	June	0.66±5.90E-07	0.21±1.90E-08	NA
WNW1108A	December	NA	NA	NA
WNW1109A	June	3.41±8.30E-07	-1.20±2.30E-08	NA
WNW1109A	December	NA	NA	NA

All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA - Not available.

**Table L-3 (concluded)**  
**1999 Radioisotopic Results at SDA Monitoring Wells ( $\mu\text{Ci/mL}$ )**

Sample Location	Date	Thorium-234	Uranium-235	Uranium-238
WNW1109B	June	7.46 $\pm$ 7.70E-07	0.44 $\pm$ 1.80E-08	1.06 $\pm$ 0.80E-07
WNW1109B	December	NA	NA	NA
WNW1110A	June	-0.25 $\pm$ 6.50E-07	-1.39 $\pm$ 2.00E-08	NA
WNW1110A	December	NA	NA	NA
WNW1111A	June	-1.62 $\pm$ 7.30E-07	1.17 $\pm$ 1.50E-08	NA
WNW1111A	June	2.17 $\pm$ 7.50E-07	0.01 $\pm$ 2.00E-08	NA
WNW1111A	December	NA	NA	NA

*All data in Tables L-1 through L-3 have been provided by NYSERDA. Some scheduled analyses could not be performed because of insufficient sample volume. NA- Not available.*