

Table 7.6. Summary of the groundwater surveillance program at ORNL, 1995

WAG	Regulatory status	Wells		Parameters monitored ^a	Frequency and last date sampled
		Upgradient	Downgradient		
<i>Bethel Valley</i>					
1	CERCLA and DOE Orders 5400.1 and 5400.5	3	24	Standard	Rotation March 1995
3	DOE Orders 5400.1 and 5400.5	3	12	Standard	Rotation May 1995
17	DOE Orders 5400.1 and 5400.5	4	4	Standard	Rotation April 1995
<i>Melton Valley</i>					
2	CERCLA and DOE Orders 5400.1 and 5400.5	12	8	Standard	Rotation February 1995
4	CERCLA and DOE Orders 5400.1 and 5400.5	4	11	Standard	Rotation January 1995
5	CERCLA and DOE Orders 5400.1 and 5400.5	2	20	Standard	Rotation June 1995
6	RCRA/CERCLA and DOE Orders 5400.1 and 5400.5	7	17	Volatile organics, gross alpha, gross beta, ³ H, ¹³⁷ Cs, ⁶⁰ Co, total rad Sr standard field measurements	Baseline monitoring: January 1995–September 1995, 8 wells quarterly, 16 wells semiannually; Routine monitoring: October–December 1995, 12 wells semiannually
7	CERCLA and DOE Orders 5400.1 and 5400.5	2	14	Standard	Rotation August 1995
8 and 9	DOE Orders 5400.1 and 5400.5	2	9	Standard ^b	Rotation November 1995
<i>White Wing Scrap Yard</i>					
11	DOE Orders 5400.1 and 5400.5	6	5	Standard	Rotation September 1995

^aStandard: volatile and semivolatile organics, total organic carbon, total organic halides, metals, anions, total phenolics, total suspended solids, alkalinity, gross alpha and beta, ³H, ¹³⁷Cs, ⁶⁰Co, and total radioactive strontium. Standard field measurements: pH, conductivity, turbidity, oxidation/reduction potential, temperature, and dissolved oxygen.

^bSuite modified to discontinue semivolatile sample collection and analysis.