

**Table 7.4. Regulatory status and operational history of waste management units included in the 1995 Comprehensive Groundwater Monitoring Program; Chestnut Ridge Hydrogeologic Regime**

Site	Historical/current regulatory classification <sup>a</sup>	Historical data
Chestnut Ridge Sediment Disposal Basin	TSD/TSD-Study Area	Operated from 1973 to 1989. Received soil and sediment from New Hope Pond and mercury-contaminated soils from the Y-12 Plant. Site was closed under RCRA in 1989. Not a documented source of groundwater contamination.
Kerr Hollow Quarry	TSD/TSD-Study Area	Operated from 1940s to 1988. Used for the disposal of reactive materials, compressed gas cylinders, and various debris. RCRA closure (waste removal) was conducted between 1990 and 1993. Certification of closure with some wastes remaining in place was approved by TDEC 2/95.
Chestnut Ridge Security Pits	TSD/TSD-CR OU 1	Operated from 1973 to 1988. Series of trenches for disposal of classified materials, liquid wastes, thorium, uranium, heavy metals and various debris. Closed under RCRA in 1989. Infiltration is the primary release mechanism to groundwater.
East Chestnut Ridge Waste Pile	TSD/TSD	An active, lined, RCRA-permitted hazardous waste storage facility for contaminated soils from the Y-12 Plant.
Ash Disposal Basin	SWMU/CR OU 2	Used until 1967. Site received Y-12 Steam Plant coal ash slurries. Leaching of metals to groundwater are of concern.
United Nuclear Corporation Site	SWMU/CR OU 3	Received about 29,000 drums of cement-fixed sludges and soils demolition materials, and low-level radioactive contaminated soils. Closed in 1992, CERCLA ROD has been issued.
Rogers Quarry	SWMU/CR OU 4	Used from 1960s until 1993 for disposal of steam-plant coal ash and process debris. Metals contaminants are of primary concern.
Chestnut Ridge Borrow Area Waste Pile	Not regulated/Study Area	Contains soils from off-site locations in Oak Ridge bearing low levels of mercury and other metals.
Centralized Sanitary Landfill II	TDEC-permitted Class II industrial SWDF	Central sanitary landfill for the ORR. Detection monitoring under TDEC-SWM regulations has been ongoing since 1986.
Industrial Landfill IV	TDEC-permitted Class II industrial SWDF	Permitted to receive only, nonhazardous industrial solid wastes. Detection monitoring under TDEC-SWM regulations has been ongoing since 1988.
Industrial Landfill V	TDEC-permitted Class II industrial SWDF	New facility completed 4/94. Baseline groundwater monitoring began 5/93 and was completed 1/95. Currently under TDEC-SWM detection monitoring.
Construction/Demolition Landfill VI	TDEC-permitted Class IV construction/demolition SWDF	New facility completed 12/93. Baseline groundwater quality monitoring began 5/93 and was completed 12/93. Waste disposal began 4/94. Currently under permit-required detection monitoring per TDEC.
Construction/Demolition Landfill VI	TDEC-permitted Class IV construction/demolition SWDF	New facility, construction completed in 12/94. TDEC granted approval to operate 1/95. Baseline groundwater quality monitoring began in 5/93 and was completed in 1/95. Currently under permit-required detection monitoring per TDEC.

<sup>a</sup>Regulatory classification before the 1992 Federal Facilities Agreement: TSD—RCRA regulated, land-based treatment, storage, or disposal facility; SWMU—RCRA-regulated solid waste management unit. Current regulatory status: study area—Y-12 Plant study area; CR OU 1—Chestnut Ridge Operable Unit 1; CR OU 2—Chestnut Ridge Operable Unit 2; CR OU 3—Chestnut Ridge Operable Unit 3; CR OU 4—Chestnut Ridge Operable Unit 4; SWDF—solid waste disposal facility (active landfill).