## APPENDIX D ADDITIONAL DATA ON DEPARTMENT OF ENERGY SITES

State	Installation/Site	Program <sup>2</sup>	Status <sup>3</sup>	No. of Operable Units <sup>3,4</sup>	Estimated Budget FY 1997 (millions) <sup>3</sup>	Estimated Life-Cycle Cost (millions) <sup>3</sup>	
AK	Project Chariot	ER		RA complete			
AZ	Monument Valley Site	ER/UMTRA		RA c	omplete (surface)		
Tuba City Site ER/UMTRA			RA c	omplete (surface)			
CA	Energy Technology Engineering Center	ER (including D&D)	RA, D&D ongoing	16 <sup>5</sup>	\$4.2 <sup>5</sup>	\$131.0⁵	
	Lawrence Livermore Laboratory	ER (including D&D)	RA ongoing	11	\$22.5	\$639.0	
	Rockwell International	ER (including D&D)	RA, D&D ongoing				
	Sandia National Laboratory - Livermore	ER	RA ongoing	4	\$1.9	\$13.5	
	University of California	ER/FUSRAP	RA complete				
со	Durango Site	ER/UMTRA	RA complete (surface)				
	Grand Junction Mill Tailing Site	ER/UMTRA	RA ongoing (surface)	1	\$12.8	\$73.3	
	Grand Junction Projects Office Site	ER (including D&D)	RA ongoing	1	\$10.3	\$466.9	
	Gunnison	ER/UMTRA	RA ongoing (surface)	1	\$0.9	\$12.3	
	Maybell	ER/UMTRA	RA ongoing (surface)	1	\$4.3	\$22.3	
	Naturita	ER/UMTRA	RA ongoing	1	\$13.4	\$43.0	
	Old North Continent (Slick Rock)	ER/UMTRA	RA ongoing (surface)	1	\$9.1 <sup>7</sup>	\$32.9 <sup>7</sup>	
	Rifle Mill (Old and New)	ER/UMTRA	RA ongoing (surface)	2	\$1.4	\$20.3	
	Union Carbide (Slick Rock)	ER/UMTRA	RA ongoing (surface)	2	8	8	

#### Exhibit D-1: DOE Installations and Other Locations Where Remedial Action is Ongoing or Completed<sup>1</sup>

State	Installation/Site	Program <sup>2</sup>	Status <sup>3</sup>	No. of Operable Units <sup>3,4</sup>	Estimated Budget FY 1997 (millions) <sup>3</sup>	Estimated Life-Cycle Cost (millions) <sup>3</sup>	
СТ	Combustion Engineering	ER/FUSRAP	RA ongoing	1	\$43.7	\$233.9	
	Seymour Specialty Wire	ER/FUSRAP			RA complete		
ID	Idaho National Engineering Laboratory	ER (including D&D) on NPL	D&D, RA ongoing	106	\$112.8	\$3,049.1	
	Lowman Site	ER/UMTRA			RA complete		
IL Fermi National Accelerator No Environmental Restoration activiti Laboratory				activities planned			
	Granite City Steel	ER/FUSRAP			RA complete		
	National Guard Armory	ER/FUSRAP			RA complete		
	University of Chicago	ER/FUSRAP			RA complete		
KY	Maxey Flats	ER on NPL	DOE is funding a portion of this cleanup as a Potentially Responsible Party; cleanup is being carried out by the State of Kentucky under a ROD issued by EPA in 1991.				
MA	Ventron Corporation	ER/FUSRAP	RA ongoing	1	NA	NA	
MI	General Motors	ER/FUSRAP		F	RA completed		
MO	Kansas City Plant	ER (including D&D)	RA ongoing	13	\$3.5	\$28.1	
	Latty Avenue Properties (includes Hazelwood Interim Storage Site and Futura Coatings)	ER/FUSRAP on NPL	RA ongoing	2	9	10	
	St. Louis Airport Site Vicinity Properties	ER/FUSRAP on NPL	RA ongoing	1	9	10	
	St. Louis Downtown Site	ER/FUSRAP	RA ongoing	1	9	10	
	Weldon Spring Site	ER (including D&D) on NPL	RA ongoing	8	\$66.0	\$447.9	
MS	Salmon Test Site	ER	RA ongoing	2	\$2.9 <sup>11</sup>	\$7.7 <sup>11</sup>	
NE	Hallam Nuclear Power Facility	ER (D&D only)		D&D cor	mplete; S&M ongoing		

#### Exhibit D-1: DOE Installations and Other Locations Where Remedial Action is Ongoing or Completed (continued)<sup>1</sup>

Appendix D

State	Installation/Site	Program <sup>2</sup>	Status <sup>3</sup>	No. of Operable Units <sup>3,4</sup>	Estimated Budget FY 1997 (millions) <sup>3</sup>	Estimated Life-Cycle Cost (millions) <sup>3</sup>		
NJ	Kellex/Pierpont	ER/FUSRAP		RA complete				
	Middlesex Municipal Landfill	ER/FUSRAP		F	RA complete			
	Middlesex Sampling Plant	ER/FUSRAP	RA ongoing	1	\$2.8	\$24.8		
NM	Acid/Pueblo Canyon	ER/FUSRAP		F	RA complete			
	Ambrosia Lake	ER/UMTRA	RA ongoing (surface)	1	\$0.2	\$1.2		
	Bayo Canyon	ER/FUSRAP	RA complete					
	Chupadera Mesa	ER/FUSRAP	ER/FUSRAP RA complete					
	Inhalation Toxicology Research Institute	ER	RA ongoing	4	\$0.395	\$2.2		
	Los Alamos National Laboratory	ER (including D&D)	D&D, RA ongoing	6	\$53.2	\$623.7		
	Pagano Salvage	ER		F	RA complete			
	Shiprock Site	ER/UMTRA		RA co	omplete (surface)			
	South Valley Superfund Site	ER on NPL	reimbursing Gene	DOE does not manage the cleanup project at this site; it is responsible for reimbursing General Electric, which currently owns the site, for cleanup costs. Soil and groundwater remedies already have been chosen.				
	Waste Isolation Pilot Plant		No environme	ental restoration, wa	ste management only			
NY	Baker-Williams Warehouse	ER/FUSRAP		F	RA complete			
	Colonie Interim Storage	ER/FUSRAP	RA ongoing 1 NA NA		NA			
	Niagara Falls Storage	ER/FUSRAP	RA complete					
	Niagara Falls Vicinity Properties	ER/FUSRAP	RA complete					
	West Valley Demonstration Project				ted from 1996 through 19 ration; State of New York			

State	Installation/Site	Program <sup>2</sup>	Status <sup>3</sup>	No. of Operable Units <sup>3,4</sup>	Estimated Budget FY 1997 (millions) <sup>3</sup>	Estimated Life-Cycle Cost (millions) <sup>3</sup>		
ОН	Alba Craft	ER/FUSRAP			RA complete			
	Associated Aircraft and Tool	ER/FUSRAP	RA ongoing	1	NA	NA		
	Baker Brothers	ER/FUSRAP			RA complete			
	Battelle Columbus Laboratories	ER (including D&D)	D&D ongoing	16	\$4.0	\$101.1		
	Fernald Site	ER on NPL	RA, D&D ongoing	11	\$260.3	\$2,523.7		
	HHM Safe Company	ER/FUSRAP			RA complete			
	Piqua Nuclear Power Facility	ER (D&D only)	S/M ongoing	1	0	\$0.3		
	Portsmouth Gaseous Diffusion Plant	ER (including D&D)	RA, D&D ongoing	30	\$45.9	\$3,959.7		
OR	OR Albany Metallurgical Research Center ER/FUSR		RA complete					
	Lakeview Site	ER/UMTRA		RA c	complete (surface)	urface)		
PA	Aliquippa Forge	ER/FUSRAP	RA complete					
	Canonsburg Site	ER/UMTRA		RA complete (surface)				
	C.H. Schnoor	ER/FUSRAP	RA complete					
	Shippingport Atomic Power Station	ER			RA complete			
SC	Savannah River Site	ER (including D&D) on NPL	RA ongoing	92	\$111.7	\$12,687.0		
TN	Elza Gate	ER/FUSRAP			RA complete			
	Oak Ridge Associated Universities	ER on NPL	RA ongoing	2	\$0.0	\$24.0		
ТΧ	Falls City Site	ER/UMTRA	RA complete (surface)					
UT	Green River Site	ER/UMTRA	RA complete (surface)					
	Mexican Hat Site	ER/UMTRA	RA complete (surface)					
	Monticello Remedial Action Project	ER on NPL (2 sites)	RA ongoing	3	\$21.2	\$109.9		
	Salt Lake City Site	ER/UMTRA		RA c	complete (surface)			

Exhibit D-1: DOE Installations and Other Locations Where Remedial Action is Ongoing	or Completed (continued) <sup>1</sup>
Exhibit D-1. DOE instanations and other Eocations where Remedial Action is Ongoing	

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Appendix

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State	Installation/Site	Program <sup>2</sup>	Status <sup>3</sup>	No. of Operable Units <sup>3,4</sup>	Estimated Budget FY 1997 (millions) <sup>3</sup>	Estimated Life-Cycle Cost (millions) <sup>3</sup>
WA	Hanford Site	ER (including D&D) on NPL (4 sites)	RA ongoing	78	\$138.8	\$8,349.2
WY	Riverton Site	ER/UMTRA	RA complete (surface)			
	Spook Site	ER/UMTRA		RA co	omplete (surface)	
ER=Environmental RestorationNPL=National Priorities ListUMTRA=Uranium Mill Tailing Remedial ActionIA=Interim ActionC/A=Characterization and assessmentS/M=Surveillance and monD&D=Decontamination and DecommissioningFUSRAP=Formerly Utilized SiteRA=Remedial ActionIAIAIA			am			
locati incluc	table includes installations and other locations ons included here also may appear in Exhibit A ded on both tables, because they continue to re Department of Energy, "The 1996 Baseline En	A-1, because characteriza epresent opportunities for	tion and assessment vendors of remedial	still may be in progres technologies.	•	

#### Exhibit D-1: DOE Installations and Other Locations Where Remedial Action is Ongoing or Completed (continued)<sup>1</sup>

<sup>4</sup> An "operable unit" consists of one or more "sites" (individual areas of contamination). DOE aggregates sites with similar characteristics or sources into operable units to facilitate remedy selection and operations for all its remediation projects, whether they are conducted under CERCLA, RCRA, or other authorities.

<sup>5</sup> Includes both Energy Technology Engineering Center and Rockwell International site.

- <sup>6</sup> See Energy Technology Engineering Center entry.
- <sup>7</sup> Includes Old North Continent (Slick Rock) and Union Carbide (Slick Rock) sites.
- <sup>8</sup> See Old North Continent (Slick Rock).
- <sup>9</sup> Total estimated FY97 budget for all Missouri FUSRAP sites is \$10.4 million. Site-by-site estimates are not available.
- <sup>10</sup> Total estimated life-cycle cost for all Missouri FUSRAP sites is \$243.8 million. Site-by-site estimates are not available.
- <sup>11</sup> Work at Amchitka Island (AK), Project Rio Blanco and Project Rulison (CO), Salmon Test Site (MS), Project Gassbuggy and Gnome-Coach Site (NM), and the Central Nevada, Shoal, and Tonopah Test Sites (NV) is managed by and funded through DOE's Nevada Operations Office.

State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.)⁴			
AK	Amchitka Island	Organic compounds, hydrocarbons, radionuclides, beryllium, lead	9,000	104,900	5,320			
AZ	Monument Valley	Cadmium, chromium, molybdenum, net gross alpha, nitrate, radium-226/228, selenium, uranium (ground water)	Complete	Undetermined	NA			
	Tuba City	Net gross alpha, nitrate, selenium, uranium (ground water)	Complete	Undetermined	NA			
CA	Energy Technology Engineering Center	Radioactive and chemical waste (soil and buildings); solvents, tritium, alpha and beta radioactivity, radium (ground water)	Not reported	Not reported	Not reported			
	General Atomics	Low-level radioactive waste, low-level mixed waste, asbestos, lead	Undetermined	Undetermined	Undetermined			
	General Electric/ Vallecitos Nuclear Center	Low-level radioactive waste and transuranic waste	NA	NA	20			
	Geothermal Test Facility	Salts and minerals (sediments and debris); arsenic (soil and debris); asbestos (building materials)	11,960	NA	Not reported			
	Laboratory for Energy-Related Health Research	Nitrates, chromium, chloroform, tritium, carbon (ground water); low-level radioactive waste (soil); low-level radioactive waste, asbestos, chemical and biological waste (buildings and facilities)	810	Undetermined	520			

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State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.) <sup>4</sup>	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.) <sup>4</sup>
CA (con- tinued)	Lawrence Berkeley Laboratory	Chlorinated hydrocarbons, solvents, tritium, motor fuels (ground water); radioactive and mixed waste (soil and buildings)	50	181,700	12,200
	Lawrence Livermore Laboratory	VOCs, fuel hydrocarbons, depleted uranium, PCBs, high explosives (soil); tritium, chlorinated hydrocarbons, TCE (ground water); radioactive and hazardous waste, asbestos (buildings)	2,307,000	1,753,000	Not reported
	Oxnard	PCBs, tetrachloroethane, fuel products (soil)	Undetermined	Undetermined	Undetermined
	Salton Sea Test Base	Radioactive and chemical waste	Undetermined	Undetermined	Undetermined
	Stanford Linear Accelerator Center	PCBs, petroleum hyrocarbon, lead (soil); VOCs, TCE (ground water)	111,100	2,614,380	980
со	Durango	Arsenic, cadmium, lead, molybdenum, net gross alpha, selenium, uranium (ground water)	Complete	Undetermined	NA
	Grand Junction Mill Tailing Site	Radon, heavy metals, radium, thorium (soil); molybdenum, net gross alpha, selenium, uranium (ground water)	45,440 (RA ongoing)	117,380	3,550
	Gunnison	Cadmium, uranium (ground water)	345,485 (RA ongoing)	Undetermined	NA
	Maybell	Arsenic, cadmium, molybdenum, nitrate, radium-226/228, selenium, uranium (ground water)	2,800,000 (RA ongoing)	Undetermined	NA

	at DOE Installations Where Characterization and Assessment Are Ongoing (continued) <sup>1</sup>							
State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.)⁴			
CO (con- tinued)	Naturita	Arsenic, molybdenum, net gross alpha, radium-226/228, selenium, uranium (ground water)	704,000 (RA ongoing)	Undetermined	NA			
	Old North Continent (Slick Rock)	Radon, heavy metals, radium, thorium (soil); selenium, uranium (ground water)	Not reported	Undetermined	NA			
	Project Rio Blanco	Organic compounds, hydrocarbons, radionuclides, beryllium, lead	6,000 <sup>5</sup>	Undetermined	Undetermined			
	Project Rulison	Organic compounds, hydrocarbons, radionuclides, beryllium, lead	6	Undetermined	Undetermined			
	Rifle Mill (New)	Radon, heavy metals, radium, thorium (soil); arsenic, barium, cadmium, chromium, lead, molybdenum, net gross alpha, nitrate, radium-226/228, selenium, uranium (ground water)	2,000,000	Undetermined	NA			
	Rifle Mill (Old)	Radon, heavy metals, radium, thorium (soil); arsenic, barium, cadmium, chromium, lead, molybdenum, net gross alpha, radium 226/228, selenium, uranium (ground water)	259,000	Undetermined	NA			
	Rocky Flats	Plutonium, americium, uranium, VOCs, PAHs, beryllium (soils); nitrates, metals, solvents (ground water); radionuclides, metals, VOCs, PCBs (surface water)	414,900	1,550,000	Undetermined			
	Union Carbide (Slick Rock)	Radon, heavy metals, radium, thorium (soil); cadmium, molybdenum, net gross alpha, nitrate, radium226/228, selenium, uranium (ground water)	Not reported	Undetermined	NA			
FL	Pinellas Plant	VOCs	10	91,500	30			

·	at DOE Installations Where Characterization and Assessment Are Ongoing (continued)						
State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.)⁴		
FL	Pinellas Plant	VOCs	10	91,500	30		
н	Kauai Test Facility	Chemical waste	930	7,400	Undetermined		
IA	Ames Laboratory	Uranium, thorium, tritium, mercury, thallium, potassium, lithium, diesel fuels, kerosene	1,270	30	150		
ID	Argonne National Laboratory-West	Uranium, thorium, tritium, heavy metals, PCBs, organic corrosives, dioxins/furans, sodium	750	Not reported	200		
	Idaho National Engineering Laboratory	Heavy metals, PCBs, acids, asbestos, solvents, low-level radioactive waste, trans- uranic waste	851,720	989,540	33,380		
IL	Argonne National Laboratory-East	Radionuclides, VOCs, SVOCs, PAHs, PCBs, arsenic, chromium, pesticides, aromatic hydrocarbons, chlorinated benzenes, heavy metals, lead (soil, ground water, and sediments); cobalt <sup>60</sup> , iron, nickel, lead, tritium, uranium <sup>235/238</sup> , beryllium, cadmium, plutonium <sup>239</sup> , americium <sup>241</sup> , mixed fission products (reactors and reactor facilities)	125,630	434,750	685,420		
	Madison	Uranium	10	NA	NA		
	Site A/Plot M, Palos Forest Preserve	VOCs, SVOCs, heavy metals, radioactive waste	6,540	Undetermined	Undetermined		
KY	Paducah Gaseous Diffusion Plant	Petroleum hydrocarbons, PCBs, uranium, technetium <sup>99</sup> , mercury (soil and sediments); TCE, technetium <sup>99</sup> (ground water)	756,850	89,781,060	37,650		

State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.)⁴	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.) <sup>4</sup>
MA	Chapman Valve	Uranium	Not reported	NA	Not reported
	Shpack Landfill	Uranium residues, radium	9,370	NA	NA
MD	W.R. Grace & Company	Thorium	Not reported	NA	Not reported
MO	Kansas City Plant	PCBs, VOCs, metals, solvents, petroleum hydrocarbons	32,230	110,290	3,110
	St. Louis Airport Site	Uranium processing residues	250,000	NA	NA
	Weldon Spring Site	Low-level radioactive, chemical, and mixed wastes	321,940	650,200	163,090
NJ	DuPont & Company	Uranium	8,270	NA	7
	Maywood Chemical Works	Thorium tailings	395,000	NA	NA
	New Brunswick Site	Radium, uranium	4,500	NA	NA
	Princeton Plasma Physics Laboratory	Petroleum hydrocarbons, solvents	Not reported	Not reported	Not reported
	Wayne	Thorium, thorium tailings	109,000	NA	7

State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.) <sup>4</sup>	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.) <sup>4</sup>
NM	Ambrosia Lake	Radon, heavy metals, radium, thorium (soil); chromium, molybdenum, net gross aplha, nitrate, radium <sup>226/228</sup> , selenium, uranium (ground water)	2,000,000 (RA ongoing)	Undetermined	NA
	Gassbuggy Site	Organic compounds, hydrocarbons, radionuclides, beryllium, lead	6,000 <sup>8</sup>	Undetermined	Undetermined
	Gnome Coach Site	Organic compounds, hydrocarbons, radionuclides, beryllium, lead	9	Undetermined	Undetermined
	Los Alamos National Laboratory	Radionuclides, VOCs, SVOCs, heavy metals, high explosives, PCBs, asbestos, pesticides, herbicides (soil); tritium, cesium, strontium (ground water)	12,694,000	13,770	Not Reported
	Sandia National Laboratory-Albuquerque	PCBs, radionuclides, metals, petroleum hydrocarbons, high explosives, VOCs, SVOCs	772,500	40	24,800
	Shiprock	Net gross aplha, nitrate, radium <sup>226/228</sup> , selenium, uranium (ground water)	Complete	Undetermined	NA
NV	Central Nevada Test Site	Organic compounds, hydrocarbons, beryllium, lead, plutonium, tritium	6,000 <sup>10</sup>	Undetermined	Undetermined
	Nevada Test Site	Organic compounds, hydrocarbons, beryllium, lead, plutonium, tritium	18,931,550	104,900	5,320
	Shoal Test Site	Organic compounds, hydrocarbons, beryllium, lead, plutonium, tritium	11	Undetermined	Undetermined
	Tonopah Test Range	Organic compounds, hydrocarbons, beryllium, lead, plutonium, tritium	11	Undetermined	Undetermined

	at DOE Installations Where Characterization and Assessment Are Ongoing (continued) <sup>1</sup>					
State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.) <sup>4</sup>	
NY	Ashland Oil CO.#1	Uranium ore tailings	Not reported	NA	NA	
	Ashland Oil Co.#2	Uranium ore tailings	52,100	NA	NA	
	Bliss & Laughlin	Low-level radioactive waste, uranium (trace)	Not reported	NA	NA	
	Brookhaven National Laboratory	Uranium, plutonium, cesium <sup>134/137</sup> , tritium, strontium <sup>90</sup> , cobalt <sup>60</sup> , sodium <sup>22</sup> , radium <sup>226</sup> , metals, organics	38,930	56,993,590	520	
	Linde Air Products	Uranium ore tailings	70,000	NA	NA	
	Seaway Industrial Park	Uranium ore tailings	Not reported	NA	NA	
	Separation Process Research Unit	Plutonium, stontium <sup>90</sup> , cesium <sup>137</sup>	Undetermined	NA	Undetermined	
ОН	B and T Metals	Uranium	NA	NA	1,000	
	Fernald Site	Uranium, thorium, oils, reactive chemicals, organic compounds	1,236,650	512,500,000	302,250	
	Luckey	Beryllium, uranium (traces)	64,000	NA	NA	
	Mound Plant	VOCs, petroleum hydrocarbons, tritium, plutonium, thorium (soil); tritium (ground water)	200,990	890,690	36,100	
	Portsmouth Gaseous Diffusion Plant	Low-concentration radionuclides, chlorinated solvents, PCBs, heavy metals	32,280	741,230	71,160	
	RMI Site	Uranium, TCE, technitium	35,520	620	5,830	
OR	Lakeview Site	Arsenic, cadmium (ground water)	Complete	Undetermined	NA	
PA	Canonsburg Site	Uranium	Complete	Undetermined	NA	

State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addresseda (Cu. Yds.) <sup>4</sup>	Estimated Ground-water Volume To Be Remediated (Cu. Yds.)⁴	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.)⁴
PR	Center for Environmental Research	Asbestos, PCBs	Not reported	Not reported	Not reported
SC	Savanah River Site	TCE, PCE, aluminum, zinc, arsenic, cadmium, chromium, lithium, mercury, lead, strontium <sup>90</sup> , cesium <sup>137/139</sup> , cobalt <sup>60</sup> , tritium, thorium	11,276,500	406,809,230	714,000
TN	Oak Ridge K-25 Site	Asbestos, petroleum hydrocarbons, PCBs, radionuclides (principally uranium), mixed waste	4,900	1,249,440	109,560
	Oak Ridge National Laboratory	Strontium <sup>90</sup> , cesium <sup>137</sup> , cobalt <sup>60</sup> , tritium, PCBs, heavy metals, mixed waste	92,870	90,330	60,920
	Oak Ridge Reservation Offsite	Radionuclides (cesium <sup>137</sup> , cobalt <sup>60</sup> , tritium, strontium <sup>90</sup> ), mercury, lead, arsenic, selenium, chromium, PCBs, dioxin, chlordane, polychlorinated hydrocarbons	136,960	10	Not reported
	Oak Ridge Y-12 Plant	Radionuclides (depleted uranium and uranium <sup>235</sup> ), nitrates, organic solvents, PCBs, beryllium compounds, asbestos, mercury, cadmium	464,910	4,689,070	119,750
ТХ	Falls City Site	Molybdenum, uranium (ground water)	Complete	Undetermined	NA
	Pantex Plant	Organic solvents, high explosives, heavy metals	5,080	30	Not reported
UT	Green River Site	Arsenic, cadmium, chromium, lead, molybdenum, net gross alpha, nitrate, radium <sup>226/228</sup> , selenium, uranium (ground water)	Complete	Undetermined	NA
	Mexican Hat Site	Chromium, molybdenum, net gross alpha, nitrate, radium <sup>226/228</sup> , selenium, uranium (ground water)	Complete	Undetermined	NA

State	Installation/Site	Examples of Contaminants of Concern <sup>2,3</sup>	Estimated Soil/Sediment Volume To Be Addressed (Cu. Yds.)⁴	Estimated Ground-water Volume To Be Remediated (Cu. Yds.) <sup>4</sup>	Estimated Rubble/Debris Volume To Be Remediated (Cu. Yds.) <sup>4</sup>
UT (con- tinued)	Monticello Remedial Action Project	Radium, uranium, thorium, polonium, radon	2,922,460	NA	12
	Salt Lake City Site	Molybdenum, selenium, uranium (ground water)	Complete	Undetermined	NA
WA	Hanford Site	Tritium, cobalt, strontium, cesium, technitium, plutonium, uranium, carbon tetrachloride, nitrates, iodine, chromium, mixed waste, transuranic waste	83,840,000	26,000,000	Not reported
WY	Riverton Site	Molybdenum, net gross alpha, radium <sup>226/</sup> <sup>228</sup> , selenium, uranium (ground water)	Complete	Undetermined	NA
	Spook Site	Chromium, nitrate, radium <sup>226/228</sup> , selenium, uranium (ground water)	Complete	Undetermined	NA

Notes:

NA = Not Applicable

<sup>1</sup> Installations and other locations included in this table are the same as those listed in Exhibit 7-2 in the text of the Chapter.

<sup>2</sup> U.S. Department of Energy, "Estimating the Cold War Mortgage: The 1995 Baseline Environmental Report," DOE/EM-0230, March 1995; DOE/EM-40 Contaminated Media/Waste Database as of March 3, 1995; and U.S. Department of Energy, UMTRA Project Office, "Draft Program-matic Environmental Impact Statement for the Uranium Mill Tailings Remedial Action Ground Water Project," DOE/EIS-0198, April 1995.

<sup>3</sup> When specific contaminant types were not available from the references cited in endnote 2, available waste class information has been provided to give an indication of the types of contaminants that may be present.

<sup>4</sup> U.S. Department of Energy, "Estimating the Cold War Mortgage: The 1995 Baseline Environmental Report," DOE/EM-0230, March 1995, and DOE/ EM-40 Contaminated Media/Waste Database as of March 3, 1995. Volume estimates have been rounded for inclusion in this table. Not all of the contaminated soil volume shown will be remediated—treated or disposed of—because a portion of the volume at some locations is below the proposed cleanup level for that location.

Notes (continued):

- <sup>5</sup> Includes estimated volumes for Project Rio Blanco and Project Rulison.
- <sup>6</sup> See Project Rio Blanco.
- <sup>7</sup> Included in Estimates Soil/Sediment Volume shown for this site.
- <sup>8</sup> Includes estimated volumes for Gassbuggy Site and Gnome-Coach Site.
- <sup>9</sup> See Gassbuggy Site.
- <sup>10</sup> Includes estimated volumes for Central Nevada Test Site, Shoal Test Site, and Tonopah Test Range.
- <sup>11</sup> See Central Nevada Test Site.
- <sup>12</sup> Included in Estimated Soil/Sediment Volume shown for this site.