# References

This appendix provides reference tools to help readers understand the material in this report. Information is provided on terms and acronyms used in the report. Site types and site counts give additional information about funding and site content. Contact information and Web addresses allow readers to seek additional information, beyond the scope of this text. Sections included in this reference section are as follows:

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# Site Types - Definitions

SiteCategory	SiteType	Site Description <sup>1</sup>	PrimaryContaminants
Base Operations/ Engineered Structures	Building Demolition/ Debris Removal	Building Demolition/Debris Removal sites consist of buildings and/or debris that are unsafe and/or must be removed.	<ul><li>Asbestos</li><li>Construction debris</li><li>Lead paint</li></ul>
	Contaminated Building	Contaminated Building sites result from releases within, or on the outside of, a structure of a substance that has been contained within the building.	<ul> <li>POLs</li> <li>Plating waste</li> <li>Metals</li> <li>POLsludge</li> <li>Asbestos</li> <li>Solvents</li> <li>Solvents</li> <li>Acids</li> <li>Acids</li> </ul>
	Dip Tank	Dip Tanks typically are metal or concrete units located in coating shops. They range in size from 50 to more than 500 gallons. The tanks are used to clean parts before treatment or to coat parts with various materials, including metals and plastics.	<ul><li>POLs</li><li>Chlorinated solvents</li><li>Metals</li><li>Acids</li></ul>
	Incinerator	Incinerators typically consist of a furnace and stack unit used for a variety of disposal activities, including the incinera- tion of medical waste or of an installation's dunnage. These units vary in size and may be either freestanding or part of other operations, such as hospitals.	<ul><li> Ash</li><li> Metals</li><li> Ordnance compounds</li></ul>
	Maintenance Yard	Maintenance Yards consist of paved or unpaved areas where vehicles and other maintenance equipment are stored and often serviced. Typically, maintenance supplies are stored at these units.	<ul><li>POLs</li><li>Solvents</li><li>Metals</li></ul>
	Oil Water Separator	Oil Water Separators typically are small units that skim oil from stormwater runoff. The Oil Water Separator site consists of the unit and any associated piping.	<ul> <li>POLs</li> <li>Solvents</li> <li>Industrial wastewater</li> </ul>
	Storage Area	Storage Area sites are areas where spills and leaks from stored containers or equipment have occurred.	<ul> <li>POLs</li> <li>Solvents</li> <li>POL sludge</li> <li>PCBs</li> </ul>
	Washrack	Washrack sites typically consist of a building designed for washing vehicles, such as tanks, aircraft, and other military vehicles. This unit also may consist of a paved area where washing of vehicles occurs.	• POLs
Storage Tanks	AbovegroundStorageTanks	Aboveground Storage Tank sites result from release of substances to surrounding areas from aboveground tanks, containers, and associated piping.	<ul> <li>POLs (for example, heating oil, jet fuel, gasoline, and POL sludge)</li> </ul>

 $^1$  The site descriptions provided in this table are not intended to be all-encompassing or exact regulatory definitions. They provide only general descriptions of the different categories of DoD sites.

SiteCategory	SiteType	Site Description <sup>1</sup>	PrimaryContaminants
	POLLines	Petroleum, oil, lubricant distribution lines are used to transport POL products from storage to dispensing facilities.	<ul> <li>POLs (for example, heating oil, gasoline, jet fuel, diesel fuel, and other fuels)</li> <li>POL sludge</li> </ul>
	Underground Storage Tanks	Underground Storage Tank sites result from the release of substances from underground storage tanks and any associated piping.	<ul> <li>POLs</li> <li>POLsludge</li> <li>Solvents</li> </ul>
	Underground Storage Tank Farm	Underground Storage Tank Farm sites result from the release of substances from the multiple, generally large, underground storage tanks and associated piping that make up a tank farm complex.	<ul> <li>POLs</li> <li>POLsludge</li> <li>Solvents</li> <li>Metals</li> </ul>
Industrial Operations	Optical Shop	Optical Shops typically consist of laboratory units located within a building. Activities include grinding lenses used in eye glasses or other optical instruments.	Solvents
	Pesticide Shop	Pesticide Shops typically are used to store and prepare large volumes of pesticides and solvents for maintenance activities. The units may be located in a freestanding building or may be attached to another building. Areas near the unit may have been used for the disposal of off- specification pesticides.	<ul><li> Pesticides</li><li> Metals</li><li> POLs</li></ul>
	Plating Shop	Plating Shops typically consist of a building, or a room within a building, used for coating metal parts. The unit contains several tanks of solvents that are used in the plating process.	<ul> <li>Metals</li> <li>Solvents</li> <li>Acids</li> <li>Industrial wastewater</li> </ul>
	Sewage Treatment Plant	Sewage Treatment Plants typically consist of a complex of tanks, piping, and sludge management areas used to treat sanitary sewage generated at an installation. The unit may use chemical or biological treatment methods. Lagoons associated with the biological treatment of sewage may be considered to be separate units.	<ul> <li>Metals</li> <li>Industrial wastewater</li> <li>Solvents</li> <li>POLs</li> </ul>
	Waste Lines	Waste Lines are underground piping used to carry industrial wastes from shop facilities to a wastewater treatment plant.	<ul> <li>Solvents</li> <li>Plating sludge</li> <li>Explosive chemicals</li> <li>Metals</li> <li>Pesticides</li> </ul>
	Waste Treatment Plant	Waste Treatment Plant sites result from releases of substances at plants that were used to treat and dispose of domestic and/or industrial wastewater.	<ul> <li>POLs</li> <li>Solvents</li> <li>Plating sludge</li> <li>Industrial wastewater</li> <li>Explosive chemicals</li> </ul>

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Acronyms used: PCBs = Polychlorinated biphenyls POL = Petroleum/Oil/Lubricants UXO = Unexploded ordnance

SiteCategory	SiteType	Site Description <sup>1</sup>	PrimaryContaminants
Training Areas	Burn Area	Burn Area sites consist of pits or surface areas that were used for open-air incineration of waste.	<ul> <li>POLs (for example, spent motor oil and jet fuel)</li> <li>Solvents (for example, spent paint thinners and degreasing agents)</li> <li>Explosives</li> <li>Propellants</li> <li>Ordnance</li> </ul>
	Explosive Ordnance Disposal Area	Explosive Ordnance Disposal Areas consist of open-air areas that were used for detonation, demilitarization, burial, or disposal of explosives.	<ul> <li>UXO</li> <li>Ordnancecompounds</li> <li>Explosivechemicals</li> <li>Metals</li> </ul>
	Fire/Crash Training Area	Fire/Crash Rescue Training Areas consist of trenches and/or pits where flammable materials were ignited periodically for demonstrations and training exercises.	<ul> <li>POLs</li> <li>POL sludges</li> <li>Solvents</li> <li>Metals</li> </ul>
	Firing Range	Firing Ranges consist of large areas of land used for practice firing of large artillery or mortars or as a practice bombing range for aircraft. These areas typically are contaminated with unexploded ordnance, which may be found both on and below the ground surface.	<ul> <li>Metals</li> <li>Ordnance compounds</li> <li>Explosives</li> <li>UXO</li> <li>Radionuclides</li> </ul>
Pistol Range		Pistol Ranges may be located indoors or outdoors and are used for target practice. Outdoor units include a soil or sandbag berm located behind the targets to prevent bullets from traveling outside the range area.	• Metals
	Small Arms Range	Small Arms Ranges typically are located outdoors and are used for target practice with small arms, usually 50 caliber or less. The unit may include a soil or sandbag berm or a hill located behind the targets to prevent bullets from traveling outside the range area.	<ul><li>Metals</li><li>Ordnance compounds</li></ul>
	Unexploded Munitions/ Ordnance Area	Unexploded Munitions/Ordnance Areas are areas that have been used for munition and ordnance training.	<ul> <li>UXO</li> <li>Metals</li> <li>Explosive chemicals</li> <li>Ordnance compounds</li> </ul>
Radioactive Areas	Mixed Waste Area	Mixed Waste Areas are areas used to store or dispose of hazardous wastes that have been mixed with or contaminated by radioisotopes.	<ul><li>Solvents</li><li>Mixed waste</li></ul>
	Radioactive Waste Area	Radioactive Waste Areas are areas used to store or dispose of low-level radioactive materials of various types (for example, radium paint and radioactive instruments and propellants).	Low-level radioactive waste
	descriptions of the different ca	0	gulatory definitions. They provide only general $1/1$ ubricants $1/2$ UNO = Unexploded ordnance

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SiteCategory	SiteType	Site Description <sup>1</sup>	PrimaryConta	aminants
Surface Discharge Areas	Drainage Ditch	Drainage Ditch units typically consist of a natural or man- made ditch used as a runoff control structure for rainfall. The unit also may be used for runoff from other sources, such as process operations. Man-made units may be concrete lined.	<ul><li>POLs</li><li>Solvents</li><li>PCBs</li></ul>	<ul><li>Metals</li><li>Explosive chemicals</li></ul>
	Industrial Discharge	Industrial Discharge units consist of a pipe system used to discharge industrial effluent to the environment. The unit may discharge to a natural or man-made water body or to a dry creek bed or some other natural feature.	<ul><li>Metals</li><li>Industrial wastewater</li></ul>	
	Sewage Effluent Settling Ponds	Sewage Effluent Settling Ponds consist of a lagoon, or lagoons, used for the settling of solids and/or for biological treatment of sewage. The units also may be used as infiltration galleries.	<ul><li>Metals</li><li>Ordnance compounds</li><li>Solvents</li></ul>	
	Spill Site Areas	Spill Site Areas are small areas where spills from drums, tanks, or other waste storage units have taken place.	<ul><li>POLs</li><li>Solvents</li><li>Paint</li><li>Pesticides</li></ul>	<ul><li>Metals</li><li>Acids</li><li>PCBs</li></ul>
	Storm Drain	Storm Drains typically consist of a natural or man-made drain used as a runoff control structure for rainfall. The unit also may be used for runoff from other sources, such as process operations. Man-made units may be concrete lined.	<ul><li>POLs</li><li>Metals</li><li>POLsludge</li></ul>	<ul><li>Pesticides</li><li>Industrial wastewater</li><li>Solvents</li></ul>
Surface Disposal Area	Surface Disposal Area sites consist of small areas formerly used for disposal of solid wastes with little or no free liquids. Typical materials include rags, filters, paint cans, small capacitors, and batteries.	<ul><li>POLs</li><li>Metals</li></ul>	<ul><li>Solvents</li><li>Explosive chemicals</li></ul>	
	SurfaceImpoundment/Lagoon	Surface Impoundments/Lagoons are unlined depressions, excavations, or diked areas that were used to accumulate liquid waste, waste containing free liquid, or industrial wastewater.	<ul> <li>POLs</li> <li>Solvents</li> <li>Ordnance compounds</li> <li>Explosive chemicals</li> <li>Metals</li> </ul>	Industrial wastewater
	Surface Runoff	Surface Runoff sites are areas that typically experience sheet runoff from rain. The runoff may contain contami- nants, particularly adjacent to industrial areas and airfield aprons.	<ul><li>POLs</li><li>Solvents</li><li>PCBs</li></ul>	<ul><li>Metals</li><li>POLsludge</li></ul>
Subsurface Disposal Area	Chemical Disposal	Chemical Disposal units are areas that have been used for the disposal of chemicals, typically of an unknown type. The unit may be a burial area where bottles or packages of chemicals were placed or an area where liquids were disposed of on the soil.		
1	The site descriptions provided descriptions of the different cate	in this table are not intended to be all-encompassing or exact reg egories of DoD sites.	gulatory definitions. They prov	ide only general
	Acronyms used: PCBs	= Polychlorinated biphenyls POL = Petroleum/Oil	/Lubricants UXO = Unex	ploded ordnance
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SiteCategory	SiteType	Site Description <sup>1</sup>	PrimaryContaminants			
Subsurface Disposal Area (cont.)	Disposal Pit/Dry Well	Disposal Pit/Dry Well sites consist of small unlined excavations and structures that were used over a period of time for disposing of small quantities of liquid wastes.	<ul> <li>POLs (for example, motor oil)</li> <li>Acids (for example, battery acid)</li> </ul>	<ul> <li>Metals</li> <li>Explosive chemicals</li> <li>Ordnance compounds</li> <li>Solvents</li> </ul>		
Landfill		Landfill sites typically are areas formerly used for disposing of both domestic and industrial hazardous waste.	<ul><li>POLs</li><li>Solvents</li><li>Paint</li></ul>	<ul><li>Pesticides</li><li>Metals</li><li>Ordnance Compounds</li></ul>		
	Leach Field	Leach Fields typically consist of a subsurface area generally associated with septic tanks. The unit serves the purpose of biologically treating sanitary sewage; however, in cases where these units were used at industrial facilities, there is also contamination from non-biodegradable industrial contaminants.	<ul><li>Metals</li><li>Solvents</li></ul>			
Contaminated Media	Contaminated Fill	Contaminated Fill areas consist of contaminated fill resulting from excavations for construction, tanks, and other purposes.	<ul><li>POLs</li><li>Metals</li><li>Ordnance compounds</li></ul>	<ul><li> Explosive chemicals</li><li> Paint waste</li></ul>		
	Contaminated Groundwater	Contaminated Groundwater results from various types of releases of known or unknown origin, such as migration of leachate from disposal areas and migration of substances from contaminated surface and subsurface soil.	<ul><li>POLs</li><li>Chlorinated solvents</li><li>Nonchlorinated solvents</li></ul>	<ul><li>Metals</li><li>Explosive chemicals</li></ul>		
	Contaminated Sediments	Contaminated Sediments include sediments of bodies of water that have been contaminated by surface runoff, subsurface migration, or direct discharge of contami- nants.	<ul><li>POLs</li><li>PCBs</li><li>Pesticides</li></ul>	<ul><li>Metals</li><li>Solvents</li><li>Explosive chemicals</li></ul>		
	Contaminated Soil Piles	Contaminated Soil Piles consist of soil that has been staged after an excavation activity.	<ul><li>POLs</li><li>Sludge</li><li>Metals</li></ul>	<ul><li>Solvents</li><li>PCBs</li><li>Ordnance compounds</li></ul>		
	Soil Contaminated After Tank Removal	Soil Contaminated After Tank Removal consists of soil that has been removed during a tank removal operation and staged before treatment.	<ul><li>POLs</li><li>POL sludge</li></ul>			

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# Site Types - Counts

	<b>J</b> 1	Army		Navy Air Fo		Air Force		DLA		DTRA		FUDS	
	Site Types	Total	Sites in	Total	Sites in	Total	Sites in	Total	Sites in	Total	Sites in	Total	Sites in
		Sites	Progress	Sites	Progress	Sites	Progress	Sites	Progress	Sites	Progress	Sites	Progress
	Building Demolition/Debris Removal	32	16	23	15	30	29	0	0	1	1	346	138
	Contaminated Buildings	734	153	62	38	54	16	63	7	0	0	31	15
	Dip Tank	43	3	5	5	5	5	5	3	0	0	0	0
Base Operations/	Incinerator	87	34	19	8	7	3	5	1	0	0	7	5
Engineered	Maintenance Yard	125	56	47	42	29	15	1	0	0	0	2	2
Structures	Oil Water Separator	418	18	44	25	104	37	3	0	0	0	1	0
	StorageArea	2,781	271	582	294	220	87	106	52	5	5	57	22
	Washrack	184	35	10	6	22	13	3	2	0	0	0	0
	Total	4,404	586	792	433	471	205	186	65	6	6	444	182
Storers	Above ground Storage Tanks	333	52	86	62	89	52	13	5	0	0	97	49
Storage	POL (Petroleum/Oil/Lubricants) Lines	s 28	20	75	48	113	79	10	3	0	0	24	8
Tanks	Underground Storage Tanks	1,324	127	744	339	1047	453	65	20	0	0	690	251
	Underground Tank Farm	95	25	89	47	23	17	1	0	0	0	26	9
	Total	1,780	224	994	496	1,272	601	89	28	0	0	837	317
	Optical Shop	2	1	0	0	0	0	0	0	0	0	0	0
	PesticideShop	51	24	16	13	8	3	7	2	0	0	1	1
Industrial	PlatingShop	10	5	12	9	1	0	1	0	0	0	1	0
Operations	Sewage Treatment Plant	64	17	12	5	44	28	1	0	0	0	5	3
	Waste Lines	144	38	69	39	35	28	3	1	0	0	4	3
	Waste Treatment Plant	241	57	37	21	54	32	0	0	0	0	2	2
	Total	512	142	146	87	142	91	12	3	0	0	13	9
	Burn Area	228	136	69	47	26	13	19	6	0	0	17	15
	Explosive Ordnance Disposal Area	157	69	48	35	34	16	0	0	0	0	75	62
Training	Fire/Crash Training Area	92	51	124	94	330	185	3	2	1	1	10	8
Areas	Firing Range	53	17	16	8	13	12	0	0	0	0	96	65
Aleas	Pistol Range	22	11	9	3	5	5	4	2	0	0	2	0
<u>[]</u>	Small Arms Range	67	21	4	3	10	7	1	1	0	0	36	15
	Unexploded Munitions/Ordnance Area		50	47	29	33	20	0	0	0	0	649	456
	Total	791	355	317	219	451	258	27	11	1	1	885	621
Radioactive	Mixed Waste Area	24	17	28	18	12	10	2	1	0	0	8	4
Areas	Radioactive Waste Area	44	22	9	3	78	26	0	0	5	5	7	4
	Total	68	39	37	21	90	36	2	1	5	5	15	8

		Ar	my	Na	vy	Air Force		DLA		DTRA		FUDS	
	Site Types	Total Sites	Sites in Progress	Total Sites	Sites in Progress	Total Sites	Sites in Progress	Total Sites			Sites in Progress	Total Sites	Sites Progress
	DrainageDitch	38	25	22	14	31	16	5	5	0	0	1	0
	Industrial Discharge Sewage Effluent Settling Ponds	98 16	73 10	12 2	9 1	15 6	10 4	0 0	0 0	0 0	0 0	2 3	2 2
Surface	Spill Site Area Storm Drain	746 23	250 9	423 13	223 13	1,522 87	908 68	42 6	19 3	12 0	11 0	13 2	7 2
Discharge Areas	Surface Disposal Area Surface Impoundment/Lagoon	579 294	195 168	703 103	338 58	379 35	208 23	6 10	1 4	1 3	1 3	38 27	21 14
	Surface Runoff Total	54 <b>1,848</b>	17 747	11 1,289	7 663	11 2,086	8 1,245	0 69	0 32	0 16	0 15	4 90	1 49
Subsurface Disposal Area	Chemical Disposal Disposal Pit/Dry Well Landfill Leach Field	62 346 899 60	51 146 503 29	4 145 428 5	4 84 276 3	39 551 817 14	27 287 477 7	0 54 17 1	0 31 10 1	0 1 7 0	0 0 7 0	14 17 98 1	5 12 69 0
	<b>Total</b> Contaminated Fill	<b>1,367</b> 56	<b>729</b> 29	<b>582</b> 25	<b>367</b> 14	<b>1,421</b> 9	<b>798</b> 7	<b>72</b> 79	<b>42</b> 3	<b>8</b> 0	<b>7</b> 0	<b>130</b> 102	<b>86</b> 78
Contaminated Media	Contaminated Groundwater Contaminated Sediments Contaminated Soil Piles	195 153 46	149 79 29	95 118 15	77 67 10	41 32 8	34 18 7	18 15 20	17 2 2	0 0 0	0 0 0	194 54 21	133 37 12
	Soil Contamination After Tank Re		23	8	6	11	8	31	9	0	0	107	59
Other	<b>Total</b> Other	<b>512</b> 866	<b>309</b> 24	<b>261</b> 54	<b>174</b> 39	<b>101</b> 4	<b>74</b> 2	<b>163</b> 32	<b>33</b> 12	<b>0</b> 0	<b>0</b> 0	<b>478</b> 1311	<b>319</b> 42
	Grand Total	12,148	3155	4,472	2,499	6,038	3,310	652	227	36	34	4,203	1,633

# Glossary

Administrative Record (AR)	CERCLA requires establishment of an administrative record, which forms the basis for the selection of a response action. The administrative record should include the final documents that are a part of the decision-making process.
Air Sparging	A remedial process in which pressurized air is injected below the groundwater table for removal of contaminants through volatilization.
Applicable or Relevant and Appropriate Requirements (ARARs)	Other laws and requirements that must be met in complying with CERCLA. ARARs include cleanup standards, standards of control, and other substantive environmental protection criteria for hazardous substances, as specified by federal and state law and regulations.
Base Realignment and Closure (BRAC)	A DoD program that focuses on compliance and cleanup efforts at military installations undergoing closure or realignment. The goal of the program is to make property available for transfer to the community as quickly and efficiently as possible.
Bioslurping	A process used to extract free-phase fuel from groundwater. The bioslurper uses a vacuum to draw petroleum to a well, then "slurps" the petroleum from the top of the groundwater. The vacuum action also draws air into the soil, which promotes microbial biodegradation. Bioslurping removes the contamination source and cleans up the contaminated soil as well.
Bioventing	A process by which oxygen is delivered to contaminated unsaturated soil by forced air movement (extraction or injection) to stimulate biodegradation by increasing oxygen concentrations.
BRAC Cleanup Plan (BCP)	A plan developed by a closing or realigning installation's cleanup team to map the restoration work needed to make property available for transfer. The BCP includes schedules and estimated costs for the environmental restoration work needed to support the transfer and reuse of property at an installation.

Appendix G	Glossary
Characterization	Facility or site sampling, monitoring, and analysis to determine the extent and nature of a contaminant release. Characterization is the first step in acquiring the necessary technical information to develop, screen, analyze, and select appropriate cleanup techniques.
Clean Air Act (CAA)	CAA's purpose is to "protect and enhance the quality of the Nation's air resources." Its primary programs regulate new and existing polluting facilities releases of contaminants to air.
Cleanup	The act of constructing and implementing a final cleanup remedy.
Clean Water Act (CWA)	CWA's objective is to "restore and maintain the chemical, physical, and biological integrity of the Nation's waters." The act's major enforcement tool is the National Pollutant Discharge Elimination System (NPDES) permit.
Closure Plan	Documentation prepared under RCRA to guide the deactivation, stabilization, and surveillance of a waste management unit or facility.
Community Environmental Response Facilitation Act of 1992 (CERFA)	Law requiring the federal government to identify, for each facility, real property that is not contaminated and that offers the greatest opportunity for expedited reuse and redevelopment by the community. Either identified parcels of real property must be free from hazardous substances and petroleum products or the remediation of contamination by such substances should be expedited to facilitate transfer of the property to the public.
Community Redevelopment Plans	Plans that help direct environmental restoration efforts to areas with the greatest potential for reuse and for providing economic benefit to the community. These community-prepared plans identify the desired and anticipated reuse of excess installation property.
Community Relations Plan (CRP)	The plan for community relations activities that an installation will use to meet stated objectives. A CRP must be developed and implemented for all removal actions and Remedial Actions at Installation Restoration sites, except emergency responses.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	A federal statute that establishes a comprehensive framework to identify, investigate, and clean up releases of hazardous substances to the environment. It provides the statutory authority for cleanup of hazardous substances that could endanger public health, public welfare, or the environment.
Corrective Action Plan (CAP)	A plan associated with the Underground Storage Tank Program. It describes the appropriate corrective measures for implementation at a site. Equivalent to a CERCLA Feasibility Study.
Corrective Measures Implementation (CMI)	The RCRA Corrective Action phase in which the selected cleanup technology is constructed, installed, implemented, and/or operated until confirmatory sampling and analysis indicate that cleanup levels have been reached. Equivalent to a CERCLA Remedial Action.
Corrective Measures Study (CMS)	The RCRA Corrective Action phase in which alternative cleanup technologies are evaluated in relation to specific site characteristics, such as contaminants, soil conditions, and hydrogeologic conditions. Equivalent to a CERCLA Remedial Investigation.
Defense Planning Guidance (DPG)	The DPG establishes goals and milestones for the Defense Environmental Restoration Program. The goals include protecting human health and the environment and making BRAC property environmentally suitable for transfer and reuse in support of the President's plan for economic revitalization. Four Measures of Merit have been established to gauge progress toward these goals.
Defense Site Environmental Restoration Tracking System (DSERTS)	A microcomputer-based system used to track environmental restoration activities at active installations. The system collects and maintains site-related information about environmental remediation and provides reports that detail information at the DoD Component level.
Design	Performance specifications or detailed engineering plans and specifications for constructing and implementing a final cleanup remedy.

Appendix G	Glossary
Environmental Baseline Survey (EBS)	Survey identifying real and excess property that can be considered uncontaminated as defined by CERFA. In addition to documenting uncontaminated property, the EBS numerically describes the environmental condition of the remaining property according to its status in the restoration process. The EBS is used to identify property available for transfer to the community.
Feasibility Study (FS)	A step in the CERCLA environmental restoration process. The objectives of the FS are to identify alternatives for remediation and to select and describe a Remedial Action that satisfies the applicable or relevant and appropriate requirements for mitigating confirmed environmental contamination. Successful completion of the FS should lead to unimpeded development of a Remedial Design for implementation of the selected Remedial Actions.
Federal Facility Agreement (FFA)	A legal agreement between DoD and EPA concerning the cleanup of sites on the National Priorities List. This agreement is intended to establish roles, responsibilities, and schedules and to improve communications among all parties. An FFA will become an Interagency Agreement when the statutory requirements are incorporated.
Finding of Suitability to Lease (FOSL)	The process that documents the determination that property can be leased, even while cleanup is under way. The FOSL also identifies any applicable restrictions that must accompany the lease and provides a statement of notice and access requirements under CERCLA and other lease restrictions, as appropriate.
Finding of Suitability to Transfer (FOST)	The process that documents the determination that property is environmentally suitable for transfer by deed for an intended use. The FOST also identifies any applicable restrictions on future use and provides a statement of the notice, covenant, and access requirements under CERCLA.
<b>Formerly Used Defense Sites</b> ( <b>FUDS</b> ) program is	FUDS are properties (1) that DoD or one of its components formerly owned or leased and (2) on which DoD is responsible for cleaning up any contamination. The FUDS implemented by the U.S. Army Corps of Engineers. The remediation process at FUDS parallels Installation Restoration Program (IRP) process.
Groundwater Remediation	Treatment of groundwater to remove pollutants.

Hazardous and Solid Waste Amendments (HSWA)	These are 1984 amendments to RCRA. They provide authority for the investigation and cleanup of waste sites, creating a corrective action program substantially equivalent to that under CERCLA, although some of the requirements are different. HSWA also created the Underground Storage Tank Program.
Hazardous Waste	As defined in RCRA, solid waste or a combination of solid wastes that, because of its quantity, concentration, or physical, chemical, or infectious characteristics, may cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness or pose a substantial present or potential hazard to human health or the environment if improperly treated, stored, transported, disposed of, or otherwise managed.
Information Repository	An installation's repository for copies of Installation Restoration Program (IRP) items that are made available to the public, including brochures or fact sheets, press releases, documents in the administrative record, information on the IRP, and the applicable laws. The repository should be available to the public during Removal Actions and Remedial Actions at hazardous waste sites and should be located at or near the site of the response action.
Initial Site Characterization (ISC)	A term used under the RCRA UST program to describe the collection of site information, such as the nature and estimated quantity of contaminant releases; surrounding populations; water quality, use, and well locations; stormwater and wastewater systems; climatology; land use; results of the site check and initial abatement measures; and results of any free-product removals. Equivalent to a CERCLA preliminary assessment, the site characterization should be performed after the discovery of a release from a UST.
Installation Restoration Program (IRP)	Program designed to clean up contamination associated with DoD facilities. Includes identification, investigation, and cleanup of hazardous substances, pollutants and contaminants as defined by CERCLA; DoD-unique materials; and POL contamination at operating and closing/realigning installations (including off-installation areas to which contamination has migrated) and at FUDS.

Interagency Agreement (IAG)	A formal document in which two or more federal agencies agree to cooperate. For any installation listed on the National Priorities List, the Component must enter into an IAG within 180 days of the required EPA review of the RI/FS. This IAG must identify all remedial actions required at the site.
Interim Action (IA)	An early measure to reduce the risk of releases of hazardous substances before the initiation of more complicated, comprehensive, and long-term cleanup remedies. Examples of IAs are placing fences around contaminated areas and removing and treating or disposing of contaminated soil.
Interim Remedial Action (IRA)	An interim measure that can be implemented at any time in the restoration process and that is designed to abate contamination until the final remedial action can be implemented.
Investigation	Analysis used to characterize the nature, extent, and risk of releases of hazardous substances into the environment and to develop and select a cleanup remedy.
Long-Term Monitoring (LTM)	Comprehensive evaluation of a site or sites through physical and/or electronic sampling and analysis to demonstrate that a particular remedial action has worked or is continuing to work or to show a continuing low concentration of contaminants that does not require remedial action.
Long-Term Operations (LTO)	Procedures that are initiated after a cleanup remedy has been put in place and that are necessary for maintaining the effectiveness of a cleanup project. An example of LTO is facility and building maintenance. LTO is equivalent to remedial action operations (RA-O).
Maximum Contaminant Level (MCL)	Concentration limits established by the Safe Drinking Water Act for certain elements and pollutants that may occur in drinking water.
National Contingency Plan (NCP)	The National Oil and Hazardous Substances Pollution Contingency Plan, commonly referred to as the NCP, is a set of regulations setting forth the procedures that lead agencies must follow when implementing CERCLA and the authorities of the Federal Water Pollution Control Act.

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National Environmental Policy Act (NEPA) Analysis	An analysis conducted to evaluate an installation's disposal decisions in terms of their environmental impact. The NEPA analysis is useful to the community's planning efforts and the installation's property disposal decisions. It is used to support DoD decisions on transferring property for community reuse.
National Priorities List (NPL)	Formal list of the nation's worst hazardous waste sites, as established by CERCLA.
No Further Action (NFA)	Phrase applying to any site where the possibility of contamination no longer exists and where, therefore, no additional Remedial Action is required.
No Further Remedial Action Planned (NFRAP)	Phrase referring to sites at which no further site evaluation is warranted, according to EPA or the governing authority.
Off-Base Contamination	Contaminants found to be migrating off the installation or to be coming onto the installation from off-base sources.
Operable Unit (OU)	An operable unit is a discrete part of a response action, such as groundwater cleanup or removal of contaminated soil. The cleanup of a site can be divided into a number of operable units depending on the complexity of the problems associated with the site.
Preliminary Assessment (PA)	The PA is a limited-scope investigation designed to distinguish between sites that pose little or no threat to human health and the environment and sites that require further investigation. The PA typically is based on installation records searches, visual site inspections, and interviews of personnel. (The PA formerly was referred to as an Initial Assessment Study, or IAS.)
RCRA	See Resource Conservation and Recovery Act (RCRA).
RCRA Corrective Action	The RCRA corrective action program is a cleanup program designed to ensure the remediation of hazardous releases associated with RCRA-regulated facilities. The program is enforced principally through the statutory authorities established by the Hazardous and Solid Waste Amendments of 1984 (HSWA) and is substantively equivalent to CERCLA.

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RCRA Facility Assessment (RFA)	Initial RCRA process for determining whether corrective action is warranted for a RCRA past practice or for defining what additional data must be gathered to make this determination. Equivalent to a CERCLA preliminary assessment.
RCRA Facility Investigation (RFI)	RCRA process for determining the extent of hazardous waste contamination. Equivalent to a CERCLA remedial investigation.
Record of Decision (ROD)	The document containing the final decision and agreement among the installation, the state, and EPA concerning selection of the remedial action at a site or a group of sites.
Remedial Action (RA)	CERCLA phase in which the selected cleanup technology is constructed, installed, implemented, and/or operated until confirmatory sampling and analysis indicate that cleanup levels have been reached.
Remedial Action Construction (RA-C)	This phase is equivalent to the steps from the beginning of the Remedial Action through construction completion under CERCLA. It indicates that the necessary remedial action equipment has been put in place at the site.
Remedial Action Operations (RA-O)	This phase is equivalent to CERCLA's long-term response action (LTRA). It refers to the period when a remedy is being operated but cleanup goals have not yet been reached. Not all remedies require RA-O.
Remedial Design (RD)	CERCLA phase during which construction parameters and equipment specifications for a selected cleanup technology are defined on the basis of the unique characteristics of the site.
Remedial Investigation (RI)	CERCLA process for determining the extent of hazardous substance contamination and, as appropriate, for conducting Treatability Studies. The RI provides site-specific information for the feasibility study.
Remedial Project Manager (RPM)	The person assigned to manage remedial actions or other response actions taken (or needed) at sites in the Installation Restoration Program (IRP). The RPM is responsible for coordinating, directing, and reviewing IRP work; ensuring compliance with the National Contingency Plan; and recommending action on decisions.

Remedy in Place (RIP)	Designation that a final Remedial Action has been constructed and implemented and is operating as planned in the Remedial Design. An example of a Remedy in Place is a pump-and-treat system that is installed, is operating as designed, and will continue to operate until cleanup levels have been attained. Because operation of the remedy is ongoing, the site cannot be considered Response Complete.
<b>Removal Action</b>	Part of the response process for, and often the first response to, an actual or threatened contaminant release. A Removal Action will employ any means necessary to abate, minimize, stabilize, mitigate, or eliminate the release or threat of release.
Resource Conservation and Recovery Act (RCRA)	RCRA was enacted in 1976 to address the issue of how to safely manage and dispose of the huge volumes of municipal and industrial waste generated nationwide. Specifically, the RCRA program regulates: solid waste recycling and disposal; federal procurement of products containing recycled materials; waste minimization; hazardous waste generators and transporters; hazardous waste treatment, storage and disposal facilities (TSDFs); and underground storage tanks.
Response Complete (RC)	Term indicating that the Installation Restoration Program (IRP) actions at a site or installation are deemed complete and that the site or installation is no longer a threat to public health or the environment. RC also can mean that the DoD Component is satisfied that IRP actions at a site are complete and that the proper authorities have been or are being notified, where necessary, of this determination.
Restoration Advisory Board (RAB)	An advisory group for the environmental restoration process that includes members of the public, the installation, and regulatory agencies. The purpose of a RAB is to gain effective input from stakeholders on cleanup activities and to increase installation responsiveness to community environmental restoration concerns.
Restoration Management Information System (RMIS)	A database designed to manage information about the Installation Restoration Program. By using this management tool, key personnel can track cleanup progress and expenditures throughout the restoration process for any site on any installation.

Site Closeout	Site closeout is reached when no further Installation Restoration Program response actions are appropriate or anticipated and the regulatory agencies concur with this judgment. For National Priorities List (NPL) sites, this step will include following the proper procedures for deleting the site from the NPL. The date of actual Site Closeout is the date on which the deletion appears in the <i>Federal Register</i> .
Site Inspection (SI)	A CERCLA process for acquiring the necessary data for confirming the existence of environmental contamination at identified potential sites and for assessing the associated potential risks to human health, human welfare, and the environment. The data collected at each site must be sufficient to support the decision to either continue with a Remedial Investigation and Feasibility Study or to remove the site from further investigation.
Soil Vapor Extraction (SVE)	A process that treats unsaturated soil contaminated with volatile organic compounds (VOCs). It induces the VOCs to flow through the soil to an extraction well by applying a vacuum device to the extraction wells, creating a pressure gradient that causes diffusion. The process includes a system for handling the gases. This technology is also known as in situ soil venting, in situ volatilization, enhanced volatilization, or soil vacuum extraction.
Solid Waste Management Unit (SWMU)	Any unit at a facility from which hazardous constituents might migrate, irrespective of whether the unit was intended for management of solid or hazardous waste. SWMU types include, but are not limited to, container storage areas, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators, injection wells, recycling operations, miscellaneous units, and releases from such units.
Technical Assistance Grants (TAG)	Specific allotments (of up to \$50,000 for a single recipient) that are made available by EPA to any group of individuals that may be affected by a release or threatened release at an installation that is listed on the National Priorities List under the National Contingency Plan. Such grants may be used to obtain technical assistance in interpreting information about the nature of the hazard, RI/FS, ROD, RD, selection and construction of the Remedial Action, operation and maintenance, or Removal Action at such an installation.

Technical Review Committee (TRC)	A group of technical experts that is responsible for reviewing technical reports and data for a site. A TRC is established at installations for the purpose of reviewing and commenting on actions and proposed actions concerning releases or threatened releases at the installation. The TRC consists of at least one representative from the installation, a representative of EPA, appropriate state and local authorities, and a public representative of the community involved.
Underground Storage Tank Program	The Underground Storage Tank (UST) Program was created by HSWA to regulate tanks that store either petroleum products or hazardous substances. RCRA Subtitle I establishes requirements for the management of USTs that contain petroleum products or any substance defined as hazardous under CERCLA. Investigation and cleanup of past contamination at UST sites are eligible for funding under the Environmental Restoration Program.

# Acronyms

AEC	
AEC	Army Environmental Center
AFB	Air Force Base
AFBCA	Air Force Base Conversion Agency
AFCEE	Air Force Center for Environmental Excellence
AOC	Area of Concern
AR	Administrative Record
ARAR	Applicable or Relevant and Appropriate
	Requirement
ARTT	Alternative Restoration Technology Team
ASC	Air Strategic Command
AST	Aboveground Storage Tank
ATSDR	Agency for Toxic Substances and Disease
	Registry
ВСР	BRAC Cleanup Plan
ВСТ	BRAC Cleanup Team
BEC	BRAC Environmental Coordinator
BES	Budget Estimate Submissions
BRAC	Base Realignment and Closure
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
	(solvents)
CA	Cooperative Agreement; Corrective Action
CAP	Corrective Action Plan
CAR	Contamination Assessment Report
CERCLA	Comprehensive Environmental Response,
	Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation
	Act

	ECP
CMD	Corrective Measures Design
СМІ	Corrective Measures Implementation
CMS	Corrective Measures Study
CRP	Community Relations Plan
CS	Confirmation Study
DDRE	Defense Distribution Region East
DDRW	Defense Distribution Region West
DDT	Dichlorodiphenyltrichloroethane
DERA	Defense Environmental Restoration Account
DERP	Defense Environmental Restoration Program
DERTF	Defense Environmental Response Task Force
DLA	Defense Logistics Agency
DNA	Defense Nuclear Agency
DNAPL	Dense Nonaqueous Phase Liquid
DoD	Department of Defense
DOE	Department of Energy
DON	Department of Navy
DPG	Defense Planning Guidance
DSERTS	Defense Site Environmental Restoration Tracking
	System
DSMOA	Defense and State Memorandum of Agreement
DTRA	Defense Threat Reduction Agency
DUSD(ES)	Deputy Under Secretary of Defense
	(Environmental Security)
EA	Environmental Assessment
EBS	Environmental Baseline Survey
ECP	Environmental Condition of Property

### EE/CA

EE/CA	Engineering Evaluation & Cost Analysis
EFD/A	Engineering Field Division/Activity
El	Environmental Investigation
EIS	Environmental Impact Statement (NEPA)
EPA	U.S. Environmental Protection Agency
ERA	Ecological Risk Assessment
ESD	Explanation of Significant Differences
ESI	Expanded Site Inspection
ESTCP	Environmental Security Technology Certification
	Program
FAA	Federal Aviation Administration
FFA	Federal Facility Agreement
FFID	Federal Facility Identification Number
FFS	Focused Feasibility Study
FOSL	Finding of Suitability to Lease
FOST	Finding of Suitability to Transfer
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
GAC	Granular Activated Carbon
GETS	Groundwater Extraction and Treatment System
GIS	Geographic Information System
GPR	Ground-Penetrating Radar
GPS	Global Positioning System
GWTP	Groundwater Treatment Plant
HRS	Hazard Ranking System
HSWA	Hazardous and Solid Waste Amendments
IA	Interim Action

	NCS
	NCS
IAG	Interagency Agreement
IAS	Initial Assessment Study
IR	Installation Restoration
IRA	Interim Remedial Action
IRP	Installation Restoration Program
ISC	Initial Site Characterization
IWTP	Industrial Wastewater Treatment Program
LAP	Load-Assemble-Package
LFI	Limited Field Investigations
LNAPL	Light Nonaqueous Phase Liquid
LRA	Local Redevelopment Authority
LRP	Land Reuse Plan
LTM	Long-Term Monitoring
LTO	Long-Term Operations
MCAS	Marine Corps Air Station
МСВ	Marine Corps Base
MCL	Maximum Contaminant Level
MCLB	Marine Corps Logistics Base
MOA	Memorandum of Agreement
MOM	Measures of Merit
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
NAVFAC	Naval Facilities Engineering Command
NAWC	Naval Air Warfare Center
NAWS	Naval Air Weapons Station
NCP	National Oil and Hazardous Substances Pollution
	Contingency Plan
NCS	Naval Communication Station

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### Appendix G

NELP		
NELP	Navy Environmental Leadership Program	PRG
NEPA	National Environmental Policy Act	PRP
NFA	No Further Action	PSE
NFRAP	No Further Remedial Action Planned	QEA
NOAA	National Oceanic and Atmospheric Administration	RA
NPL	National Priorities List	RA-C
NRC	Nuclear Regulatory Commission	RA-O
NWIRP	Naval Weapons Industrial Reserve Plant	RAB
O&M	Operation and Maintenance	RAC
OB/OD	Open Burning/Open Detonation	RAP
OECERT	Ordnance & Explosives Cost Effectiveness Risk	RBCA
	Tool	RC
OEW	Ordnance and Explosives Waste	RCRA
OMB	Office of Management and Budget	RD
OSD	Office of the Secretary of Defense	RDX
OU	Operable Unit	
PA	Preliminary Assessment	RFA
PAH	Polyaromatic Hydrocarbons	RFI
РСВ	Polychlorinated Biphenyl	RI/FS
PCE	Tetrachloroethene	RIP
PCP	Pentachlorophenol	RMIS
POL	Petroleum, Oil, and Lubricants	ROA
РОМ	Program Objective Memorandum	ROD
PPBS	Planning, Programming, and Budgeting System	RPM
ppm	Parts per Million	RSE
PRAP	Proposed Remedial Action Plan	SADBU
PRDA	Program Research and Development	SARA
	Announcements	

	SARA
RG	Preliminary Remediation Goal
RP	Potentially Responsible Party
SE	Preliminary Source Evaluation
EA	Qualitative Ecological Risk Assessment
A	Remedial Action
RA-C	Remedial Action Construction
RA-0	Remedial Action Operations
AB	Restoration Advisory Board
AC	Removal Action Contract
AP	Remedial Action Plan
BCA	Risk-Based Corrective Action
C	Response Complete
CRA	Resource Conservation and Recovery Act
D	Remedial Design
DX	Cyclonite/Hexahydro-1,3,5-trinitro- 1,3,4-triazine
	(an explosive)
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI/FS	Remedial Investigation/Feasibility Study
RIP.	Remedy in Place
MIS	Restoration Management Information System
OA	Report of Availability
OD	Record of Decision
PM	Remedial Project Manager
SE	Removal Site Evaluation
ADBU	Small and Disadvantaged Business Utilization
ARA	Superfund Amendments and Reauthorization Act of 1986

#### SBA

SBA	Small Business Administration
SCAPS	Site Characterization and Analysis Penetrometer
	System
SC	Site Closeout
SEAR	Surfactant-Enhanced Aquifer Remediation
SEBS	Supplemental Environmental Baseline Survey
SERDP	Strategic Environmental Research and
	Development Program
SI	Site Inspection
SSEBS	Site-Specific Environmental Baseline Survey
SSI	Screening Site Inspection
SVE	Soil Vapor Extraction
SWMU	Solid Waste Management Unit
TAG	Technical Assistance Grant
ТАРР	Technical Assistance for Public Participation
ТСА	Trichloroethane

VSI
Trichloroethene
Time-Critical Removal Action
Total Environmental Restoration Contract
Trinitrotoluene
Total Petroleum Hydrocarbons
Technical Review Committee
Treatability Study
U.S. Army Corps of Engineers
Under Secretary of Defense (Acquisition and
Technology)
U.S. Fish and Wildlife Service
U.S. Geological Survey
Underground Storage Tank
Unexploded Ordnance
Volatile Organic Compound
Visual Site Inspection

# **Reporting Requirements Summary**

CERCLA §120(e)(5); 42 U.S.C. §9620(e)(5)	Location in DERP Annual Report to Congress	
Each department, agency, or instrumentality responsible for compliance with this section shall furnish an annual report to Congress concerning its progress in implementing the requirements of this section. Such reports shall include, but shall not be limited to, the following:		
<ul> <li>A) A report on the progress in reaching interagency agreements under this section.</li> <li>B) The specific cost estimates and budgetary proposals involved in each interagency agreement.</li> <li>C) A brief summary of the public comments regarding each proposed interagency agreement.</li> <li>D) A description of the instances in which no agreement was reached.</li> </ul>	Appendix C:	Interagency Agreements, DSMOAs, and Cooperative Agreements
<ul> <li>E) A report on progress in conducting investigations and studies under paragraph (1).</li> <li>F) A report on progress in conducting remedial actions.</li> <li>G) A report on progress in conducting remedial actions at facilities that are not listed on the National Priorities List.</li> </ul>	Appendix B:	Program Status Tables
With respect to instances in which no agreement was reached within the required time period, the department, agency, or instrumentality filing the report under this paragraph shall include in such report an explanation of the reasons why no agreement was reached. The annual report required by this paragraph shall also contain a detailed description on a state-by-state basis of the status of each facility subject to this section, including a description of the hazard presented by each facility, plans and schedules for initiating and completing response action, enforcement status (where appropriate), and an explanation of any postponements or failure to complete response action. Such report shall also be submitted to the affected states.	Appendix B:	InstallationNarrative Summaries Program Status Tables Interagency Agreements, DSMOAs, and Cooperative Agreements

#### National Defense Authorization Act for Fiscal Year 1997 §325(h) (Public Law 104-201)

Location in DERP Annual Report to Congress

In the annual report required under section 2706(a) of title 10, United States Code, the Secretary shall include information on the land use plans developed under this section and the effect such plans have had on environmental restoration activities at defense sites where they have been implemented.

The annual report submitted in 1999 shall include recommendations on whether such land use plans should be developed and implemented throughout the Department of Defense.

Every installation has a master plan that contains information on current and anticipated land use at the installation. This plan also contains information on current, planned, and future construction projects with schedules. The master plan is similar in concept to a "zoning map," and the master planning process serves the same function as the land use and construction permitting process used by local and municipal governments. The installation master plan would be the source of any land use assumptions required for environmental restoration actions at the installation. Separate land use plans would be duplicative of the current system and would provide no added benefit. DoD believes that it is meeting the land use plan requirement through its current practices.

SARA §2	11; 10 U.S.C. §2706	Location in DERP Annual Report to Congress
<ul> <li>(a) <u>Report on Environmental Restoration Activities</u>.</li> <li>(b) The Secretary of Defense shall submit to the Congress each year, not later than 30 days after the date on which the President submits to the Congress the budget for a fiscal year, a report on the progress made by the Secretary in carrying out environmental restoration activities at military installations.</li> <li>(a) Each such report shall include, with respect to environmental restoration activities for each military installation, the following:</li> </ul>		
A) B) C) D) E) F) G) H) D) J)	<ul> <li>A statement of the status of the response actions proposed for or initiated at the military installation.</li> <li>A statement of the total cost estimated for such response actions.</li> <li>A statement of the amount of funds obligated by the Secretary for such response actions, and the progress made in implementing the response actions during the fiscal year preceding the year in which the report is submitted, including an explanation of <ol> <li>any cost overruns for such response actions, if the amount of funds obligated for such response actions exceeds the estimated cost for those response actions by the greater of 15 percent of the estimated cost or \$10,000,000; and</li> <li>any deviation in the schedule (including a milestone schedule specified in an agreement, order, or mandate) for such response action of more than 180 days.</li> </ol> </li> <li>A statement of the amount of funds requested for such response action for the five fiscal years following the fiscal year in which the report is submitted.</li> <li>A statement of the total costs incurred for such response actions as of the date of submission of the report.</li> </ul>	Appendix B: Program Status Tables

SARA §211; 10 U.S.C. §2706(a) As Amended by the FY96 National Defense Authorization Act, §321(b)	Location in DERP Annual Report to Congress	
The Secretary of Defense shall include in the report submitted to Congress, with respect to fiscal year 1998, under section 2706(a) of title 10, United States Code, information on the services, if any, obtained by the Secretary during FY96 pursuant to each agreement on a reimbursable basis entered into with a State or local government agency under section 2701(d) of title 10, United States Code, as amended by subsection (a).		
The information shall include a description of the services obtained under each agreement and the amount of the reimbursement provided by the services.	This information was provided in the FY97 DERP Annual Report to Congress.	
10 U.S.C. §2702 (Note); FY98 National Defense Authorization Act		
In the annual report required under title 10, United States Code §2706(a), the Secretary shall include the following information with respect to cooperative agreements entered into under this section:		
<ol> <li>The number of such partnerships.</li> <li>A description of the nature of the technology involved in each such partnership.</li> <li>A list of all parnters in such partnerships.</li> </ol>	Appendix A: Installation Narrative Summaries Appendix C: Interagency Agreements, DSMOAs, and Cooperative Agreements	
Strom Thurmond National Defense Act Authorization for Fiscal Year 1999 Conference Report to Accompany H.R. 3616, Title III, page 630		
The conferees direct that the Secretary of Defense include in the fiscal year 1998 annual report on environmental restoration (10 U.S.C. 2706(a)) a description of the sites, human health risks, costs, and delays, if any, related to the EPA enforcement of response action requirements for lead-based paint at DoD sites.	Appendix E: Lead-Based Paint	

# Web Sites

	WEB SITES	DESCRIPTION	INTERNET LOCATION
DoD	BRAC Home Page	BRAC information, policy and guidance documents, points of contact, factsheets, tools, and other BRAC-related publications	http://www.dtic.mil/envirodod/brac/index.html
	Defense Environmental Restoration Task Force Home Page	The DERTF Annual Report to Congress, Meeting Minutes, information on past and future meetings, and other DERTF-related publications	http://www.dtic.mil/envirodod/brac/dertf.html
	DERP Report to Congress	On-line copy of the 1994 through 1997 DERP Reports to Congress	http://www.dtic.mil/envirodod/envdocs.html
	Devolvement of the Defense Environmental Restoration Account	Report to Congress describing the benefits of disbursing funds to each service and providing answers to questions and congressional concerns	http://www.dtic.mil/envirodod/derpreport96/vol1/ fact1.html
	DoD Environmental Cleanup Home Page	Web resource for up-to-date information on DoD's billion dollar cleanup program	http://www.dtic.mil/envirodod/index.html
	DoD Relative Risk Site Evaluation Primer	Provides information on the Relative Risk Site Evaluation framework being used by DoD and detailed instructions on conducting relative riskevaluations	http://www.dtic.mil/envirodod/relrisk/relrisk.html
	Office of the Deputy Under Secretary of Defense Environmental Security (DUSD(ES))	Home page for DUSD(ES), providing general information about the Office and its leaders, as well as links to other sites	http://www.acq.osd.mil/ens/
	Proposed RAB Rule	DoD's 1996 proposed rule, which is awaiting finalization	http://www.dtic.mil/envirodod/rab/ rab_fedr.html
	Final TAPP Rule	DoD's final rule on facilitating public participation in the DoD restoration program	http://www.dtic.mil/envirodod/rab/63fr_tapp.html
	RAB Information Home Page	Provides list of publications and information about RABs	http://www.dtic.mil/envirodod/rab/

	WEB SITES	DESCRIPTION	INTERNET LOCATION
DOD	RAB Resource Book	Provides a summary of DoD policy on various aspects of establishing and operating RABs and lists several other sources of information	http://www.dtic.mil/envirodod/rab/rabresource/
Army	U.S. Army Corps of Engineers Environmental Division	Provides general information on all aspects of the USACE	http://www.environmental.usace.army.mil/ environmental/access/
	Office of Director of Environmental Programs-Army	Includes the Army's environmental mission and policy statement as well as recent Army news and links	http://www.hqda.army.mil/acsimweb/env/ env1.htm
	U.S. Army Environmental Center	Provides general information on all aspects of the USAEC	http://aec-www.apgea.army.mil:8080/
	U.S. Army BRAC Office	Provides general information on all aspects of the BRAC program as well as recent news and data	http://www.hqda.army.mil/acsimweb/brac/ braco.htm
Navy	Department of the Navy Environmental Program	Includes the Navy's environmental mission and policy statement, as well as recent news and links to other Navy and environmental sites	http://enviro.navy.mil/
	Department of Navy 5-Year Environmental Restoration Plan	A look at the Navy's plan for identifying and assessing potential areas of environmental contamination from FY97 through FY01	http://5yrplan.nfesc.navy.mil/
	NELP (Navy Environmental Leadership Program)	Provides information on the program and lists other resources, including recent publications	http://nelp.navy.mil
	NFESC (Naval Facilities Engineering Service Center) Environmental Services	Provides general information about the center, its technical products, and its available services for assisting in technology transfer	http://www.nfesc.navy.mil/enviro/index.html
USMC	U.S. Marine Corps Environmental Program	Provides information on USMC environmental mission, programs, and news	http://www.hqmc.usmc.mil/enviro1/
Air Force	Air Force Center for Environmental Excellence	Provides general information about the AFCEE and its products and services	http://www.afcee.brooks.af.mil/

	WEB SITES	DESCRIPTION	INTERNET LOCATION
Air Force	Air Force Environmental Home Page	Includes the Air Force's environmental mission and policy statement, as well as recent news	http://www.af.mil/environment/
	Air Force Base Conversion Agency	Provides general information about Air Force's BRAC program BRAC bases	http://www.afbca.hq.af.mil/
	PRO-ACT	Air Force's environmental information clearinghouse and research service	http://www.afcee.brooks.af.mil/pro-act
DLA	DLA Environmental and Safety Policy Office (CAAE)	Provides information about the CAAE and links to DLA and other resources	http://www.caae.hq.dla.mil/
	Hazardous Technical Information Services (HTIS)	HTIS is a support function, operated by DLA, that provides consultation services to DoD personnel worldwide	http://www.dscr.dla.mil/htis/htis.htm
FUDS	FUDS	A USACE-sponsored site that describes FUDS projects	http://www.environmental.usace.army.mil/ environmental/access/fuds.html
EPA	EPA	EPA home page containing links to all regions and resources	http://www.epa.gov
	EPA Office of Solid Waste and Emergency Response	Provides information about RCRA and solid waste definitions and programs	http://www.epa.gov/swerrims/
	Superfund	Information about the Superfund program and sites	http://www.epa.gov/superfund/
Other	AIR RISC Hotline	Information on health, exposure, and risk assessment of toxic air pollutants	http://www.epa.gov/earth100/records/ a00119.html
	Asbestos Abatement Management Ombudsman	Information on asbestos abatement	http://www.epa.gov/earth100/records/a00193.htm
	DENIX (Defense Environmental Network & Information Exchange)	Provides DoD personnel in the environmental security arena with up-to-date information on environmental issues, legislation, and DoD guidance	http://denix.cecer.army.mil/

	WEB SITES	DESCRIPTION	INTERNET LOCATION
Other (continued)	DOIT (Develop On-site Innovative Technologies) Committee Report	Committee report containing committee findings on cooperative approaches to technical solutions	http://www.westgov.org/wga/publicat/ doitweb.htm
	DSMOA	A guide to the DSMOA program and process	http://www.environmental.usace.army.mil/ environmental/access/dsmoa.html
	Emission Factor Clearinghouse	Air pollution emission factors for criteria and toxic pollutants from stationary and area sources, and from mobile sources	http://www.epa.gov/ttn/chief/
	Environmental Security Technology Certification Program (ESTCP)	yProvides general information on projects and documents that describe the program	http://www.estcp.org
	Hazardous Materials and Oil Spills Hotline	National Response Center in the event of hazardous material spills. Also provides reporting information	http://www.nrc.uscg.mil/index.html
	Partnering Guide for Environmental Missions of the Air Force, Army, and Navy (1996)	Publication on the partnering process, its benefits, and its application	http://www.hq.usace.army.mil/cemp/c/ partner.htm
	Pollution Prevention Home Page	Pollution prevention guidance and documents	http://www.epa.gov/opptintr/p2home
	RCRA/Superfund/Underground Storage Tank Hotline	Information on RCRA, Superfund, UST, SPCC, EPCRA, Oil Pollution Act (OPA), RMP, and pollution prevention	http://www.epa.gov/epaoswer/hotline
	Office of Ground Water & Drinking Water	Safe Drinking Water Act and amendments, information on policy and regulations regarding public water supply programs	http://www.epa.gov/ogwdw
	Watershed Information Resource System	Information on lake restoration, management, and protection	http://www.terrene.org/wirsdata.htm
	Wetlands Protection	Information on the value and function of wetlands	http://www.epa.gov/owow/wetlands/

# Offices to Contact

For additional general information about the Defense Environmental Restoration Program and information about specific initiatives, write to: Office of the Assistant Deputy Under Secretary of Defense (Environmental Security/Cleanup)

3400 Defense Pentagon Washington, DC 20301-3400

For additional information about the activities of specific DoD components, write to:

#### Department of the Army\*

Office of the Deputy Assistant Secretary of the Army for Environment, Safety, and Occupational Health 110 Army Pentagon Washington, DC 20310-0110

#### Department of the Navy\*\*

Office of the Deputy Assistant Secretary of the Navy for Environment and Safety 1000 Navy Pentagon Washington, DC 20350-1000

#### Defense Threat Reduction Agency

45045 Aviation Drive Dulles, VA 20166-7517

\*Includes FUDS \*\*Includes Marine Corps

#### For information on small business, write to: OSD Small and Disadvantaged Business Utilization Office 3061 Defense Pentagon Washington, DC 20301-3061

Army Small Business Office Attn: SADBU 106 Army Pentagon Room 2A712 Washington, DC 20301-0106

Navy Small and Disadvantaged Business Utilization Office 2211 Jefferson Davis Highway Arlington, VA 22244-5102

#### Department of the Air Force

Office of the Deputy Assistant Secretary of the Air Force for Environment, Safety, and Occupational Health 1660 Air Force Pentagon Washington, DC 20330-1660

#### **Defense Logistics Agency**

Environmental and Safety Policy Office 8725 John J. Kingman Road Suite 2553 Fort Belvoir, VA 22060-6221

#### Army Corps of Engineers Small Business Office 20 Massachusetts Avenue, NW, #4117 Washington, DC 20014-1000

Air Force Small Business Office SAF/CB 1060 Air Force Pentagon Washington, DC 20330-1060