

# Environmental Restoration Program Transparency



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for Acquisition and Sustainment

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## I. INTRODUCTION

The explanatory statement accompanying H.R. 2617, the Consolidated Appropriations Act, 2023, division C, pages 27-28, requests that the Secretary of Defense and the Service Secretaries provide a report on Environmental Restoration Program implementation to the congressional defense committees. The explanatory statement requests that the report include an explanation of the evaluation processes and criteria; and a spend plan for Environmental Restoration Account (ERA) activities along with project location, funding history, and total cost. This report provides the information the congressional defense committees requested from the Secretary of Defense as well as the Service Secretaries.

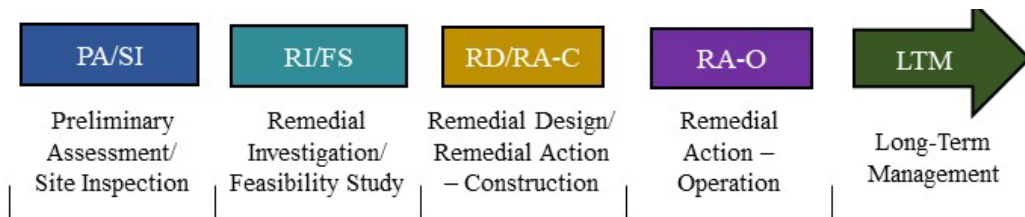
The Department of Defense (DoD) is taking cleanup actions to address contamination from DoD activities nationwide. DoD’s cleanup program follows the federal cleanup law (i.e., the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [CERCLA], also known as “Superfund”) to address DoD releases and determine the appropriate cleanup actions based on risk.

## II. EVALUATION PROCESSES AND CRITERIA

DoD is committed to protecting human health and the environment by conducting cleanup under CERCLA. DoD follows the CERCLA process to fully investigate releases, prioritize responses, and determine the appropriate cleanup actions based on risk to human health and the environment. The phases in the CERCLA process include the following, as shown in Figure 1:<sup>1</sup>

- Preliminary Assessment (PA)/Site Inspection (SI)
- Remedial Investigation (RI)/Feasibility Study (FS)
- Remedial Design (RD)/Remedial Action-Construction (RA-C)
- Remedial Action-Operation (RA-O)
- Long-Term Management (LTM)

**Figure 1: CERCLA Process**



In addition to these phases, CERCLA can include short-term actions called “removal” or “interim” actions, which DoD conducts to address contaminants quickly to prevent, minimize, or mitigate damage to public health or welfare or to the environment. Removal actions can occur at

<sup>1</sup> Sites do not have to progress through all CERCLA phases. For example, no further action may be required at the end of the RI/FS phase. In addition, some sites may not require an RA-O or LTM phase if response actions completed during the RD/RA-C phase are sufficient to clean up the sites.

any time during the CERCLA process. Typically, a removal action does not provide a final response action, and the site will continue through the CERCLA remedial process after completion of the removal action.

DoD tailors the actual sequence, timing, and scope of cleanup actions to site-specific conditions. Additionally, the Department prioritizes resources and addresses sites where risk to human health is the highest. As DoD moves through the CERCLA process, it works in collaboration with regulatory agencies, communities, and other stakeholders to ensure open and transparent information sharing. Refer to Appendix A for additional information about the CERCLA process; Appendix B for information about the Relative Risk Site Evaluation Framework DoD uses to prioritize Installation Restoration Program sites for cleanup; and Appendix C for information about the Munitions Response Site Prioritization Protocol DoD uses to prioritize munitions response sites for cleanup.

### **III. SPEND PLAN**

The DoD Components plan to obligate \$1.45 billion in ERA funding at 800 active installations, National Guard facilities, and Formerly Used Defense Sites (FUDS) properties in Fiscal Year (FY) 2023; these locations are listed in Appendix D. Appendix D also provides the state or U.S. territory in which each active installation, National Guard facility, and FUDS property is located, as well as the actual ERA obligations through FY 2022, planned ERA obligations in FY 2023, and planned ERA obligations after FY 2023 through the site closeout (SC)<sup>2</sup> milestone.

The cost estimates in Appendix D are based on information available as of the end of FY 2022. DoD expects the estimates to increase as the DoD Components complete initial assessments and learn more about the extent of the cleanup required to address per- and polyfluoroalkyl substances (PFAS). Additionally, the Department anticipates that the estimates will increase based on the U.S. Environmental Protection Agency (EPA) issuing the following new guidance and regulations concerning PFAS:

- In May 2022, EPA issued new regional screening levels for certain PFAS, and DoD will incorporate these new screening values into its cleanup process. This will involve DoD changing the screening level that it uses to determine whether a site moves from a PA/SI to an RI, from 40 parts per trillion (ppt) for perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) individually, to 4 ppt for PFOS and 6 ppt for PFOA (in groundwater used for drinking water). The Department is currently assessing the effects of these changes on its cleanup activities to include the additional work required and the associated increased costs.
- In June 2022, EPA announced updated interim lifetime drinking water Health Advisories (HAs) for PFOS at 0.02 ppt and PFOA at 0.004 ppt. These levels for PFOS and PFOA

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<sup>2</sup> SC is the stage at which DoD has completed active management and monitoring at an environmental restoration site, and no additional environmental restoration funds will be expended at the site. SC occurs when environmental restoration goals have been achieved that allow unlimited use and unrestricted exposure of the property (e.g., no further LTM, including land use controls, is required).

are a significant reduction from the May 2016 HAs of 70 ppt. As EPA stated, these levels are non-regulatory, non-enforceable, and currently below the levels of both detection (the ability to determine whether a substance is present) and quantitation (the ability to reliably determine how much of a substance is present) of 4 ppt.

- In March 2023, EPA proposed a regulatory drinking water standard for six PFAS, including PFOS and PFOA. The Department looks forward to the clarity that a final nationwide regulatory standard will provide. In anticipation of EPA issuing a drinking water regulation and to account for emerging science that shows potential health effects of PFOS and PFOA at levels lower than 70 ppt, the Department is evaluating actions to prepare to incorporate this new standard, such as reviewing current data and conducting additional sampling where necessary. Also, DoD will incorporate nationwide PFAS guidance issued by EPA and applicable to all CERCLA owners and operators as to when to provide alternate water when PFAS are present.

The Department also expects the cost estimates in Appendix D to increase as the Army and Air Force transition National Guard sites to the Defense Environmental Restoration Program (DERP), pursuant to section 311 of the National Defense Authorization Act for FY 2023 (Public Law 117-263). The DoD Components will plan and program for these PFAS and National Guard requirements as they are defined.

#### **IV. CONCLUSION**

DoD is taking action under CERCLA to address contamination from DoD activities nationwide. The DoD Components plan to obligate \$1.45 billion in ERA funding at 800 active installations, National Guard facilities, and FUDS properties in FY 2023 to address this contamination. They plan to obligate an additional \$26.45 billion in ERA funding after FY 2023 to complete the remaining cleanup at the locations listed in Appendix D. The Department expects this estimate to increase as the DoD Components complete initial assessments and learn more about the extent of the cleanup required to address PFAS, due to EPA issuing new guidance and regulations concerning PFAS, and due to the transition of National Guard sites to the DERP. The Department is currently assessing the effects of these changes on its cleanup activities and will plan and program for these requirements as they are defined.

## **Appendix A: The Comprehensive Environmental Response, Compensation, and Liability Act Process**

### **Background**

The Department of Defense (DoD) is taking cleanup actions at active military installations, National Guard facilities, Formerly Used Defense Sites properties, and Base Realignment and Closure locations to address contamination from DoD activities nationwide. DoD's cleanup program follows the federal cleanup law (i.e., the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 [CERCLA], also known as "Superfund") to address DoD releases and determine the appropriate cleanup actions based on risk. DoD's plan for cleanup consists of following the CERCLA process to investigate releases, prioritize responses, and determine appropriate cleanup actions based on risk to human health and the environment. The Defense Environmental Restoration Program (10 U.S. Code §§ 2700-2711) provides authorities to DoD to perform and fund these actions and requires that they be carried out in accordance with CERCLA. The phases in the CERCLA process include the following:<sup>1</sup>

- Preliminary Assessment (PA)/Site Inspection (SI)
- Remedial Investigation (RI)/Feasibility Study (FS)
- Remedial Design (RD)/Remedial Action-Construction (RA-C)
- Remedial Action-Operation (RA-O)
- Long-Term Management (LTM)

In addition to the phases listed above, CERCLA can include short-term actions called "removal" or "interim" actions, which DoD conducts to address contaminants quickly to prevent, minimize, or mitigate damage to public health or welfare or to the environment. Removal actions can occur at any time during the CERCLA process. Typically, a removal action does not provide a final response action, and the site will continue through the CERCLA remedial process after completion of the removal action.

DoD tailors the actual sequence, timing, and scope of cleanup actions to site-specific conditions. Additionally, the Department prioritizes resources and addresses sites where risk to human health is the highest. As DoD moves through the CERCLA process, it works in collaboration with regulatory agencies, communities, and other stakeholders to ensure open and transparent information sharing. The following sections explain in more detail the Department's plan for addressing contamination from DoD activities nationwide.

### **Preliminary Assessment/Site Inspection (Initial Study Phase)**

During the PA, DoD reviews existing information to identify locations where DoD activities may have caused a release. This phase involves reviewing historical operations, documents, and maps located both on the installations and in national archives, as well as interviewing Military Service members and civilians who have historical knowledge of the operations that may have contributed to a potential release. Once completed, the PA identifies sites that may require a CERCLA response action and will continue in the CERCLA process.

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<sup>1</sup> Sites do not have to progress through all CERCLA phases. For example, no further action may be required at the end of the RI/FS phase. In addition, some sites may not require an RA-O or LTM phase if response actions completed during the RD/RA-C phase are sufficient to clean up the sites.

## **Appendix A: The Comprehensive Environmental Response, Compensation, and Liability Act Process**

The next step in the CERCLA process is to perform an SI on locations identified during the PA to confirm whether a release occurred. The SI typically involves sampling environmental media, such as soil or groundwater, and collecting and analyzing other data to determine the need for further action. DoD drafts the SI report, provides a copy to regulators for review, and makes the final report available to the public in the information repository located at or near the cleanup site. A typical PA/SI takes approximately one to three years to complete.

Once the DoD Components have information from the PA/SI, they can make informed decisions about which sites need to move to the next phase (i.e., the RI/FS phase). For sites moving to the next phase, DoD uses the data it gathered during the PA and SI to prioritize sites that require further action. DoD follows the federal cleanup law, which includes prioritizing sites for cleanup using a risk-based process – essentially, “worst first.” The Department’s focus is the health and safety of its men and women in uniform, their families, its civilian workforce, and the communities surrounding its installations. DoD uses risk-based methodologies to determine the sequence for funding actions at Installation Restoration Program sites and Munitions Response Sites. Therefore, DoD addresses sites that pose a greater potential risk to human health or the environment before it addresses sites posing a lesser risk. This approach ensures that DoD makes the best use of available resources to steadily move sites through the cleanup process while protecting human health, safety, and the environment.

### **Remedial Investigation/Feasibility Study (Detailed Study)**

During the RI, DoD collects detailed information through field investigations to characterize site conditions. This phase involves determining the nature and extent of the release (e.g., the source, how widespread the release is); assessing actual and potential exposure pathways; and evaluating risks to human health (e.g., conducting a human health risk assessment) and the environment. In accordance with the U.S. Environmental Protection Agency’s (EPA’s) longstanding risk assessment policies, DoD conducts appropriate human health, explosives safety, and ecological site-specific risk assessments to identify the risks to human health, safety (particularly explosives safety), and the environment. The results of the baseline risk assessment generally determine if an unacceptable risk exists. If contamination at a site is below the unacceptable risk level, no further work is required.

If site-related contamination results in an unacceptable risk to human health and the environment based on EPA’s risk assessment policies, then DoD will conduct an FS. During the FS, DoD develops, screens, and evaluates remedial cleanup alternatives in detail; assesses the potential performance of each alternative to meet site-specific cleanup goals; and works with regulators to select a permanent solution that is protective of human health and the environment. All cleanup remedy evaluations must be based on an analysis using the nine criteria found in the CERCLA regulations (i.e., National Oil and Hazardous Substances Pollution Contingency Plan [NCP]).<sup>2</sup> DoD also develops a draft FS report, which goes through internal and regulator reviews and comment adjudication. The RI/FS phase typically takes approximately three to six years to complete.

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<sup>2</sup> The NCP nine criteria include overall protection of human health and the environment; compliance with applicable or relevant and appropriate requirements; long-term effectiveness and permanence; reduction of toxicity, mobility, or volume; short-term effectiveness; implementability; cost; state acceptance; and community acceptance.

## **Appendix A: The Comprehensive Environmental Response, Compensation, and Liability Act Process**

CERCLA also requires a proposed plan, which summarizes the RI/FS; provides a brief description of the cleanup alternatives evaluated; discusses the rationale that supports the preferred cleanup alternative; and summarizes formal comments received from supporting agencies. After the completion of the proposed plan, and the opportunity for public comment, DoD selects the remedy in the decision document. In the decision document, DoD identifies the final selected cleanup remedy and the cleanup level it is working to achieve, and considers public comments and community concerns. DoD provides the decision document to regulators for review. For sites on EPA's National Priorities List, DoD must obtain regulatory concurrence on the decision document.

### **Remedial Design/Remedial Action-Construction/Remedial Action-Operation (Cleanup)**

During the Cleanup phase, DoD develops the design plans and specifications of the selected cleanup remedy in the decision document, which regulators review, and constructs or implements the selected cleanup remedy. DoD documents that it has constructed and installed the remedy and provides this documentation to the regulators. The RD/RA-C process typically takes approximately two to four years to complete.

After constructing the remedy, DoD operates, maintains, and monitors the cleanup system and site until it achieves the cleanup level(s) in the decision document. The RA-O phase may also include implementation, management, and maintenance of land use controls (LUCs) and may take from 1 to 30 or more years to complete, or in some cases may continue in perpetuity. During this time, DoD optimizes the systems, ensures the systems are operating properly, performs sampling to monitor progress, and verifies that the sites are protective of human health and the environment.

The Department measures cleanup progress against the Response Complete milestone, which occurs when cleanup activities are complete and DoD has documented this determination and sought regulatory agreement (although DoD or a subsequent landowner may continue to monitor the site).

### **Long-Term Management**

Following achievement of the Response Complete milestone, DoD may monitor the long-term protectiveness of the remedy during the LTM phase. The LTM phase is required when the cleanup levels do not allow unrestricted use of the property. Actions during this phase may involve monitoring site conditions, implementing and managing LUCs, and performing five-year reviews. DoD closes out a site only when there is no future environmental liability at the site (i.e., when cleanup goals have been achieved that allow for unlimited use and unrestricted exposure). However, not all sites can achieve unlimited use and unrestricted exposure; some may remain in the LTM phase in perpetuity.



## Appendix B: Relative Risk Site Evaluation Framework

The Department of Defense’s (DoD’s) Installation Restoration Program (IRP) addresses contamination from hazardous substances, pollutants, or contaminants at active installations, Base Realignment and Closure (BRAC) locations, and Formerly Used Defense Sites (FUDS) properties in the United States. As of September 2022, DoD identified nearly 34,800 IRP sites that may require cleanup (e.g., investigation, removal actions, and remedial actions). This appendix describes how DoD prioritizes cleanup at these IRP sites.

The table below summarizes the cleanup status of IRP sites at active installations, BRAC locations, and FUDS properties. The table presents the number of IRP sites in the inventory and the number of sites at Response Complete (RC)<sup>1</sup> through Fiscal Year (FY) 2022.

<b>IRP Sites as of FY 2022</b>			
	<b>Total IRP Inventory</b>	<b>Number of IRP Sites at RC Through FY 2022</b>	<b>Percentage of IRP Sites at RC Through FY 2022</b>
Active Installations	23,205	19,879	86%
BRAC Locations	8,461	7,969	94%
FUDS Properties	3,123	2,730	87%

### **Background**

DoD carries out the Defense Environmental Restoration Program in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (See 10 U.S. Code § 2701.). DoD incorporated CERCLA’s risk-based approach into its site prioritization process. The Department developed the relative risk site evaluation (RRSE) framework to provide a consistent approach to prioritize sites with a known or suspected release of hazardous substances, pollutants, or contaminants for cleanup. The RRSE framework enables DoD to identify the most urgent sites for cleanup and focus resources on high-risk sites first. The RRSE framework is restricted to IRP sites and does not apply to munitions response sites, building demolition/debris removal sites, potentially responsible parties (PRP) sites, compliance activities, or locations outside of the United States.

Based on recommendations in a 1994 General Accounting Office report and the Federal Facilities Environmental Restoration Dialogue Committee, the DoD formed a workgroup that developed the RRSE framework in consultation with regulators and community stakeholders. In the fall of 1995, DoD published the RRSE Primer, including instructions for performing RRSEs at sites across the DoD: <https://www.denix.osd.mil/references/dod/policy-guidance/relative-risk-site-evaluation-primer/>.

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<sup>1</sup> The Department measures cleanup progress against the RC milestone, which occurs when the cleanup activities are complete (although DoD or a subsequent owner may continue to monitor the site).

## ***RRSE Framework***

DoD conducts RRSEs at the site level to prioritize IRP sites into three categories (high, medium, or low relative risk) based on an evaluation of site-specific information using three factors: 1) the nature and extent of the site's contamination, 2) the likelihood that contaminants will migrate, and 3) potential impacts on human and ecological receptors.

The DoD based these factors on CERCLA's baseline risk assessment process. At the end of the risk evaluation process, DoD will assign a relative risk rating (high, medium, or low) to each environmental medium (groundwater, surface water, sediments, surface soils). DoD then prioritizes the site based on the environmental medium with the highest relative risk rating. The DoD Components implement quality assurance procedures to ensure they are performing RRSEs in accordance with the RRSE framework and consistent across all sites.

## ***Alternative Rating***

RRSEs are based on the information currently available on the three factors (contaminants, migration pathways, and receptors). If DoD does not have sufficient information to conduct an RRSE at a site, it will give the site a "Not Evaluated" designation. DoD then programs these sites for additional study, a removal action if warranted, or other appropriate response action. DoD will apply the RRSE as soon as it has the necessary information.

## **Sequencing Decisions**

DoD determines the funding priority for a site after combining relative risk information with other important risk management considerations (e.g., regulatory consideration at a particular installation or site, stakeholder concerns, program execution considerations, and economic factors). When sequencing BRAC locations for cleanup, the DoD Components also consider reuse needs and priorities, as well as property transfer and redevelopment plans.

## **Stakeholder Involvement**

DoD offers regulators and public stakeholders opportunities to participate in the development and review of the RRSE. For example, the Community Involvement Plan provides the site-specific strategy for meaningful community involvement throughout the cleanup process. Where they exist, DoD uses Restoration Advisory Boards (RABs) as a forum for obtaining public stakeholder review and input on RRSEs.

## Appendix C: Munitions Response Site Prioritization Protocol

### **Background**

For decades, the Department of Defense (DoD) has used military munitions in training and testing to ensure force readiness. Munitions remaining on former military ranges may present explosive, human health, and environmental hazards at active installations, Base Realignment and Closure (BRAC) locations, and Formerly Used Defense Sites (FUDS) properties in the United States. DoD is responsible for cleaning up former ranges, storage areas, and disposal sites. This appendix describes how DoD prioritizes its cleanup actions at these munitions response sites (MRSs).

In 2001, the Department formally established the Military Munitions Response Program (MMRP) to address the hazards posed by past military munitions-related activities. As of September 2022, DoD identified 5,538 sites eligible for the MMRP, that may require cleanup (e.g., investigation, removal actions, and remedial actions). The table below summarizes the cleanup status of MRSs at active installations, BRAC locations, and FUDS properties. Specifically, the table presents the number of sites in the MRS inventory and the number of sites at Response Complete (RC)<sup>1</sup> through Fiscal Year (FY) 2022.

<b>MRSs as of FY 2022</b>			
	<b>Total MRS Inventory</b>	<b>Number of MRSs at RC Through FY 2022</b>	<b>Percentage of MRSs at RC Through FY 2022</b>
Active Installations	2,857	2,299	80%
BRAC Locations	363	293	81%
FUDS Properties	2,318	1,066	46%

### **The Munitions Response Site Prioritization Protocol (the Protocol)**

To efficiently and effectively conduct cleanup at all MRSs, the Department must prioritize these sites based on the potential risk posed to human health and the environment. Although DoD developed the Relative Risk Site Evaluation (RRSE) framework to prioritize sites with a known or suspected release of hazardous substances, pollutants, or contaminants, the RRSE did not address the explosive safety risk unique to munitions.

In 2002 Congress directed DoD to develop a protocol for assigning MRSs a relative priority for response activities (10 U.S. Code [U.S.C.] § 2710). DoD convened a workgroup with personnel knowledgeable in explosive safety and munitions response to develop the framework for prioritizing MRSs. This workgroup engaged in a collaborative process with the States, Indian and Alaska Native Tribes, and federal agencies to develop a methodology to assign a relative priority.

On October 5, 2005, DoD published the Munitions Response Site Prioritization Protocol (referred to as the Protocol) as a Federal Rule, codified at 32 CFR 179:

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<sup>1</sup> The Department measures cleanup progress against the RC milestone, which occurs when the cleanup activities are complete (although DoD or a subsequent owner may continue to monitor the site).

<https://www.denix.osd.mil/mmrp/mrspp/home/>.

The Protocol requires the DoD Components to apply the prioritization methodology to determine a relative priority for cleanup at MRSs. As explained below, the priority assigned is based on the overall conditions at each MRS, as well as other factors as appropriate.

### ***Locations Where the Protocol Will Be Applied***

In accordance with 10 U.S.C. § 2710, DoD is required to apply the Protocol to “defense sites”:

- Currently or previously owned by, leased to, or otherwise possessed or used by DoD;
- Known or suspected to contain unexploded ordnance, discarded military munitions, or munitions constituents; and
- Included in the inventory of defense sites.

Congress excluded from its definition of “defense sites”:

- Operational ranges;
- Locations that are not, or were not, owned by, leased to, or otherwise possessed or used by DoD (e.g., current and former ranges owned by a state’s National Guard);
- Locations neither known to contain, or suspected of containing, unexploded ordnance, discarded military munitions, or munitions constituents;
- Locations outside of the United States;
- Locations where the presence of military munitions results from combat operations (e.g., Civil War battlefields);
- Currently operating military munitions storage and manufacturing facilities; and
- Locations that are used for, or were permitted for, the treatment or disposal of military munitions.

### ***Three Hazard Evaluation Modules***

The potential risk posed by past munitions activities at each MRS is determined through the Protocol’s central feature, three hazard evaluation modules:

- Explosive Hazard Evaluation (EHE) Module: assigns a relative priority to an MRS where munitions and explosives of concern are known or suspected to be present.
- Chemical Warfare Material Hazard Evaluation (CHE) Module: assigns a relative priority to an MRS where chemical agent hazards are known or suspected to be present.
- Health Hazard Evaluation (HHE) Module: evaluates the relative risk to human health and the environment where munitions constituents and any incidental nonmunitions-related contaminants are known or suspected to be present. DoD evaluates four distinct environmental media – groundwater, surface water, sediments, and surface soils – and the receptors that are most likely to be affected by munitions constituents at an MRS.

### ***Module Evaluation***

Each module uses multiple MRS-specific data elements to evaluate and assess the nature

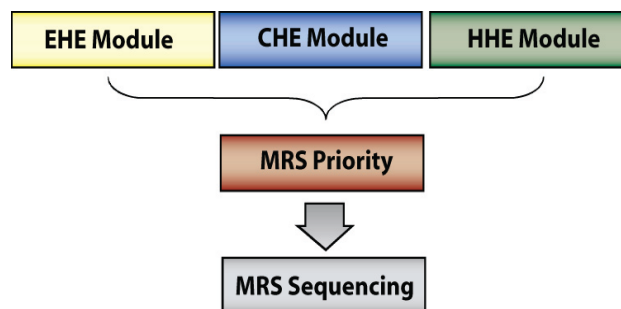
of the hazard, how accessible the hazard is, and any receptors potentially affected by the hazard. The data elements, which are collected during investigation, classify information essential for the characterization of conditions at the MRS and support consistent results. The Protocol uses scoring tables to determine the three primary hazards posed by unexploded ordnance, discarded military munitions, or munitions constituents. The three module ratings are compared to determine a “priority” for the MRS.

### ***Alternative Ratings***

The Protocol has the option to provide an alternative module rating when information needed to score one or more data elements is not readily available (Evaluation Pending), all response actions are complete (No Longer Required), or there are no known or suspected hazards associated with unexploded ordnance, discarded military munitions, or munitions constituents (No Known or Suspected Hazard).

### ***MRS Priority***

DoD determines an MRS’s relative priority by comparing the results of the three modules. The MRS Priority is equal to the highest of the three module priorities (1 is highest; 8 is lowest). Once an MRS Priority is determined, the DoD Components submit the results to their respective internal Quality Assurance (QA) Panel. The DoD Component QA Panel reviews the Protocol’s application for accuracy and consistency prior to sequencing.



### **Sequencing Decisions**

DoD sequences MRSs for cleanup once it has the necessary priority information. The sequencing for cleanup is based primarily on the MRS’s relative risk, reflected in its MRS Priority. As a matter of DoD policy, an MRS with higher relative risks will be addressed before an MRS with lower relative risks. Occasionally, other factors, such as environmental justice, economic development, and programmatic concerns can influence sequencing decisions.

### **Stakeholder Involvement**

Protocol stakeholders include, but may not be limited to, federal agencies, state and local regulatory agencies, tribal governments, community members, and current landowners. DoD offers all stakeholders opportunities to participate throughout the Protocol’s application. Specifically, DoD notifies stakeholders of the opportunity to participate in the Protocol application; publishes an announcement requesting participation; considers stakeholders’ input in prioritization and sequencing decisions; and documents stakeholder input. DoD recognizes that

stakeholder involvement is an effective way to identify and address their concerns about environmental and safety issues related to MRSs.

**Priority Review**

The DoD Components review each MRS Priority at least annually and reapply the Protocol if new information becomes available. If the new information justifies updating a MRS's relative priority, the DoD Component notifies stakeholders and updates appropriate documentation.

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Army	Connecticut	1LT JOHN S TURNER USARC	167	8	432
Army	Connecticut	AASF (CT)	1,022	23	170
Army	Maryland	ABERDEEN PROVING GROUND	686,070	7,130	158,037
Army	Alabama	ANNISTON ARMY DEPOT	105,243	1,908	32,677
Army	Wisconsin	BADGER ARMY AMMUNITION PLANT	227,541	10,279	26,313
Army	Texas	BERGSTROM - (ABIA)	1,022	23	148
Army	Alaska	BETHEL AAOF	1,022	1,776	308
Army	North Dakota	BISMARCK AASF COMPLEX	1,022	23	170
Army	Maryland	BLOSSOM POINT RESEARCH FACILITY	5,666	8	361
Army	Kentucky	BLUE GRASS ARMY DEPOT	23,099	484	2,438
Army	Iowa	BOONE AASF 1/OMS 10	0	18	143
Army	Texas	CAMP BARKELEY	857	3,013	206
Army	Iowa	CAMP DODGE JOHNSTON TS	0	18	143
Army	Michigan	CAMP GRAYLING ARMY AIRFIELD	829	17	0
Army	Arkansas	CAMP JOSEPH T ROBINSON	1,022	979	157
Army	Arizona	CAMP NAVAJO	26,003	87	3,592
Army	Pennsylvania	CARLISLE BARRACKS	209	517	355
Army	Illinois	CHARLES MELVIN PRICE SUPPORT CENTER	3,200	291	7,984
Army	Oregon	CLACKAMAS/CAMP WITHYCOMBE	7,533	21,376	9,532
Army	Delaware	COL S.B.I. DUNCAN ARMORY & AASF	1,022	593	194
Army	New Hampshire	COLD REGIONS RESEARCH AND ENGINEERING LABORATORY	51,908	2,486	45,826
Army	Nebraska	CORNHUSKER ARMY AMMUNITION PLANT	111,335	1,064	40,672
Army	Iowa	DAVENPORT/AASF 3	0	18	143
Army	California	DEFENSE DIST DEPOT SAN JOAQUIN, SHARPE FACILITY	127,161	6,104	130,920
Army	Michigan	DETROIT ARSENAL	2,799	550	2,966
Army	Utah	DUGWAY PROVING GROUND	173,559	6,222	64,243
Army	Texas	EL CAMPO/ARMORY	1,022	23	148
Army	Maryland	FOREST GLEN	10,695	42	16,543
Army	Virginia	FORT A P HILL	7,228	71	680
Army	Georgia	FORT BENNING	61,687	836	10,929
Army	Texas	FORT BLISS	42,474	1,836	34,103
Army	North Carolina	FORT BRAGG	64,245	176	5,261
Army	Puerto Rico	FORT BUCHANAN	10,016	826	4,553
Army	Kentucky	FORT CAMPBELL	56,070	91	5,549
Army	Colorado	FORT CARSON	107,898	4,532	17,517
Army	Maryland	FORT DETRICK	80,663	280	19,885
Army	New York	FORT DRUM	119,153	368	5,744
Army	Maryland	FORT GEORGE G MEADE	81,493	1,159	50,015
Army	Georgia	FORT GORDON	42,326	436	14,107
Army	Alaska	FORT GREELY	35,698	1,475	11,108
Army	New York	FORT HAMILTON	2,923	71	2,889
Army	Texas	FORT HOOD	11,167	1,349	328
Army	Arizona	FORT HUACHUCA	26,313	579	5,253
Army	California	FORT HUNTER LIGGETT	40,343	895	5,071
Army	Pennsylvania	FORT INDIANTOWN GAP TRAINING SITE	12,858	167	1,143
Army	South Carolina	FORT JACKSON	52,449	2,068	68,838
Army	Kentucky	FORT KNOX	29,980	397	4,690
Army	Kansas	FORT LEAVENWORTH	48,704	69	1,892
Army	Virginia	FORT LEE	38,921	273	3,198
Army	Missouri	FORT LEONARD WOOD	64,425	3,286	59,094
Army	Alabama	FORT MCCLELLAN ARNG	12,261	146	5,193

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Army	Wisconsin	FORT MCCOY	10,456	122	1,133
Army	Virginia	FORT PICKETT ARNG MTC	5,989	841	858
Army	Louisiana	FORT POLK	44,220	415	5,808
Army	Kansas	FORT RILEY	111,813	298	9,415
Army	Alabama	FORT RUCKER	29,849	1,914	18,224
Army	Hawaii	FORT SHAFTER	19,223	269	4,199
Army	Oklahoma	FORT SILL	33,923	2,256	1,076
Army	Georgia	FORT STEWART	43,794	666	4,193
Army	Alaska	FORT WAINWRIGHT	225,634	2,514	55,655
Army	Montana	FORT WILLIAM HENRY HARRISON	990	26	112
Army	Kentucky	FRANKFORT/BOONE CENTER	1,022	23	169
Army	Alaska	GERSTLE RIVER TEST SITE	1,980	5	150
Army	Idaho	GOWEN FIELD	0	568	161
Army	Michigan	GRAND LEDGE	2,195	80	38
Army	Texas	GRAND PRAIRIE (DNAS)	1,022	23	148
Army	Alaska	HAINES PIPELINE	32,110	599	14,826
Army	Nevada	HAWTHORNE ARMY DEPOT	122,596	2,282	19,038
Army	Montana	HELENA/AASF	0	18	143
Army	Tennessee	HOLSTON ARMY AMMUNITION PLANT	26,232	321	11,998
Army	Georgia	HUNTER ARMY AIRFIELD	37,330	983	10,696
Army	Iowa	IOWA ARMY AMMUNITION PLANT	140,558	1,537	102,377
Army	Indiana	JEFFERSON PROVING GROUND	20,628	1,258	41,169
Army	Illinois	JFHQ IL ARNG	1,403	69	29
Army	New York	JFHQ NY ARNG	1,765	71	32
Army	Ohio	JFHQ OH ARNG	13,444	152	17,523
Army	Rhode Island	JFHQ RI ARNG	7,928	94	28
Army	Vermont	JFHQ VT ARNG	1,623	9	259
Army	Washington	JOINT BASE LEWIS-MCCHORD	150,602	2,482	46,418
Army	Virginia	JOINT BASE MYER-HENDERSON HALL	7,463	759	4,394
Army	Illinois	JOLIET AAP	150,745	1,017	32,029
Army	Hawaii	KUNIA FIELD STATION	1,981	84	1,509
Army	Missouri	LAKE CITY ARMY AMMUNITION PLANT	185,336	5,761	91,459
Army	New Jersey	LAKEHURST CLTF	0	18	149
Army	Michigan	LANSING AIRPORT HANGAR	1,022	692	173
Army	South Carolina	LEESBURG TRAINING SITE	156	2	275
Army	Pennsylvania	LETTERKENNY ARMY DEPOT	132,051	3,359	13,123
Army	Rhode Island	LINCOLN AMSA 68	2,299	23	1,978
Army	Texas	LONGHORN ARMY AMMUNITION PLANT	155,149	25,747	67,049
Army	Louisiana	LOUISIANA ARMY AMMUNITION PLANT	70,587	212	10,160
Army	Ohio	LTA - MARION ENGR DEPOT EAST	2,470	155	872
Army	Hawaii	MAKUA MILITARY RESERVATION	10,451	19	1,395
Army	Oklahoma	MCALESTER ARMY AMMUNITION PLANT	27,250	875	4,900
Army	Tennessee	MILAN ARMY AMMUNITION PLANT	201,585	1,150	23,981
Army	California	MILITARY OCEAN TERMINAL CONCORD	73,140	2,210	430,901
Army	North Carolina	MILITARY OCEAN TERMINAL SUNNY POINT	1,566	261	464
Army	Wisconsin	MILWAUKEE USARC/AMSA#49	666	49	1,588
Army	Alabama	MOBILE OMS 28 & 29	1,447	104	2,684
Army	Massachusetts	MTA CAMP EDWARDS	7,968	226	11,461
Army	Utah	MTA-L CAMP WILLIAMS WEST FED	22,860	140	790
Army	California	MTC-H CAMP ROBERTS	11,627	964	1,714
Army	California	NATIONAL TRAINING CENTER AND FORT IRWIN	63,070	2,540	27,166
Army	Alaska	NOME AAOF	0	1,798	280
Army	Arizona	PAPAGO MILITARY RESERVATION	9,090	449	1,219



**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Army	California	PARKS RESERVE FORCES TRAINING AREA	21,607	2,541	2,820
Army	Maryland	PHOENIX MILITARY RESERVATION	4,261	29	951
Army	New Jersey	PICATINNY ARSENAL	166,350	2,335	132,742
Army	Arkansas	PINE BLUFF ARSENAL	73,489	1,620	34,206
Army	Hawaii	POHAKULOA TRAINING AREA	18,989	59	38,223
Army	California	PRESIDIO OF MONTEREY	6,717	42	2,167
Army	Colorado	PUEBLO CHEMICAL DEPOT	20,747	8,983	9,027
Army	Virginia	RADFORD ARMY AMMUNITION PLANT	63,116	565	9,447
Army	South Dakota	RAPID CITY AIRPORT COMPLEX	1,022	23	165
Army	Ohio	RAVENNA ARMY AMMUNITION PLANT	164,996	3,790	31,417
Army	Texas	RED RIVER ARMY DEPOT	33,861	338	10,905
Army	Alabama	REDSTONE ARSENAL	570,494	38,732	1,300,419
Army	Illinois	ROCK ISLAND ARSENAL	37,532	3,716	19,796
Army	Colorado	ROCKY MOUNTAIN ARSENAL	1,908,113	6,725	223,938
Army	California	ROSEVILLE	1,022	23	166
Army	Texas	SAGINAW	287	118	3,803
Army	North Carolina	SALISBURY/AASF 2	1,022	23	155
Army	Hawaii	SCHOFIELD BARRACKS	61,599	450	16,766
Army	Pennsylvania	SCRANTON ARMY AMMUNITION PLANT	1,350	398	482
Army	Indiana	SHELBYVILLE AASF	1,022	23	154
Army	California	SIERRA ARMY DEPOT	79,284	782	14,990
Army	New Jersey	SIEVERS-SANDBERG USARC	679	17	1,046
Army	Arizona	SILVER BELL AR HELPOR	1,022	23	152
Army	Massachusetts	SOLDIER SYSTEMS CENTER	52,853	508	8,499
Army	Missouri	ST LOUIS ORDNANCE PLANT	8,566	99	4,237
Army	California	STOCKTON AASF	1,022	23	166
Army	Kansas	SUNFLOWER ARMY AMMUNITION PLANT	235,806	7,453	68,430
Army	Pennsylvania	TOBYHANNA ARMY DEPOT	24,704	245	12,514
Army	Utah	TOOELE ARMY DEPOT	89,360	3,954	39,362
Army	Utah	TOOELE ARMY DEPOT SOUTH	111,909	13,095	95,791
Army	Hawaii	TRIPLER ARMY MEDICAL CENTER	13,894	44	1,811
Army	California	TS AFRC LOS ALAMITOS	43,761	377	12,981
Army	Mississippi	TUPELO AASF	1,022	23	156
Army	Minnesota	TWIN CITIES ARMY AMMUNITION PLANT	189,070	1,150	61,156
Army	Oregon	UMATILLA CHEMICAL DEPOT	3,645	1,159	29,967
Army	Ohio	USARC KINGS MILLS (AMSA 59)	3,390	150	5,891
Army	Tennessee	VOLUNTEER ARMY AMMUNITION PLANT	77,763	537	17,884
Army	Hawaii	WAIKAKALAU AMMO STORAGE TUNNELS	5,372	20	1,090
Army	Iowa	WATERLOO/AASF 2	0	18	143
Army	New York	WATERVLIET ARSENAL	24,653	325	4,438
Army	Missouri	WELDON SPRING TRAINING AREA	2,805	107	4,465
Army	Wisconsin	WEST BEND - AASF #1	0	18	143
Army	New York	WEST POINT MIL RESERVATION	49,948	786	75,310
Army	Hawaii	WHEELER ARMY AIRFIELD	18,036	29	2,276
Army	New Mexico	WHITE SANDS MISSILE RANGE	65,692	2,626	5,369
Army	Georgia	WINDER BRW ARPT	1,022	23	168
Army	Washington	YAKIMA TRAINING CENTER	7,603	6,088	11,932
Army	Arizona	YUMA PROVING GROUND	44,586	1,351	14,442
Navy	Georgia	ALBANY MCLB	51,965	532	13,471
Navy	West Virginia	ALLEGANY BALLISTICS LAB	98,101	3,068	59,584
Navy	Maryland	ANNAPOLIS NS	44,870	1,565	16,939
Navy	Maryland	ANNAPOLIS US NAVAL ACADEMY	5,982	1,834	731
Navy	California	AZUSA NCCOSC MORRIS DAM FACILITY	24,309	1,389	1,863
Navy	Maryland	BAINBRIDGE NTC	35,085	5,301	1,433

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Navy	Washington	BANGOR NSB	145,773	3,567	150,010
Navy	Hawaii	BARBERS POINT NAS	19,876	473	4,439
Navy	Hawaii	BARKING SANDS PMRF	11,784	2,064	2,179
Navy	California	BARSTOW MCLB	150,286	3,596	43,799
Navy	South Carolina	BEAUFORT MCAS	34,972	2,132	15,080
Navy	Massachusetts	BEDFORD NWIRP	40,516	1,452	25,491
Navy	New York	BETHPAGE NWIRP	218,268	27,012	453,383
Navy	California	BRIDGEPORT MCMWTC	25,348	165	4,803
Navy	New York	CALVERTON NWIRP	66,611	1,559	14,045
Navy	Hawaii	CAMP H.M. SMITH OAHU	5,978	167	1,526
Navy	North Carolina	CAMP LEJEUNE MCB	328,358	14,197	112,794
Navy	California	CAMP PENDLETON MCB	340,381	2,418	53,000
Navy	Alaska	CAPE PRINCE WALES NCCOSC	8,285	2,410	4,551
Navy	North Carolina	CHERRY POINT MCAS	146,249	5,926	53,211
Navy	Maryland	CHESAPEAKE BAY DET NRL	11,589	895	6,724
Navy	Virginia	CHESAPEAKE NSGA NWEST	5,327	49	153
Navy	California	CHINA LAKE NAWS	170,956	7,184	135,378
Navy	New Jersey	COLTS NECK NWS EARLE	44,339	1,416	47,135
Navy	Oregon	COOS HEAD NAV OCEAN PROCESSING FAC.	793	4	183
Navy	California	CORONADO NAB	21,303	68	2,872
Navy	Texas	CORPUS CHRISTI NAS	36,146	7,613	24,891
Navy	Indiana	CRANE NSWC	112,219	301	16,967
Navy	Virginia	CRANEY ISLAND FISC	27,863	768	2,055
Navy	Maine	CUTLER NCTS	36,122	1,370	11,671
Navy	Virginia	DAHLGREN NSWC	86,635	3,225	8,230
Navy	Virginia	DAM NECK FCTC	3,663	317	13,715
Navy	California	DIXON NRTF	5,681	18	114
Navy	California	EL CENTRO NAF	68,780	276	15,322
Navy	California	FALLBROOK NOC PAC DIV DET	31,961	873	22,095
Navy	Nevada	FALLON NAS	57,715	675	23,636
Navy	Minnesota	FRIDLEY NIROP	60,782	1,793	22,706
Navy	Texas	FT WORTH TX NAS JRB	9,869	1,007	7,693
Navy	Illinois	GREAT LAKES NTC	43,096	1,260	314,598
Navy	Guam	GUAM FISC	17,627	2	170
Navy	Guam	GUAM NAVACTS	94,426	4,762	76,196
Navy	Guam	GUAM NCTAMS WESTPAC	5,114	21	5,033
Navy	Guam	GUAM NSRF	14,869	1,084	8,727
Navy	Guam	GUAM PWC	78,063	42	1,777
Navy	Guam	GUAMI COMNAVMARIANAS	9,906	101	5,736
Navy	Mississippi	GULFPORT NCBC	67,826	3,063	20,961
Navy	California	IMPERIAL BEACH OLF	29,989	13,049	1,915
Navy	Maryland	INDIAN HEAD NSWC	124,735	14,023	87,587
Navy	Florida	JACKSONVILLE FISC	3,538	302	60
Navy	Florida	JACKSONVILLE NAS	140,282	2,770	70,867
Navy	Hawaii	KANEOHE BAY MCB	37,061	589	27,209
Navy	Missouri	KANSAS CITY MO	616	49	841
Navy	Florida	KEY WEST NAS	72,666	1,977	44,445
Navy	Washington	KEYPORT NUWC	60,179	1,799	27,203
Navy	Georgia	KINGS BAY NSB	18,191	183	6,090
Navy	Texas	KINGSVILLE NAS	15,848	90	6,782
Navy	California	LEMOORE NAS	45,272	3,165	27,426
Navy	Virginia	LITTLE CREEK NAB	60,153	714	164,929
Navy	California	LONG BEACH NS SAN PEDRO	9,887	582	5,848

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Navy	Hawaii	LUALUALEI NAVMAG	78,405	597	39,069
Navy	Florida	MAYPORT NS	41,922	832	11,984
Navy	Texas	MCGREGOR NWIRP	59,112	217	8,038
Navy	Pennsylvania	MECHANICSBURG SPCC	46,519	1,268	8,132
Navy	Tennessee	MEMPHIS NAS	22,218	128	2,068
Navy	Mississippi	MERIDIAN NAS	27,108	488	18,277
Navy	California	MIRAMAR MCAS	80,737	3,292	11,470
Navy	Connecticut	NEW LONDON NSB	99,420	341	7,942
Navy	Louisiana	NEW ORLEANS NAS	12,108	527	16,192
Navy	Rhode Island	NEWPORT NETC	250,978	11,033	92,711
Navy	Virginia	NORFOLK COMNAVBASE	131,770	2,977	51,295
Navy	Virginia	NORFOLK NSY	45,191	1,460	18,997
Navy	California	NORTH ISLAND NAS	299,759	8,672	81,737
Navy	Guam	NSA ANDERSEN GUAM	195,884	7,941	36,316
Navy	Virginia	OCEANA NAS	89,591	3,270	87,245
Navy	Florida	PANAMA CITY CSS	17,125	123	5,406
Navy	South Carolina	PARRIS ISLAND MCRD	47,708	4,280	77,675
Navy	Maryland	PATUXENT RIVER NAS	104,519	5,735	13,468
Navy	Hawaii	PEARL HARBOR FISC	57,768	194	18,399
Navy	Hawaii	PEARL HARBOR NS	342,615	32,624	80,357
Navy	Hawaii	PEARL HARBOR NSB	9,951	234	614
Navy	Hawaii	PEARL HARBOR NSY	44,752	518	6,080
Navy	Hawaii	PEARL HARBOR PWC	78,654	358	35,769
Navy	Florida	PENSACOLA NAS	134,199	6,906	59,676
Navy	Florida	PENSACOLA NTTC CORRY STATION	7,947	650	6,763
Navy	Pennsylvania	PHILADELPHIA NSWC-CD	16,918	1,128	3,268
Navy	Alaska	POINT BARROW NARL	87,363	402	38,958
Navy	California	POINT MUGU NAWS	78,462	2,029	11,136
Navy	Washington	PORT HADLOCK NOC PAC DIV DET	13,341	35	6,913
Navy	California	PORT HUENEME NCBC	71,281	489	9,570
Navy	Maine	PORTSMOUTH NSY	80,755	222	8,572
Navy	Washington	PUGET SOUND FISC BREMERTON	22,409	78	2,473
Navy	Washington	PUGET SOUND FISC MANCHESTER	2,412	57	4,592
Navy	Washington	PUGET SOUND NAVHOSP BREMERTON	5,278	842	3,066
Navy	Washington	PUGET SOUND NSY	252,849	17,473	74,632
Navy	Virginia	QUANTICO MCB	131,264	2,163	86,976
Navy	Puerto Rico	ROOSEVELT ROADS CAMP GARCIA	15,424	1,169	9,543
Navy	California	SAN CLEMENTE ISLAND NALF	25,369	65	2,466
Navy	California	SAN DIEGO NCCOSC	45,336	5,270	14,814
Navy	California	SAN DIEGO NISE WEST	26,607	1,813	784
Navy	California	SAN DIEGO NS	147,934	7,564	144,874
Navy	Florida	SAUFLEY FIELD NAS	14,160	1,147	16,001
Navy	California	SEAL BEACH NWS	97,721	1,714	31,641
Navy	Virginia	ST JULIEN'S CREEK ANNEX	42,182	380	18,574
Navy	Puerto Rico	VIEQUES EAST	347,366	18,794	275,380
Navy	Puerto Rico	VIEQUES PUERTO RICO NASD	36,835	536	7,858
Navy	Hawaii	WAHIAWA NCTAMS EASTPAC	43,757	48	3,667
Navy	District of Columbia	WASHINGTON DC NAVOBSY	3,172	201	218
Navy	District of Columbia	WASHINGTON NAVY YARD	50,007	388	18,019
Navy	District of Columbia	WASHINGTON NRL	2,312	514	6,955
Navy	Washington	WHIDBEY ISLAND NAS	185,255	15,535	110,106
Navy	Florida	WHITING FIELD NAS	79,076	1,801	42,399
Navy	Virginia	WILLIAMSBURG FISC CHEATHAM ANNEX	34,964	1,226	39,284
Navy	Virginia	YORKTOWN FISC FUELS DIVISION	53,471	1,885	23,695

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
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DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Navy	Virginia	YORKTOWN NWS	97,113	2,304	98,659
Navy	Arizona	YUMA MCAS	78,932	259	8,897
Air Force	California	AF PLANT NO 42 - B	31,503	4,990	41,999
Air Force	Oklahoma	AIR FORCE PLANT 3	9,699	313	17,510
Air Force	Texas	AIR FORCE PLANT 4	96,853	1,563	79,274
Air Force	Arizona	AIR FORCE PLANT 44	139,530	1,704	52,994
Air Force	New York	AIR FORCE PLANT 59	7,132	144	257
Air Force	Georgia	AIR FORCE PLANT 6	132,779	3,995	118,293
Air Force	Ohio	AIR FORCE PLANT 85	14,198	827	18,276
Air Force	Colorado	AIR FORCE PLANT PJKS	58,689	313	12,130
Air Force	Oklahoma	ALTUS AIR FORCE BASE	78,782	2,351	99,041
Air Force	Tennessee	ARNOLD	184,489	1,506	131,447
Air Force	Florida	AVON PARK AIR FORCE RANGE	55,196	1,321	18,823
Air Force	South Dakota	BADLANDS BOMBING RANGE	4,276	75	3,000
Air Force	Maine	BANGOR INTERNATIONAL AIRPORT	1,218	1,752	13,500
Air Force	Louisiana	BARKSDALE AIR FORCE BASE	69,055	3,475	67,829
Air Force	Massachusetts	BARNES MUNICIPAL AIRPORT	10,348	4,440	80,486
Air Force	Alaska	BARTER ISLAND	31,512	172	3,766
Air Force	California	BEALE	262,608	12,688	136,786
Air Force	Alaska	BEAR CREEK RADIO RELAY STATION	5,630	11	585
Air Force	Hawaii	BELLOWS AIR FORCE STATION	44,172	610	8,930
Air Force	Alaska	BETHEL RANGE	7,953	19	955
Air Force	Pennsylvania	BIDDLE ANGB	29,310	2,290	67,847
Air Force	Alaska	BIG MOUNTAIN RADIO RELAY STATION	30,197	176	8,882
Air Force	Colorado	BUCKLEY SFB	57,451	3,802	56,732
Air Force	Alaska	BULLEN POINT	13,140	169	14,681
Air Force	Michigan	CALUMET AIR FORCE STATION	3,816	194	726
Air Force	Alaska	CAMPION AIR FORCE STATION	16,535	570	7,958
Air Force	New Mexico	CANNON	78,743	11,751	109,179
Air Force	Florida	CAPE CANAVERAL SFS	226,594	11,342	215,078
Air Force	Alaska	CAPE LISBURNE LONG RANGE RADAR SITE	36,747	203	2,528
Air Force	Alaska	CAPE NEWENHAM LONG RANGE RADAR SITE	8,670	294	5,316
Air Force	Alaska	CAPE ROMANZOF LONG RANGE RADAR SITE	26,518	311	8,413
Air Force	North Dakota	CAVALIER SFS	3,604	138	18,953
Air Force	Alaska	CHENA RIVER	1,965	11	99
Air Force	Alaska	CLEAR SFS	21,649	717	48,987
Air Force	Alaska	COLD BAY LONG RANGE RADAR SITE	6,945	79	2,582
Air Force	Mississippi	COLUMBUS AIR FORCE BASE	43,397	741	53,283
Air Force	Nevada	CREECH AIR FORCE BASE	5,389	429	35,280
Air Force	Arizona	DAVIS-MONTHAN AIR FORCE BASE	48,908	668	25,761
Air Force	Iowa	DES MOINES	1,087	1,557	28,244
Air Force	Georgia	DOBBINS AIR FORCE BASE	11,870	1,283	72,359
Air Force	Delaware	DOVER AIR FORCE BASE	131,991	3,257	145,247
Air Force	Alaska	DRIFTWOOD BAY RADIO RELAY STATION	14,609	143	5,382
Air Force	Minnesota	DULUTH INTERNATIONAL AIRPORT	27,849	13	524
Air Force	Alaska	DUNCAN CANAL RADIO RELAY STATION (RRS)	16,123	148	797
Air Force	Texas	DYESS	27,719	1,194	69,707
Air Force	Alaska	EARECKSON AIR FORCE BASE	67,307	2,995	143,915
Air Force	California	EDWARDS AIR FORCE BASE	636,559	35,499	516,840
Air Force	Florida	EGLIN	153,100	2,980	163,591

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Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Air Force	Alaska	EIELSON AIR FORCE BASE	343,531	64,681	299,730
Air Force	South Dakota	ELLSWORTH AIR FORCE BASE	161,438	3,575	117,681
Air Force	West Virginia	EWVRA SHEPHERD FIELD (MARTINSBURG)	2,037	47	25,016
Air Force	Washington	FAIRCHILD AIR FORCE BASE	118,834	5,747	130,335
Air Force	Alaska	FORT YUKON LONG RANGE RADAR SITE	12,181	1,729	1,403
Air Force	Wyoming	FRANCIS E WARREN AIR FORCE BASE	159,505	2,294	63,506
Air Force	New York	FRANCIS S. GABRESKI (WEST HAMPTON)	15,742	4,218	101,966
Air Force	Arkansas	FT SMITH	591	1,737	9,939
Air Force	Arizona	GOLDWATER RANGE	16,840	79	3,219
Air Force	Texas	GOODFELLOW	13,132	1,023	49,345
Air Force	North Dakota	GRAND FORKS AIR FORCE BASE	26,102	1,354	48,791
Air Force	Alaska	GRANITE MOUNTAIN RADIO RELAY STATION	11,214	163	4,000
Air Force	Illinois	GREATER PEORIA AIRPORT	8,130	170	11,415
Air Force	Indiana	GRISSOM ARB	28,469	974	17,618
Air Force	Alabama	GUNTER AIR FORCE BASE	6,956	80	2,178
Air Force	Massachusetts	HANSCOM	61,037	1,055	50,205
Air Force	Pennsylvania	HARRISBURG	3,134	1,094	5,537
Air Force	Utah	HILL AIR FORCE BASE	595,574	29,115	279,074
Air Force	New Mexico	HOLLOMAN	155,080	5,434	42,492
Air Force	Florida	HOMESTEAD	32,307	1,950	84,754
Air Force	Indiana	HULMAN REGIONAL AIRPORT	2,584	87	7,434
Air Force	Florida	HURLBURT FIELD	46,562	1,272	76,171
Air Force	Alaska	INDIAN MOUNTAIN RESEARCH	20,642	621	8,846
Air Force	Florida	JACKSONVILLE	5,116	467	3,328
Air Force	Maryland	JB-ANDREWS	176,687	5,088	140,062
Air Force	Massachusetts	JB-CAPE COD	838,870	4,837	152,569
Air Force	South Carolina	JB-CHARLESTON-AIR	70,394	10,400	78,966
Air Force	South Carolina	JB-CHARLESTON-WEAPONS	82,895	1,492	24,586
Air Force	Alaska	JBER-ELMENDORF	172,220	7,633	272,365
Air Force	Alaska	JBER-RICHARDSON	151,088	2,526	95,768
Air Force	Virginia	JBLE-EUSTIS	83,325	1,631	46,431
Air Force	Virginia	JBLE-LANGLEY	96,868	612	55,839
Air Force	New Jersey	JBMDL-DIX	53,230	2,580	31,338
Air Force	New Jersey	JBMDL-LAKEHURST	119,961	1,553	91,630
Air Force	New Jersey	JBMDL-MCGUIRE	183,757	14,305	243,159
Air Force	Texas	JBSA-CAMP BULLIS	19,947	306	14,457
Air Force	Texas	JBSA-FORT SAM HOUSTON	13,437	161	7,551
Air Force	Texas	JBSA-LACKLAND	130,180	3,084	86,216
Air Force	Texas	JBSA-RANDOLPH	23,784	15,326	54,825
Air Force	Mississippi	JOHN C. STENNIS SPACE CENTER	152	18	601
Air Force	Johnston Atoll	JOHNSTON ATOLL	46,967	425	25,466
Air Force	District of Columbia	JOINT BASE ANACOSTIA-BOLLING	23,389	344	8,308
Air Force	Hawaii	KAENA POINT SFS	3,961	708	9,642
Air Force	Alaska	KALAKAKET CREEK RADIO RELAY STATION	10,055	578	2,097
Air Force	Mississippi	KEESLER	45,645	562	20,779
Air Force	Mississippi	KEY FIELD	7,946	1,266	27,384
Air Force	Alaska	KING SALMON	109,775	3,302	90,088
Air Force	New Mexico	KIRTLAND	290,689	13,230	106,676
Air Force	Alaska	KOTZEBUE LONG RANGE RADAR SITE	16,224	97	3,963
Air Force	Alaska	LAKE LOUISE	5,033	86	3,446
Air Force	Texas	LAUGHLIN	35,106	2,014	38,026
Air Force	Nebraska	LINCOLN MUNICIPAL AIRPORT	4,773	5,592	8,410

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Air Force	Arkansas	LITTLE ROCK AIR FORCE BASE	54,418	4,550	78,801
Air Force	Arizona	LUKE	45,668	2,019	90,836
Air Force	Florida	MACDILL	106,977	1,433	65,318
Air Force	Washington	MAKAH AIR FORCE STATION	6,494	2,215	7,930
Air Force	Montana	MALMSTROM AIR FORCE BASE	34,136	3,387	45,223
Air Force	California	MARCH	50,852	1,400	102,065
Air Force	Alabama	MAXWELL	74,477	3,021	43,814
Air Force	Kansas	MCCONNELL AIR FORCE BASE	128,005	6,319	73,377
Air Force	Kansas	MCCONNELL AIR FORCE BASE TITAN SITES	3,943	116	1,199
Air Force	Minnesota	MINNEAPOLIS ARS	5,384	1,401	18,855
Air Force	North Dakota	MINOT	30,881	1,773	63,688
Air Force	California	MOFFETT	124	1,037	13,682
Air Force	Alabama	MONTGOMERY ANGB	1,166	1,479	12,060
Air Force	Georgia	MOODY AIR FORCE BASE	112,037	1,753	70,029
Air Force	Idaho	MOUNTAIN HOME AIR FORCE BASE	40,714	3,658	177,289
Air Force	Alaska	MURPHY DOME	6,607	1,264	2,443
Air Force	Alaska	NAKNEK RECREATIONAL CAMP I	2,226	14	695
Air Force	Alaska	NAKNEK RECREATIONAL CAMP II	5,026	204	7,434
Air Force	Nevada	NELLIS AIR FORCE BASE	95,488	2,067	77,283
Air Force	New Hampshire	NEW BOSTON SFS	26,619	682	25,971
Air Force	New York	NIAGARA FALLS	22,712	947	45,348
Air Force	Alaska	NIKOLSKI RADIO RELAY STATION	24,444	1,092	8,190
Air Force	South Carolina	NORTH AUXILIARY AIRFIELD	1,883	306	23,588
Air Force	Alaska	NORTH RIVER RADIO RELAY STATION	27,475	201	2,014
Air Force	Nebraska	OFFUTT	70,596	1,668	100,948
Air Force	Alaska	OLIKTOK RADIO RELAY STATION	13,866	42	10,501
Air Force	Florida	PATRICK SFB	95,181	6,925	66,392
Air Force	Colorado	PETERSON SFB	103,624	7,032	233,542
Air Force	Pennsylvania	PITTSBURGH ANGB	3,021	1,622	67,904
Air Force	Pennsylvania	PITTSBURGH ARS	3,671	1,304	19,508
Air Force	California	POINT ARENA AIR FORCE STATION	3,226	36	1,341
Air Force	Alaska	POINT BARROW LONG RANGE RADAR	15,231	33	1,341
Air Force	Alaska	POINT LAY	32,756	24,940	648
Air Force	Alaska	PORT HEIDEN RADIO RELAY STATION	136,517	414	15,584
Air Force	Georgia	ROBINS	299,282	7,213	151,588
Air Force	New York	ROME RESEARCH SITE	6,015	1,808	12,448
Air Force	Missouri	ROSECRANS MEM	4,558	1,340	15,808
Air Force	Utah	SALT LAKE CITY	7,676	1,575	16,278
Air Force	California	SAN DIEGO SPACE SURVEILLANCE STATION	6,802	24	411
Air Force	Colorado	SCHRIEVER SFB	4,088	1,366	7,213
Air Force	Illinois	SCOTT AIR FORCE BASE	100,702	1,946	68,194
Air Force	Michigan	SELFRIDGE	49,457	1,732	17,803
Air Force	North Carolina	SEYMOUR JOHNSON AIR FORCE BASE	49,108	3,331	53,985
Air Force	South Carolina	SHAW AIR FORCE BASE	191,251	9,314	119,405
Air Force	Texas	SHEPPARD	19,189	464	45,058
Air Force	Iowa	SIOUX CTY APT ANG	6,037	2,091	22,131
Air Force	Alaska	SPARREVOHN AIR FORCE STATION	7,852	2,232	5,927
Air Force	Ohio	SPRINGFIELD-BECKLEY MUNICIPAL AIRPORT	5,623	1,030	460
Air Force	New York	STEWART INTERNATIONAL AIRPORT	10,577	180	74,952
Air Force	Wyoming	SUNDANCE AIR FORCE STATION	3,166	12	1,772
Air Force	Alaska	TATALINA AIR FORCE STATION	16,136	411	9,640

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
Air Force	Oklahoma	TINKER	357,682	2,488	114,417
Air Force	Ohio	TOLEDO EXPRESS AIRPORT	6,298	126	13,118
Air Force	California	TRAVIS AIR FORCE BASE	192,118	7,724	210,634
Air Force	Wisconsin	TRUAX FIELD	2,211	45	33,590
Air Force	Arizona	TUCSON INTERNATIONAL AIRPORT	22,278	62	7,684
Air Force	California	TULELAKE OTHB RADAR SITE	17,592	57	0
Air Force	Oklahoma	TULSA	1,518	2,877	31,350
Air Force	Florida	TYNDALL	149,746	9,939	148,055
Air Force	Colorado	USAF ACADEMY	15,955	3,341	39,122
Air Force	Oklahoma	VANCE	75,352	1,402	32,125
Air Force	California	VANDENBERG SFB	486,665	21,181	209,081
Air Force	Wisconsin	VOLK FIELD AIR GUARD BASE	18,825	250	1,158
Air Force	Wake Island	WAKE ISLAND AIRFIELD	74,824	509	28,937
Air Force	Alaska	WEST NOME TANK FARM	6,035	134	5,258
Air Force	Massachusetts	WESTOVER	28,085	1,354	35,653
Air Force	Missouri	WHITEMAN AIR FORCE BASE	35,410	1,587	31,664
Air Force	Pennsylvania	WILLOW GROVE AIR FORCE RESERVE	13,718	57	2,904
Air Force	Ohio	WRIGHT PATTERSON	280,685	4,589	162,175
Air Force	West Virginia	YEAGER ANG	1,775	3,104	21,037
Air Force	Ohio	YOUNGSTOWN-WARREN RAP ARS	3,128	759	25,488
DLA	Maryland	CURTIS BAY	13,918	778	7,263
DLA	California	DD SAN JOAQUIN, TRACY FACILITY	127,158	1,864	8,803
DLA	Pennsylvania	DD SUSQUEHANNA, NEW CUMBERLAND FAC.	40,767	198	5,867
DLA	Alaska	DLA ENERGY	3,186	126	1,663
DLA	California	DLA ENERGY	170	527	197
DLA	New York	DLA ENERGY	1,166	536	201
DLA	California	DLA ENERGY	369	724	282
DLA	Alaska	DLA PACIFIC, ARCTIC SURPLUS	863	185	3,103
DLA	Ohio	DSC COLUMBUS	5,189	135	1,015
DLA	Virginia	DSC RICHMOND	89,103	578	23,979
FUDS	Maine	AF GAT	7,186	756	12,480
FUDS	Maine	AF RADAR TRACKING STATION	18,628	199	6,444
FUDS	Washington	AIR FORCE PLANT NO 75	1,575	25	69
FUDS	Florida	AIR-TO-GROUND GUN RANGE PINELLAS	1,312	102	1,230
FUDS	Alaska	AKUTAN	10,698	8	597
FUDS	Pennsylvania	ALLEGHENY ARSENAL	9	1,317	2,178
FUDS	Alaska	AMAKNAK	56,336	1,219	22,325
FUDS	Alaska	ANIAK ARPT	2,142	13	321
FUDS	Wisconsin	ANTIGO AIR FORCE STATION	8,707	225	13,320
FUDS	Oklahoma	ARDMORE AIR FORCE BASE	8,228	65	63
FUDS	Guam	AREA 101	4,223	204	18,874
FUDS	Alaska	ATKA AF AUX FLD	12,191	430	54,816
FUDS	New Jersey	ATLANTIC CITY NAS	5,505	66	3,336
FUDS	Oklahoma	ATLAS MISSILE NO. 5	3,036	98	13,704
FUDS	Texas	ATLAS MISSILE NO.7 (K06OK0407)	6,109	159	978
FUDS	Alaska	ATTU ISL MIL SITES	20,531	179	321,831
FUDS	American Samoa	AUA FUEL FARM	12,741	3,373	7,557
FUDS	Florida	AVON PARK ARMY AIRFIELD	4,819	102	329
FUDS	California	BAYWOOD PARK TRAINING AREA	4,912	307	611
FUDS	California	BEALE AFB TITAN 1-A	11,894	198	17,464
FUDS	Virgin Islands of the U.S.	BENEDICT FIELD	2,024	102	103
FUDS	California	BENICIA ARSENAL	20,141	147	20,394

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	Alaska	BETHEL AC&W STATION	875	51	1,330
FUDS	Alaska	BETHEL ARPT	8,196	61	6
FUDS	South Dakota	BLACK HILLS ORD DPT	43,001	160	17,725
FUDS	Nebraska	BLAINE NAVAL AMMUNITION DEPOT	174,607	13,634	163,212
FUDS	Rhode Island	BLUE BEACH	6,723	92	6,224
FUDS	Oregon	BOARDMAN AIR FORCE RANGE	5,954	1,292	49,745
FUDS	Idaho	BOISE ARMY BARRACKS	10,280	117	17,865
FUDS	California	BORREGO SPRINGS	13,406	255	50,228
FUDS	Florida	BOSTWICK BOMB TARGET	1,812	643	1,262
FUDS	Louisiana	BREEZY HILL ARTLY RG	12,568	43	13,756
FUDS	Alabama	BROOKLEY AFB U SO ALA	12,374	183	2,311
FUDS	Florida	BROOKVILLE TURRET GUNNERY RANGE	11,668	61	731
FUDS	Colorado	BUCKLEY FIELD	175,485	72	38,438
FUDS	Virginia	BUCKROE BEACH	2,128	3	549
FUDS	New Jersey	BURLINGTON AAP	2,507	41	1,394
FUDS	Alaska	BURMA ROAD	4,445	510	8,845
FUDS	Florida	BUSHNELL ARMY AIRFIELD	7,966	408	2,064
FUDS	Alaska	BUSKIN BCH-KODIAK ISL	44,952	256	13,866
FUDS	North Carolina	BUXTON NAVAL FACILITY	2,693	147	180
FUDS	California	CADIZ LAKE SONIC TARGET #9	1,320	374	10,771
FUDS	Alaska	CAINES HEAD, FT MCGILV	1,298	271	537
FUDS	California	CAMARILLO AIRPORT	7,637	82	4,609
FUDS	Oregon	CAMP ADAIR/ADAIR AFS	7,722	324	60,447
FUDS	California	CAMP ANZA	1,784	6	0
FUDS	California	CAMP BEALE	32,142	532	91,054
FUDS	Florida	CAMP BLANDING	11,921	989	70,154
FUDS	Texas	CAMP BOWIE	9,711	174	11,548
FUDS	Kentucky	CAMP BRECKINRIDGE	10,298	75	125,977
FUDS	Nevada	CAMP DESERT ROCK	30	31	1,851
FUDS	Massachusetts	CAMP EDWARDS	6,565	6	483
FUDS	California	CAMP ELLIOT	58,716	327	18,225
FUDS	Illinois	CAMP ELLIS MILITARY RESERVATION	17,732	522	15,313
FUDS	Florida	CAMP GORDON JOHNSTON	11,670	112	3,551
FUDS	Oklahoma	CAMP GRUBER	3,291	26	2,020
FUDS	Colorado	CAMP HALE	32,422	93	294,520
FUDS	Texas	CAMP HOWZE	37,750	5,645	141,722
FUDS	California	CAMP IBIS (CAMA)	3,844	72	873
FUDS	Louisiana	CAMP LIVINGSTON	10,171	214	5,331
FUDS	Michigan	CAMP LUCAS / FT BRADY TARGET RANGE	2,059	164	7,061
FUDS	Texas	CAMP MAXEY	27,590	1,529	26,760
FUDS	Puerto Rico	CAMP O'REILLY	2,584	310	88
FUDS	Arkansas	CAMP ROBINSON/CAMP PIKE	26,369	836	78,520
FUDS	California	CAMP SAN LUIS OBISPO	10,289	18,928	36,271
FUDS	Ohio	CAMP SHERMAN ARTILLERY RANGE	2,497	51	17,182
FUDS	Texas	CAMP SWIFT	8,851	321	70,103
FUDS	Georgia	CAMP WHEELER	34,835	390	202,532
FUDS	Mississippi	CAMP/FT MCCAIN	2,681	230	780
FUDS	Alaska	CANOL PIPELINE	6,844	439	15,143
FUDS	Massachusetts	CAPE POGE LITTLE NECK BOMB TARGET SITE	20,480	155	1,429
FUDS	Alaska	CAPE SARICHEF	6,373	213	10
FUDS	Alaska	CAPE YAKAK RADIO STA	7,521	368	5,012
FUDS	Alaska	CAPE YAKATAGA RRS	4,189	10	32



**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	Utah	CARRINGTON ISLAND PRECISION BOMBING RANGE	2,308	712	10,296
FUDS	California	CARRIZO IMPACT AREA	6,175	1,016	168,527
FUDS	Maine	CASWELL AFS Z-80	1,944	42	1,121
FUDS	Maine	CHARLESTON AFS	5,042	92	25
FUDS	North Carolina	CHARLOTTE ARMY MIS PL	9,542	102	13,846
FUDS	North Carolina	CHARLOTTE NAV AMM DEPO	10,088	98	4,415
FUDS	Alaska	CHERNOFSKI HBR SUP&STO	10,155	174	31,383
FUDS	Utah	CLEARFIELD NAVAL SUPPLY DEPOT	4,018	479	17,230
FUDS	Oklahoma	CLINTON SHERMAN AFB	22,646	261	3,840
FUDS	Alaska	COLD BAY - FORT RANDALL	52,859	266	20,327
FUDS	New York	COLD SPRING FOUNDRY	5,076	10	7,359
FUDS	South Carolina	CONWAY BMB&GUNRY RNG	12,445	15	11,755
FUDS	North Carolina	COROLLA NAVAL TARGET	2,543	15	6,124
FUDS	Florida	CORRY ST USN TECH TRAINING	1,773	133	6,575
FUDS	North Carolina	CP BUTNER TRNG CMP	18,357	525	302,224
FUDS	South Carolina	CP CROFT	54,421	8,680	199,614
FUDS	New York	CP HERO	13,607	19	34,070
FUDS	Massachusetts	CP WELLFLEET	3,868	35	2,311
FUDS	Alabama	CRAIG AFB	6,563	61	2,066
FUDS	Texas	CUDDIHY FIELD	4,704	69	217
FUDS	Puerto Rico	CULEBRA PUERTO RICO	64,296	1,665	536,833
FUDS	Florida	DELAND NAVAL TRAINING CENTER	2,922	102	138
FUDS	Puerto Rico	DESECHEO ISLAND	4,562	102	58,910
FUDS	South Carolina	DONALDSON AFB	24,911	1,155	12,096
FUDS	Maine	DOW MIL AF	11,694	981	5,033
FUDS	California	D-Q UNIVERSITY	7,427	530	4,852
FUDS	California	DRY CANYON ARTILLERY RANGE	4,106	11,033	2,169
FUDS	Alaska	EIELSON FARM ROAD AAA SITE	13,135	97	296
FUDS	Alaska	EKLUTNA ARMY SITES	5,261	123	13,622
FUDS	California	EL CENTRO ROCKET TARGET NO. 2 (#93)	1,204	250	9,132
FUDS	California	EL CENTRO ROCKET TARGET NO.1 (#92)	1,482	368	6,516
FUDS	Wyoming	FE WAR AFB AF FAC S-6	4,082	677	8,133
FUDS	Wyoming	FE WAR AFB AF FAC SITE 5	15,064	596	2,658
FUDS	Wyoming	FE WARREN AFB FAC SITE 1	7,181	296	30,323
FUDS	Colorado	FE WARREN AFB FAC SITE 11	10,341	374	4,074
FUDS	Colorado	FE WARREN AFB FAC SITE 12	12,936	123	3,006
FUDS	Wyoming	FE WARREN AFB FAC SITE 2	9,902	262	76,151
FUDS	Wyoming	FE WARREN AFB FAC SITE 3	21,512	12,544	186,650
FUDS	Wyoming	FE WARREN AFB FAC SITE 4	39,892	557	76,823
FUDS	Wyoming	FE WARREN AFB FAC SITE 7	1,525	9	38
FUDS	Nebraska	FE WARREN AFB FAC SITE 8	17,163	276	5,494
FUDS	Missouri	FEDERAL CENTER COMPLEX	6,239	138	10,872
FUDS	Minnesota	FINLAND AFS Z-69	9,954	246	6,937
FUDS	Texas	FIVE POINTS OLF	5,427	84	2,559
FUDS	Kansas	FORBES AFB	17,041	438	5,655
FUDS	Kansas	FORBES AFB ATLAS S-01	2,675	92	3,117
FUDS	Kansas	FORBES AFB ATLAS S-05	1,651	20	5,675
FUDS	Kansas	FORBES AFB ATLAS S-07	13,423	124	1,447
FUDS	Kansas	FORBES AFB ATLAS S-09	9,122	71	90
FUDS	Missouri	FOREST PARK RECREATION CAMP	700	12	581
FUDS	Louisiana	FORMER CAMP CLAIBORNE	21,786	208	22,663
FUDS	Texas	FORMER CAMP FANNIN	28,530	259	3,258
FUDS	Alaska	FORT BABCOCK, SITKA	7,051	194	2,932

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	California	FORT BARRY	9,788	285	37,028
FUDS	Michigan	FORT CUSTER REC/INDUSTRIAL AREAS	8,195	1,454	36,156
FUDS	Michigan	FORT CUSTER VA AREA	3,166	218	2,968
FUDS	Utah	FORT DOUGLAS	3,299	586	20,618
FUDS	Wyoming	FORT FRANCIS E. WARREN TAR & MANEUVER RGE	4,920	254	10,262
FUDS	Alaska	FORT GLENN	34,380	14,166	345,760
FUDS	New York	FORT H G WRIGHT	1,632	31	34,934
FUDS	New Jersey	FORT HANCOCK	10,199	468	6,388
FUDS	Arizona	FORT HUACHUCA	19,299	86	4,900
FUDS	Alaska	FORT LEARNARD	8,607	179	14,092
FUDS	California	FORT MCDOWELL	5,193	391	5,514
FUDS	Delaware	FORT MILES MILITARY RESERVATION	5,539	62	41,619
FUDS	Alabama	FORT MORGAN	222	276	27,991
FUDS	Florida	FORT PICKENS	3,548	102	1,199
FUDS	Alaska	FORT PIERCE	2,189	112	10,902
FUDS	Alaska	FORT ROUSSEAU, SITKA	6,421	291	11,139
FUDS	Florida	FORT TAYLOR	5,434	1,316	17,366
FUDS	Alaska	FORT TIDBALL/LONG ISLAND	8,117	41	181
FUDS	Pennsylvania	FRANKFORD ARSENAL	18,506	92	1,414
FUDS	Puerto Rico	FT BROOKE	592	112	13,757
FUDS	Missouri	FT CROWDER	2,821	33	6,884
FUDS	Florida	FT MYERS BOMB & GUN RANGE	1,963	1,656	15,311
FUDS	Florida	FT PIERCE NAVAL AMPH BASE	11,729	306	22,531
FUDS	California	GAVILAN PLATEAU MANEUVER AREA	1,095	491	3,522
FUDS	Montana	GLASGOW AFB	10,523	2,144	38,516
FUDS	California	GOFFS CAMPSITE	2,515	32	1,956
FUDS	Minnesota	GOPHER ORD PLT ROSEMOUNT	1,443	29	9
FUDS	Rhode Island	GOULD ISLAND NUSC	11,080	120	4,099
FUDS	Delaware	GOVERNOR BACON HEALTH CENTER	752	12	0
FUDS	Alaska	GREAT SITKIN ISL	11,768	383	163,675
FUDS	Michigan	GROSSE ILE NAS - NIKE D-51	12,187	529	9,081
FUDS	Mississippi	GULFPORT ARMY AIR FIELD	901	77	402
FUDS	California	GUSTINE BOMBING RANGE	1,386	272	960
FUDS	Alaska	HAINES FAIRBANKS PIPELINE	25,543	1,217	11,481
FUDS	California	HAMILTON ARMY AIRFIELD	95,767	1,010	38,211
FUDS	California	HAMMER FIELD	9,489	42	222
FUDS	Louisiana	HAMMOND BOMBING RANGE	3,339	309	14,814
FUDS	Mississippi	HANCOCK CO. BOMBING & GUNNERY RANGE	1,930	230	806
FUDS	Nevada	HAWTHORNE ARMY DEPOT	383	159	3,346
FUDS	Hawaii	HEEIA COMBAT TRAINING CAMP	5,814	1,176	19,335
FUDS	Kansas	HERINGTON AAF	4,760	6	1,024
FUDS	Massachusetts	HINGHAM NAD (ANNEX)	9,500	184	15,601
FUDS	California	HOLTVILLE ROCKET TARGET 1R (#94)	1,552	184	24,526
FUDS	Georgia	HOMERVILLE BMB&GNRY	718	88	8,629
FUDS	Alaska	HOONAH RRS	12,238	41	108
FUDS	Northern Mariana Islands	HOSPITAL DUMP SITE	1,705	51	0
FUDS	Utah	HURRICANE MESA TEST SITE	3,513	368	8,755
FUDS	Kansas	HUTCHINSON NAS	4,202	53	7,349
FUDS	Illinois	IL ORDNANCE PLANT (CRAB ORCHARD)	14,567	204	4,675
FUDS	New York	IONA ISLAND NAVAL AMMUNITION DEPOT	3,355	149	1,407
FUDS	California	IRVINE PARK- ARMY CAMP	3,564	123	19,413

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	Texas	JAMES CONNALLY AFB	3,474	87	545
FUDS	Missouri	JEFFERSON BARRACKS	2,078	32	1,080
FUDS	Kentucky	KENTUCKY ORDNANCE WORKS	11,385	204	3,862
FUDS	Michigan	KINCHELOE AIR FORCE BASE	40,557	177	37,732
FUDS	Arizona	KINGMAN G TO G GUNNERY RANGE	16,091	31	5,116
FUDS	Oregon	KINGSLEY FIRING RANGE ANNEX	1,356	56	21
FUDS	Missouri	KIRKSVILLE AFS P-64	7,735	279	8,362
FUDS	New Mexico	KIRTLAND AFB DEM BOMB RGE	3,620	26	855
FUDS	Northern Mariana Islands	KOBLER NAVAL SUPPLY CENTER	7,236	204	9,169
FUDS	Alaska	KODIAK NAVY/ARMY	61,053	1,047	56,456
FUDS	Florida	LAKE BRYANT BOMBING AND GUNNERY RANGE	4,732	112	72,313
FUDS	New York	LAKE ONTARIO ORDNANCE WORKS	38,543	56	67
FUDS	Hawaii	LANAI BOMBING TARGETS	747	126	28,982
FUDS	Texas	LAREDO AFB	10,654	41	54
FUDS	Florida	LEE FIELD	24,895	250	1,917
FUDS	Kansas	LIBERAL AAF	1,075	920	132
FUDS	Nebraska	LINCOLN AFB AF FAC S-1	12,086	172	692
FUDS	Nebraska	LINCOLN AFB AF FAC S-10	15,715	695	6,914
FUDS	Nebraska	LINCOLN AFB AF FAC S-4	6,351	103	18,997
FUDS	Nebraska	LINCOLN AFB AF FAC S-6	5,759	191	8,746
FUDS	Nebraska	LINCOLN AFB AF FAC S-7	11,416	199	17,443
FUDS	Nebraska	LINCOLN AFB AF FAC S-8	9,776	174	5,150
FUDS	Nebraska	LINCOLN AFB AF FAC S-9	4,639	243	7,849
FUDS	Nebraska	LINCOLN AIR FORCE BASE	3,066	51	0
FUDS	Ohio	LOCKBOURNE AIR FORCE BASE	42,345	3,007	28,304
FUDS	New York	LOCKPORT AFS	6,683	700	4,279
FUDS	Guam	LONFIT PLANNING PROJECT	1,490	56	47,191
FUDS	Maine	LOR AFB LAU AX	909	123	21
FUDS	Ohio	LORDSTOWN ORDNANCE DEPOT	10,629	61	8,104
FUDS	Colorado	LOWRY AFB S-1 (COMPLEX 1B)	6,719	144	1,878
FUDS	Colorado	LOWRY AFB S-1 (COMPLEX 1C)	9,138	93	5,908
FUDS	Colorado	LOWRY AFB S-2 (COMPLEX 2C)	3,847	374	10,989
FUDS	Maine	MACH GATR	126	86	3,160
FUDS	Georgia	MACON ORDNANCE PLANT	4,129	10	144
FUDS	Hawaii	MAKALAPA CRATER FORMER NAVY SALVAGE YARD	1,977	204	25,193
FUDS	Virginia	MANASSAS AIR FORCE COMM FACILITY	5,558	156	4,480
FUDS	Washington	MANCHESTER ANNEX	19,381	297	8,736
FUDS	North Carolina	MANTEO NAV AUX AIR ST	1,933	153	147
FUDS	Pennsylvania	MARIETTA AIR FORCE STATION	6,521	91	21,343
FUDS	Ohio	MARION ENGINEER DEPOT	36,580	56	1,042
FUDS	Northern Mariana Islands	MARPI POINT FIELD	4,628	153	46,771
FUDS	Tennessee	MILLINGTON ORD WORKS	416	10	144
FUDS	New Jersey	MILLVILLE BOMB&GUN RGE	230	102	38,963
FUDS	New York	MITCHEL FIELD	457	46	2,518
FUDS	California	MOJAVE GUNNERY RANGE C	22,574	9,455	36,142
FUDS	Alabama	MONTGOMERY AF STATION	451	10	144
FUDS	New Jersey	MORGAN ORD SUP DEPOT	7,565	184	7,744
FUDS	West Virginia	MORGANTOWN OW	1,647	18	131
FUDS	Tennessee	MOTLOW RANGE	19,703	3,986	2,478
FUDS	California	MOUNT OWEN RIFLE RANGE	8,007	48	6,955

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	Massachusetts	MOVING TAR MACH GUN RG	5,366	12	1,418
FUDS	Alaska	MT.EDGE CUMBE/SITKA NOB	16,524	15	5
FUDS	Michigan	MUSKEGON ORD PLANT	10,867	29	247
FUDS	North Carolina	NAAS EDENTON	4,658	20	738
FUDS	Northern Mariana Islands	NAFTAN ORDNANCE DISPOSAL	1,539	102	5,707
FUDS	Virginia	NANSEMOND ORDNANCE DEPOT	72,036	2,850	29,695
FUDS	Massachusetts	NANTUCKET BCH	3,620	12	1,418
FUDS	Alabama	NAPIER FIELD	1,533	51	470
FUDS	Florida	NAS BANANA RIVER OFF-BASE DISPOSAL AREA	6,247	408	608
FUDS	New Jersey	NAS CAPE MAY	1,041	102	319
FUDS	Oregon	NAV AIR STA, TONGUE POINT	31,416	387	9,070
FUDS	California	NAVAL AIR STATION OAKLAND	3,808	15	16
FUDS	Rhode Island	NAVAL AUX LANDING FIELD	17,517	1,145	11,690
FUDS	California	NAVAL AUXILIARY AIR STATION	7,500	31	2,659
FUDS	California	NAVAL AUXILIARY AIR STATION ARCATA	13,213	6,602	13,515
FUDS	California	NAVAL AUXILIARY AIR STATION SANTA ROSA	13,328	1,164	4,870
FUDS	Alaska	NE CAPE (ST LAWRENCE ISLAND)	128,944	547	8,746
FUDS	Nebraska	NEBRASKA ORDNANCE PLANT	193,310	18,962	223,863
FUDS	Nevada	NELLIS SMALL ARMS RGE AX	29,318	500	17,681
FUDS	Rhode Island	NETC(MELVILLE IND FAC)	3,630	72	3,975
FUDS	Pennsylvania	NEW CUMBERLAND ARMY DEPOT	9,652	39	874
FUDS	New York	NEW YORK ORDNANCE WORKS	3,654	690	7,666
FUDS	Maine	NIKE 58	3,893	177	5,657
FUDS	Maryland	NIKE BA-30/31 (TOLCHESTER)	3,587	91	110
FUDS	New York	NIKE BU 51/52	1,598	153	32
FUDS	Indiana	NIKE C-32 - INDIANA DUNES	6,370	367	1,350
FUDS	Indiana	NIKE C-47 - HOBART	3,454	153	241
FUDS	Ohio	NIKE CD-78 - OXFORD	6,635	238	3,198
FUDS	Maine	NIKE LO-13	1,878	20	884
FUDS	Rhode Island	NIKE PR-79	7,498	233	21,162
FUDS	Alaska	NIKE SITE BAY	5,045	128	39,161
FUDS	Illinois	NIKE SL-10 - MARINE	5,570	379	3,608
FUDS	Maryland	NIKE W-44 (WALDORF)	4,205	102	543
FUDS	Alaska	NOME AREA DEF REGION	28,760	136	751
FUDS	New York	NORTHEASTERN INDUSTRIAL PARK	12,249	159	2,860
FUDS	Alaska	NORTHWAY ACS	4,590	138	724
FUDS	Alaska	NORTHWAY STAGING FLD	13,682	71	755
FUDS	Alaska	OCEAN CAPE RR SITE	3,050	36	275
FUDS	Nebraska	OFFUTT AFB AF FAC S-2	17,375	605	3,172
FUDS	Iowa	OFFUTT AFB AF FAC S-3	12,076	868	109,000
FUDS	Alaska	OGLIUGA ISL	12,956	63	2,738
FUDS	Kansas	OLATHE NAVAL AIR STATION	8,578	133	2,629
FUDS	Pennsylvania	OLMSTED AFB (SUNSET ANNEX)	1,013	60	1,146
FUDS	Northern Mariana Islands	ORDNANCE PLAN	13,381	204	58,183
FUDS	Florida	ORLANDO RANGE AND CHEMICAL YARD	4,028	61	744
FUDS	Florida	OSPREY BOMBING RANGE	1,447	408	1,147
FUDS	Virginia	OYSTER POINT STORAGE AREA	2,872	31	4,181
FUDS	Hawaii	PACIFIC JUNGLE COMBAT	4,093	306	23,696
FUDS	Hawaii	PAPOHAKU RANCLAND SUB	4,034	153	16,286
FUDS	California	PARKS AFB	3,271	152	15,222

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
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DoD Component	State	Installation Name	Actual Obligations Through FY 2022 (\$000)	Planned Obligations in FY 2023 (\$000)	Planned Obligations After FY 2023* (\$000)
FUDS	Alaska	PEDRO DOME	2,462	41	33
FUDS	South Dakota	PINE RIDGE GUNNERY RANGE	43,872	104	28,715
FUDS	Ohio	PLUM BROOK ORD WORKS	96,481	63	6,300
FUDS	Virginia	PLUM TREE ISLAND RANGE	15,813	559	3,299
FUDS	Idaho	POCATELLO BOMBING RANGE #3	4,171	291	20,878
FUDS	California	POINT VICENTE MIL RES FC SITES	2,532	61	1,585
FUDS	Wyoming	POLE MOUNTAIN	12,392	16	132,669
FUDS	Hawaii	POPOKI TARGET AREA	3,763	123	1,935
FUDS	Washington	PORT ANGELES COMBAT RANGE	2,298	16	3,026
FUDS	Alaska	PORT HEIDEN	17,314	276	77,802
FUDS	Alaska	PORT OF WHITTIER	4,987	10	219
FUDS	Puerto Rico	PUERTO RICO BOMB RANGE	2,278	102	3,461
FUDS	Rhode Island	QUONSET POINT NAS	40,162	17,816	92,584
FUDS	Michigan	RACO AAF-HIAWATHA NF	6,482	132	5,776
FUDS	New Jersey	RARITAN ARSN-TA ED PK	92,956	1,164	8,573
FUDS	Florida	RICHMOND NAS	5,141	10	152
FUDS	Arizona	SAHUARITA AFR	9,218	60	4,257
FUDS	Alaska	SANAK ISLAND ARMY AWS	7,008	80	1,456
FUDS	Washington	SAND PT NAS-MAGNUSON PK	1,144	264	723
FUDS	Michigan	SAULT STE MARIE AFS	7,000	80	3,069
FUDS	Kansas	SCHILLING AFB ATLAS S-01	2,092	168	2,230
FUDS	Kansas	SCHILLING AFB ATLAS S-04	3,230	183	3,906
FUDS	Kansas	SCHILLING AFB ATLAS S-05	13,946	132	8,551
FUDS	Kansas	SCHILLING AFB ATLAS S-06	3,152	82	5,518
FUDS	Kansas	SCHILLING AFB ATLAS S-12	2,139	113	2,507
FUDS	Washington	SEATTLE NAVAL SUPPLY DEPOT	13,048	13	28
FUDS	Missouri	SEDALIA AAF RIFLE RANGE	1,371	93	4,329
FUDS	Nebraska	SIOUX ARMY DEPOT	30,308	389	18,590
FUDS	Maryland	SOLOMONS NAVAL AMPHIBIOUS BASE	1,115	77	6
FUDS	Arkansas	SOUTHWESTERN PROV GROUNDS	20,315	155	414,748
FUDS	Tennessee	SPENCER ARTILLERY RANGE	4,369	83	59,267
FUDS	District of Columbia	SPRING VALLEY	334,660	11,727	4,933
FUDS	South Carolina	STARK GENERAL HOSP	672	20	914
FUDS	Nevada	STEAD AFB	6,920	10	3
FUDS	New York	STEWART AFB	3,870	171	76,792
FUDS	New York	SUFFOLK CO AAF&B&C RGE	1,625	440	11,542
FUDS	New York	SUFFOLK COUNTY AFB	1,871	26	4,937
FUDS	Alaska	SUSITNA GUNNERY RNG	3,481	72	10,319
FUDS	Oregon	SWAN ISLAND NAVAL-MARINE CORPS RESERVE CENTER	367	12	19
FUDS	Alaska	TANAGA ISL	29,895	598	81,944
FUDS	Northern Mariana Islands	TANAPAG FUEL FARM	5,116	204	110
FUDS	California	TEMECULA BOMB TARGET #107	3,353	373	4,493
FUDS	Alaska	TIGALDA ISLAND	4,203	72	0
FUDS	Pennsylvania	TOBYHANNA ARTILLERY RANGE	48,135	490	3,014
FUDS	California	TRAVIS AFB NIKE BATTERY 10	8,601	1,119	1,380
FUDS	Maryland	TRIUMPH EXPLOSIVES, INC.	527	12	36
FUDS	Georgia	TURNER AIR FORCE BASE	25,011	1,164	40,339
FUDS	Missouri	TYSON VALLEY POWDER FARM	25,365	101	597
FUDS	Alaska	UMIAT AFS	116,271	16,789	186,387
FUDS	Alaska	UNALAKLEET AFSTA	26,420	72	2,640
FUDS	Alaska	UNALGA ISL NAV RADIO	5,596	51	7,214
FUDS	West Virginia	US EXPLOSIVES PLANT C	785	17	131

**Appendix D: Active Installations, National Guard Facilities, and Formerly Used Defense Sites  
Properties where DoD Plans to Obligate Environmental Restoration Account Funding  
in Fiscal Year 2023**

<b>DoD Component</b>	<b>State</b>	<b>Installation Name</b>	<b>Actual Obligations Through FY 2022 (\$000)</b>	<b>Planned Obligations in FY 2023 (\$000)</b>	<b>Planned Obligations After FY 2023* (\$000)</b>
FUDS	Utah	UTAH ORDNANCE PLANT	206	10	0
FUDS	American Samoa	VAIPITO VILLAGE	3,048	61	11
FUDS	Mississippi	VAN DORN-ARMY TRNG CAMP	7,699	118	61,862
FUDS	Florida	VENICE BOMBING RANGE	1,406	398	1,158
FUDS	New Mexico	WAFB FAC SITE #11	175	195	81
FUDS	Hawaii	WAIKANE TRAINING AREA	10,326	286	13,551
FUDS	Hawaii	WAIKOLOA MANEUVER AREA	293,643	9,279	451,308
FUDS	New Mexico	WALKER AFB	34,844	212	5,261
FUDS	Virginia	WALLOPS FLIGHT FACILITY	20,958	12,345	27,718
FUDS	Massachusetts	WATERTOWN ARSENAL	8,854	90	847
FUDS	Texas	WEBB AIR FORCE BASE	4,722	73	2,669
FUDS	North Carolina	WEEKSVILLE NAV AIR FAC	898	36	115
FUDS	Missouri	WEINGARTEN POW CAMP	993	50	44
FUDS	West Virginia	WEST VIRGINIA ORD WORKS	107,673	10,406	69,622
FUDS	Massachusetts	WESTOVER AFB	13,327	142	9,770
FUDS	Alaska	WILDWOOD AFS	15,186	143	1,808
FUDS	Ohio	WILKINS AIR FORCE STATION	3,485	14	902
FUDS	West Virginia	WV MANEUVER AREA/DOLLY SODS	14,681	408	26,002
FUDS	Alaska	YAKUTAT AFB	42,727	480	13,667
FUDS	Utah	YELLOW JACKET TARGET AREA	13,584	1,193	14,068
FUDS	Pennsylvania	YORK NAVAL ORDNANCE PLANT	3,232	31	104
FUDS	Ohio	YOUNGSTOWN MUNIC AIRPORT	1,386	72	3,339
<b>Totals:</b>			<b>34,433,725</b>	<b>1,447,613</b>	<b>26,452,558</b>

\* These estimates are based on information available as of the end of FY 2022 and are expected to increase in the future as DoD completes investigations and defines future requirements, due to EPA issuing new guidance and regulations concerning PFAS, and due to the transition of National Guard sites to the DERP. DoD will plan and program for future requirements as they are defined.