

<b>DoD Component</b>	<b>Installation Name</b>	<b>City</b>	<b>State</b>
DON	HUNTERS POINT NSY	San Francisco	CA
DON	HUNTERS POINT NSY	San Francisco	CA
DON	HUNTERS POINT NSY	San Francisco	CA
DON	HUNTERS POINT NSY	San Francisco	CA
DON	HUNTERS POINT NSY	San Francisco	CA
DON	ALAMEDA NAS	Alameda	CA
DON	ALAMEDA NAS	Alameda	CA
DON	BRUNSWICK NAS	Brunswick	ME
DON	BRUNSWICK NAS	Brunswick	ME
DON	LONG BEACH NS	Long Beach	CA
DON	LONG BEACH NS	Long Beach	CA
DON	TREASURE ISLAND NS	San Francisco	CA
DON	TREASURE ISLAND NS	San Francisco	CA
DON	NS SAN DIEGO	San Diego	CA
DON	MARE ISLAND NSY	Vallejo	CA
DON	MARE ISLAND NSY	Vallejo	CA
DON	MARE ISLAND NSY	Vallejo	CA
DON	NAS NORTH ISLAND	Coronado	CA
DON	MCB CAMP LEJEUNE	Jacksonville	NC
DON	NWS YORKTOWN	Yorktown	VA
DON	NAWS CHINA LAKE	China Lake	CA
DON	NAS NORTH ISLAND	Coronado	CA
DON	NAS NORTH ISLAND	Coronado	CA
USAF	Elmendorf AFB	Anchorage	AK

USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	Kelly (Lackland) AFB	San Antonio	TX
USAF	Hill AFB	Ogden	UT
Army	Dugway Proving Ground	Dugway	UT
Army	Sharpe Army Depot	Sharpe	CA

<b>Site Name</b>	<b>NPL (Y/N)</b>	<b>Radiological Contaminant(s)</b>
Site 1	Y	Ra-226, Sr-90
Site 7	Y	Cs-137, Ra-226, Sr-90
Site 28	Y	Cs-137, Ra-226, Sr-90, Th-232
Site 36	Y	Cs-137, Ra-226, Sr-90 daughters
Site 39	Y	Cs-137, Pu-239, Ra-226
Site 5	Y	Ra-226
Site 32	Y	Ra-226
Sites 1/3 Landfill	Y	Suspected mining tailings in the fill material.
Site 7	Y	Ra-226
Site 1	N	Ra-226, Sr-90
Site 2	N	Ra-226, Sr-90
Site 12	N	Ra-226
Site 32	N	Ra-226
Dredging project	N	Ra-226, Sr-90
UXO 3, Dredge Pond 3E, Northern MC Firing Range	N	Ra-226, Sr-90
UXO 7	N	Ra-226, Sr-90
UXO 13/Paint Waste Area	N	Ra-226, Sr-90
SWMU 53, B341	N	Ra-226
IR-82	Y	Ra-226
Site 24	Y	Ra-226
IRP Site 28	N	Ra-226
Site 10	N	Ra-226
Site 10 Shoreline Slag Area	N	Ra-226
SS22	Y	Ra-226

AOC-314, CS-43, CS-69, PR	Y	Ra-226
PRL S-038	Y	Ra-226
CS 067	Y	Ra-226
Consolidation Unit	N	Ra-226
Bldg 129 & 133	N	Ra-226
Room 201 of Bldg 214	N	Ra-226
Burial Pits (Trenches 5 and 6) (SWMU 11) (DPG-011)	N	Cs-137, Ra-226 Sr-90, Po-210
Burn Pits Grid AC-W5, SBA, S-33/29 (SHAD-014)	Y	Ra-226

<b>Phase of Work (e.g., investigation, cleanup)</b>
Cleanup, T&D
Investigation
Investigation/Cleanup
Investigation
Investigation/Cleanup
Cleanup
Investigation/Cleanup
Monitoring
Cleanup
Investigation/Cleanup
Investigation/Cleanup
Investigation/Cleanup
Investigation/Cleanup
Investigation
Investigation
Investigation
TCRA Survey
Cleanup
Disposal
Monitoring
Investigation
NTCRA
characterization

clean-up ongoing
clean-up ongoing
clean-up ongoing
NA
characterization
NA
Investigation (RI)
Investigation (RI)

## Brief Description of Planned Work

Grading & capping (Parcel E-2)

Investigation of past cleanup work

Soil excavation (Parcel C SS/SD), building scans/remediation (Parcel C); investigation of past cleanup work

Investigation of past cleanup work

Soil excavation (Parcel E SS/SD), soil excavation to 1 foot bgs and capping (Parcel E at IR 02/03), building scans/remediation (Parcel E); investigation of past cleanup work

Additional cleanup of paint/wax-coated surfaces related to/in the vicinity of the paint shop.

Install soil cover, conduct RAD surface scans, plant native vegetation, and manage the cover for erosion/weeds.

Elevated levels of radionuclides found in outfall sediment. Sediment removed and area capped. Landfill capping was completed in summer 2018. Monitoring will continue to document that cleanup and capping were effective.

Radioluminescent circuit breaker and other small devices discovered during soil removal action. Conducting additional investigations to complete munitions and RAD assessment. Additional cleanup or land-use controls will be implemented as necessary based on investigations.

Completed fieldwork for data gap investigation/remediation in July 2019. Completed disposal of LLRW generated in February 2021. Initiated Draft Remedial Action Completion Report in August 2021.

Completed fieldwork for data gap investigation/remediation in July 2019. Completed disposal of LLRW generated in February 2021. Initiated Draft Remedial Action Completion Report in August 2021.

RAD CSM technical memorandum under development; FS Addendum planned; 1400 series housing RAD site investigation planned

Final status survey of surfaces and structures

Sift through dredge spoils to identify any commodities present.

Geophysical survey, RAD survey, soil and GW sampling completed. RI report is in preparation.

Attempting to gain free release determination from regulatory agencies on portion of the site. Site may require institutional controls associated with munitions. FS report is in preparation.

Finalized RI and FSS Report. Completed data gaps investigation at Paint Waste Area and currently preparing the FS report.

Removal of pipe containing residual Ra-226. Fieldwork November 2020.

Disposal of commodities and associated soils identified by contractor during non-radiological work. Final LLRW disposal by the end of the year.

Disposal of commodities containing Ra-226 components. LLRW disposal by the end of the year.

Groundwater sample wells being drilled in area of potential rad commodity disposal area. If surveys detect rad, area will be avoided. If commodity is visible, it will be collected for disposal as LLRW. Avoidance method used for drilling. Anomalies were identified.

LLRO Demonstration Project - 3 soiler sorter technology companies will demo equipment to assess feasibility for rad commodity screening of large soil pile known to contain historical rad commodities. Field work planned in FY21

Survey results show that there is radiological slag waste present outside of the existing site boundary exposed over time by the tidal action in the intertidal zone. On-going.

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Remediation underway
Remediation underway
Remediation underway
Accepting soil from other McClellan sites
No action occurring at this site. Characterization pending. Old sewer line possibly contaminated under existing buildings - buildings are not contaminated. Land subject to a Texas Commission on Environmental Quality Corrective Action Permit
No action occurring at this site. Facility actively used, historical contamination partially remediated and then sealed in place.
<p>Activities to determine the nature and extent of the contamination at the site were completed and documented in the <i>Final Implementation of Portions of the Work Plan for Remedial Investigation/Feasibility Study (RI/FS) for Area 2 of Solid Waste Management Unit (SWMU) 11</i> (August 2014) and the <i>Final Report Area 2 SWMU 11 Trenches TR-5 and TR-6</i> (September 2016); together, these documents constitute a complete RI. In fiscal year (FY) 2019, the Army awarded a contract for the execution and completion of the Feasibility Study, Proposed Plan, and the Record of Decision under the CERCLA/DERP process. The Draft <i>Feasibility Study</i> was provided to NRC for review in June 2020; NRC comments were incorporated into the document and NRC concurred with the Feasibility Study on 28 July 2020. The Army provided the <i>Draft Proposed Plan to NRC</i> for review in early FY21. The recommended alternative involves excavation of contaminated soil and debris, disposal of excavated materials at an appropriately permitted offsite disposal facility, and site restoration. On 9 September 2021, the Army provided the Draft Final Record of Decision to the NRC for review and comment; completion of the Record of Decision is anticipated in FY22. The Army will continue to engage with NRC, including projected schedule and progress, per the terms of the DoD/NRC MOU.</p>
<p>The Remedial Investigation/Feasibility Study (RI/FS) was completed in May 2019; the final document was provided to NRC. The Proposed Plan was initiated in FY20 and was expected to be completed in April 2021; however, the Proposed Plan has not yet been finalized due to delays associated with discussions between the Army, USEPA, and the State of California on Applicable and Relevant or Appropriate Requirements (ARARs). The preferred alternative is excavation with offsite disposal of contaminated material; the future land use is industrial. The Decision Document will be completed once the ARARs issue is resolved. The SHAD-041 parcel will not be transferred until the remedial action for this site is complete. The Army will continue to engage with NRC in their "stay informed" role under the terms of the DoD/NRC MOU, to include participation in quarterly meetings with our other regulatory partners.</p>



PLANNED WORK AT DOD CLEANUP SITES WITH CONFIRMED RELEASE OF RADIOLOGICAL MATERIALS

Installation Name	City	State	Site Name	NPL	RAD Contaminant(s)	Phase of Work	Brief Description of Planned Work
HUNTERS POINT NSY	San Francisco	CA	Site 1	Y	Ra-226, Sr-90	Cleanup, T&D	Grading & capping (Parcel E-2)
HUNTERS POINT NSY	San Francisco	CA	Site 7	Y	Cs-137, Ra-226, Sr-90	Investigation	Investigation of past cleanup work
HUNTERS POINT NSY	San Francisco	CA	Site 28	Y	Cs-137, Ra-226, Sr-90, Th-232	Investigation/Cleanup	Soil excavation (Parcel C SS/SD), building scans/remediation (Parcel C); investigation of past cleanup work
HUNTERS POINT NSY	San Francisco	CA	Site 36	Y	Cs-137, Ra-226, Sr-90 daughters	Investigation	Investigation of past cleanup work
HUNTERS POINT NSY	San Francisco	CA	Site 39	Y	Cs-137, Pu-239, Ra-226	Investigation/Cleanup	Soil excavation (Parcel E SS/SD), soil excavation to 1 foot bgs and capping (Parcel E at IR 02/03), building scans/remediation (Parcel E); investigation of past cleanup work
ALAMEDA NAS	Alameda	CA	Site 5	Y	Ra-226	Cleanup	Additional cleanup of paint/wax-coated surfaces related to/in the vicinity of the paint shop.
ALAMEDA NAS	Alameda	CA	Site 32	Y	Ra-226	Investigation/Cleanup	Install soil cover, conduct RAD surface scans, plant native vegetation, and manage the cover for erosion/weeds.
BRUNSWICK NAS	Brunswick	ME	Sites 1/3 Landfill	Y	Suspected mining tailings in the fill material.	Monitoring	Elevated levels of radionuclides found in outfall sediment. Sediment removed and area capped. Landfill capping was completed in summer 2018. Monitoring will continue to document that cleanup and capping were effective.
BRUNSWICK NAS	Brunswick	ME	Site 7	Y	Ra-226	Cleanup	Radioluminescent circuit breaker and other small devices discovered during soil removal action. Conducting additional investigations to complete munitions and RAD assessment. Additional cleanup or land-use controls will be implemented as necessary based on investigations.
LONG BEACH NS	Long Beach	CA	Site 1	N	Ra-226, Sr-90	Investigation/Cleanup	Completed fieldwork for data gap investigation/remediation in July 2019. Completed disposal of LLRW generated in February 2021. Initiated Draft Remedial Action Completion Report in August 2021.
LONG BEACH NS	Long Beach	CA	Site 2	N	Ra-226, Sr-90	Investigation/Cleanup	Completed fieldwork for data gap investigation/remediation in July 2019. Completed disposal of LLRW generated in February 2021. Initiated Draft Remedial Action Completion Report in August 2021.
TREASURE ISLAND NS	San Francisco	CA	Site 12	N	Ra-226	Investigation/Cleanup	RAD CSM technical memorandum under development, FS Addendum planned, 1400 series housing RAD site investigation planned
TREASURE ISLAND NS	San Francisco	CA	Site 32	N	Ra-226	Investigation/Cleanup	Final status survey of surfaces and structures
NS SAN DIEGO	San Diego	CA	Dredging project	N	Ra-226, Sr-90	Investigation	Silt through dredge spoils to identify any commodities present.
MARE ISLAND NSY	Vallejo	CA	Northern MC Firing Range	N	Ra-226, Sr-90	Investigation	Geophysical survey, RAD survey, soil and GW sampling completed. RI report is in preparation.
MARE ISLAND NSY	Vallejo	CA	UXO 7	N	Ra-226, Sr-90	Investigation	Attempting to gain free release determination from regulatory agencies on portion of the site. Site may require institutional controls associated with munitions. FS report is in preparation.
MARE ISLAND NSY	Vallejo	CA	UXO 13/Paint Waste Area	N	Ra-226, Sr-90	Investigation	Finalized RI and FSS Report. Completed data gaps investigation at Paint Waste Area and currently preparing the FS report.
NAS NORTH ISLAND	Coronado	CA	SWMU 53, B341	N	Ra-226	TCRA Survey	Removal of pipe containing residual Ra-226. Fieldwork November 2020.
MCB CAMP LEJEUNE	Jacksonville	NC	IR-82	Y	Ra-226	Cleanup	Disposal of commodities and associated soils identified by contractor during non-radiological work. Final LLRW disposal by the end of the year.
NWS YORKTOWN	Yorktown	VA	Site 24	Y	Ra-226	Disposal	Disposal of commodities containing Ra-226 components. LLRW disposal by the end of the year.
NAWS CHINA LAKE	China Lake	CA	IRP Site 28	N	Ra-226	Monitoring	Groundwater sample wells being drilled in area of potential rad commodity disposal area. If surveys detect rad, area will be avoided. If commodity is visible, it will be collected for disposal as LLRW. Avoidance method used for drilling. Anomalies were identified.
NAS NORTH ISLAND	Coronado	CA	Site 10	N	Ra-226	Investigation	LLRO Demonstration Project - 3 soiler sorter technology companies will demo equipment to assess feasibility for rad commodity screening of large soil pile known to contain historical rad commodities. Field work planned in FY21
NAS NORTH ISLAND	Coronado	CA	Site 10 Shoreline Slag Area	N	Ra-226	NTCRA	Survey results show that there is radiological slag waste present outside of the existing site boundary exposed over time by the tidal action in the intertidal zone. On-going.

DoD Component	Installation Name	City	State
USAF	Elmendorf AFB	Anchorage	AK
USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	McClellan AFB	Sacramento	CA
USAF	Kelly (Lackland) AFB	San Antonio	TX
USAF	Hill AFB	Ogden	UT

Site Name	NPL (Y/N)	RAD Contaminant(s)	Phase of Work (e.g., investigation, cleanup)
SS22	Y	Ra-226	characterization
AOC-314, CS-43, CS-69, PRL-20, Old Magpie Creek Channel	Y	Ra-226	clean-up ongoing
PRL S-038	Y	Ra-226	clean-up ongoing
CS 067	Y	Ra-226	clean-up ongoing
Consolidation Unit	N	Ra-226	NA
Bldg 129 & 133	N	Ra-226	characterization
Room 201 of Bldg 214	N	Ra-226	NA

Brief Description of Planned Work
No action occurring at this site
Remediation underway
Remediation underway
Remediation underway
Accepting soil from other McClellan sites
Characterization pending. Old sewer line possibly contaminated under existing buildings - buildings are not contaminated. Land subject to a Texas Commission on Environmental Quality Corrective Action Permit
No action occurring at this site. Facility actively used, historical contamination partially remediated and then sealed in place.

DoD Component	Installation Name	City	State	Site Name	NPL (Y/N)
Army	Dugway Proving Ground	Dugway	UT	Burial Pits (Trenches 5 and 6) (SWMU 11) (DPG-011)	N
Army	Sharpe Army Depot	Sharpe	CA	Burn Pits Grid AC-W5, SBA, S-33/29 (SHAD-014)	Y

<b>Radiological Contaminant(s)</b>	<b>Phase of Work (e.g., investigation, cleanup)</b>
Cs-137, Ra-226 Sr-90, Po-210	Investigation (RI)
Ra-226	Investigation (RI)

### Brief Description of Planned Work

Activities to determine the nature and extent of the contamination at the site were completed and documented in the *Final Implementation of Portions of the Work Plan for Remedial Investigation/Feasibility Study (RI/FS) for Area 2 of Solid Waste Management Unit (SWMU) 11* (August 2014) and the *Final Report Area 2 SWMU 11 Trenches TR-5 and TR-6* (September 2016); together, these documents constitute a complete RI. In fiscal year (FY) 2019, the Army awarded a contract for the execution and completion of the Feasibility Study, Proposed Plan, and the Record of Decision under the CERCLA/DERP process. The Draft *Feasibility Study* was provided to NRC for review in June 2020; NRC comments were incorporated into the document and NRC concurred with the Feasibility Study on 28 July 2020. The Army provided the *Draft Proposed Plan to NRC* for review in early FY21. The recommended alternative involves excavation of contaminated soil and debris, disposal of excavated materials at an appropriately permitted offsite disposal facility, and site restoration. On 9 September 2021, the Army provided the Draft Final Record of Decision to the NRC for review and comment; completion of the Record of Decision is anticipated in FY22. The Army will continue to engage with NRC, including projected schedule and progress, per the terms of the DoD/NRC MOU.

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