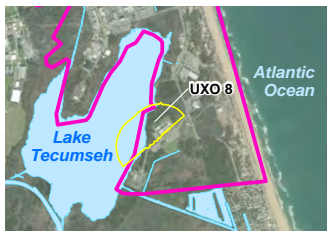


**NAVAL AIR STATION OCEANA  
DAM NECK ANNEX  
2020 Environmental Restoration Success Story**

**MUNITIONS RESPONSE PROGRAM  
NET ENVIRONMENTAL BENEFIT ANALYSIS FOR UXO 8**

**Background** – UXO 8, the former Skeet and Trap Range, is located in the southwestern portion of Dam Neck Annex. The former Skeet and Trap Range consisted of four skeet and four trap ranges used during the 1940s and 1950s. Small arms ammunition used at UXO 8 is understood to have been 12-gauge and smaller shotgun ammunition. The primary environmental contaminant associated with shotgun ammunition is lead. Polycyclic aromatic hydrocarbons (PAHs) are also potential contaminants because of their use in the manufacturing of clay targets which were also used at the range. Following completion of the Site Inspection in 2011 and the Revised Site Inspection in 2012, it was concluded that that PAHs and lead in the surface soil posed potentially unacceptable human health and ecological risks; and lead in sediment posed a potentially unacceptable ecological risk. The Site Inspection recommended conducting a Remedial Investigation to further delineate the lateral and vertical extents of PAH and lead contamination in soil and sediment and to establish site-specific soil background levels for lead. The Remedial Investigation identified unacceptable human and ecological risks associated with lead in surface and subsurface soil, and unacceptable human health and potentially unacceptable ecological risks associated with surface sediment.

**Status** – A Net Environmental Benefit Analysis (NEBA) for UXO 8 is being prepared to provide additional information to decision-makers when developing and selecting a remedial alternative to manage ecological and human health risks associated with lead in the surface soil of the undeveloped terrestrial area of the former Skeet and Trap Range. The NEBA will identify lead target cleanup concentrations that could provide a net environmental benefit by reducing the area of forested habitat that would be impacted during remedial activities.



**Legend**

- Dam Neck Annex boundary
- MRP site boundary

0 0.25 0.5 mile

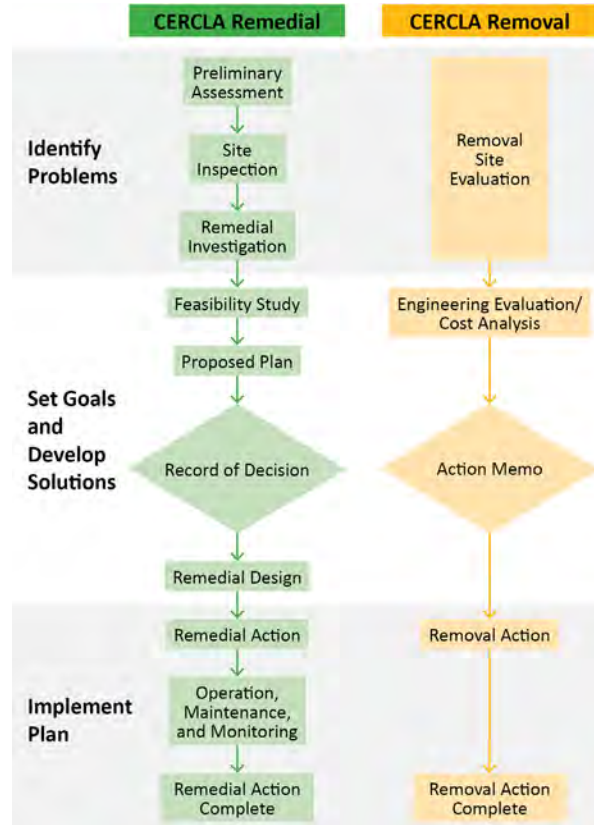
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**Environmental Restoration  
CLEAN. PROTECT. RESTORE.**

This brochure has been created as part of the Navy's Environmental Restoration community outreach program. The Navy provides the public with information on the ERP at Dam Neck Annex and other Navy facilities. To facilitate community outreach, the Navy ERP focuses on communicating how the Navy, USEPA, and states work together to restore areas where former operations have caused environmental contamination.

**DAM NECK ANNEX ENVIRONMENTAL INVESTIGATION PROCESS**

Under the CERCLA process, investigations and restoration of contaminated sites are conducted through the following steps:



**NAVAL AIR STATION OCEANA  
DAM NECK ANNEX  
Virginia Beach, Virginia  
Environmental Restoration Program**



0 1 2 miles

N

This fact sheet provides information on environmental investigation and restoration activities at Naval Air Station (NAS) Oceana Dam Neck Annex. The Navy works in partnership with the Virginia Department of Environmental Quality to manage the Environmental Restoration Program (ERP) at Dam Neck Annex.

If you would like additional information about the Dam Neck Annex ERP, contact Jillian Wheeler, Remedial Project Manager, at 757-341-0485 or e-mail [jillian.wheeler@navy.mil](mailto:jillian.wheeler@navy.mil).

For other questions regarding Dam Neck Annex, contact the NAS Oceana/Dam Neck Annex Public Affairs Officer at 757-433-3131 or e-mail [OceanaPAO@navy.mil](mailto:OceanaPAO@navy.mil).

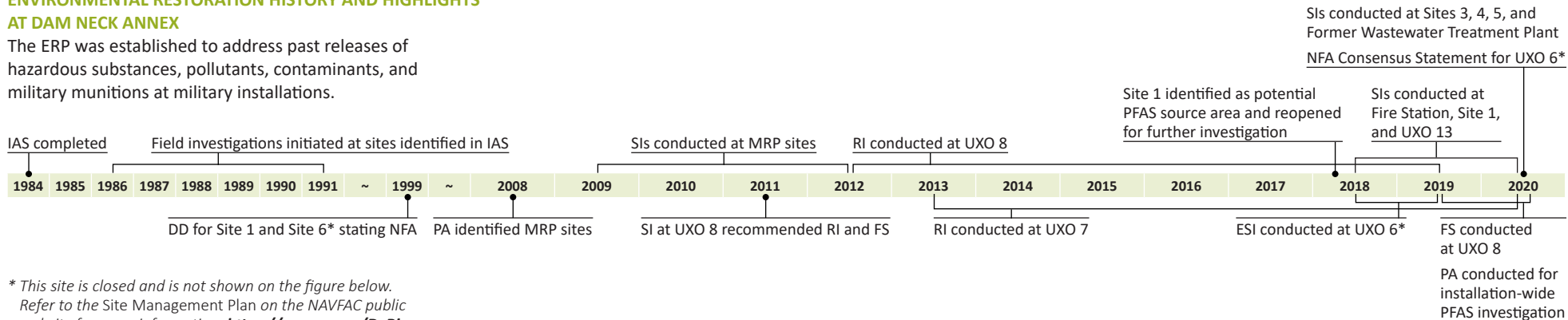
**FOR MORE INFORMATION**  
<https://go.usa.gov/DyRj>  
 NAS Oceana Information Repository –  
 Meyera E. Oberndorf Central Library | Virginia Beach

# NAVAL AIR STATION OCEANA DAM NECK ANNEX Environmental Restoration Program

Dam Neck Annex is approximately 3 miles southeast of NAS Oceana, in Virginia Beach, and covers approximately 1,800 acres. Dam Neck Annex was an anti-aircraft gunnery range where fleet personnel were trained in the operation of 20- and 40-mm anti-aircraft guns. The current mission of this installation is to provide force-level engineering solutions, mission-critical and associated testing, and training technologies for the maritime, joint, special warfare, and information operations domains.

## ENVIRONMENTAL RESTORATION HISTORY AND HIGHLIGHTS AT DAM NECK ANNEX

The ERP was established to address past releases of hazardous substances, pollutants, contaminants, and military munitions at military installations.



\* This site is closed and is not shown on the figure below. Refer to the Site Management Plan on the NAVFAC public website for more information: <https://go.usa.gov/DyRj>.

## ENVIRONMENTAL RESTORATION PROGRAM SITES

Active ERP sites at Dam Neck Annex (see figure) include the following:

### Active Installation Restoration Program Sites

- Site 1 – Regulus Avenue Landfill
- Site 3 – Drone Repair Shop
- Site 4 – Regulus Avenue Metal Scrapyard
- Site 5 – Public Works Disposal Area
- Fire Station
- Former Wastewater Treatment Plant
- Other areas that are part of the installation-wide PFAS investigation<sup>a</sup>

### Active Munitions Response Program Sites

- UXO 7 – Former Moving Target/Mortar Range (South)
- UXO 8 – Former Skeet and Trap Range
- UXO 13 – Former Moving Target/Mortar Range (North)

### Potential Munitions Response Program Sites<sup>b</sup>

- Land Buffer Parcel
- Potential Offshore Rockets
- Lake Tecumseh<sup>c</sup>
- Former Anti-Aircraft Training Firing Range<sup>d</sup>

a PFAS are compounds with heat-resistant properties that were used in some formulations of aqueous film-forming foam (AFFF). Two of these compounds, PFOS and PFOA, were present in AFFF used by the Navy. See the following website for more detail: <http://www.secnav.navy.mil/eie/Pages/PFC-PFAS.aspx>.

b These sites are being investigated and are considered potential sites until the presence of munitions and explosives of concern is confirmed.

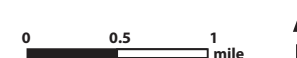
c Site boundary not established.

d Site boundary shows the land portion of the site.



### Legend

- Dam Neck Annex boundary
- Active IRP site boundary
- Active MRP site boundary
- Potential MRP site boundary



AFFF	aqueous film-forming foam
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DD	Decision Document
ERP	Environmental Restoration Program
ESI	Expanded Site Inspection
FS	Feasibility Study
IAS	Initial Assessment Study
IRP	Installation Restoration Program
mm	millimeter(s)
MRP	Munitions Response Program
NAS	Naval Air Station
NEBA	Net Environmental Benefit Analysis
NFA	No Further Action
PA	Preliminary Assessment
PAH	polycyclic aromatic hydrocarbon
PFAS	per- and polyfluoroalkyl substance(s)
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
RI	Remedial Investigation
SI	Site Inspection
USEPA	U.S. Environmental Protection Agency
UXO	unexploded ordnance