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FACT SHEET FOR THE ENGINEERING EVALUATION/COST ANALYSIS UXO-14 FORMER  
INDOOR PISTOL RANGE RR-53 MCB CAMP LEJEUNE NC  
8/16/2012  
NAVFAC MIDLANT

# Site UXO-14 – Former Indoor Pistol Range, RR-53 Engineering Evaluation/Cost Analysis

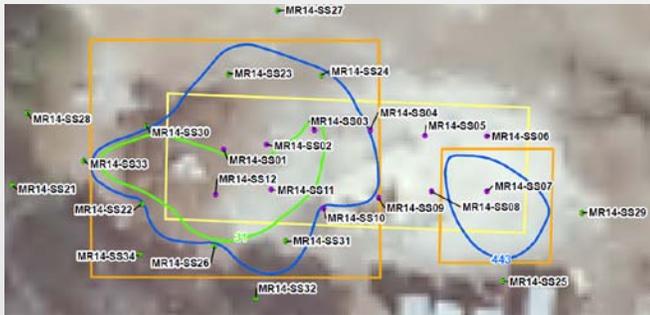
Marine Corps Installations East – Marine Corps Base Camp Lejeune  
North Carolina  
Public Meeting: August 16, 2012



## Background

Site Unexploded Ordnance (UXO) 14, Former Indoor Pistol Range, RR-53, is located in the Stones Bay area, in the southwest portion of Marine Corps Installations East - Marine Corps Base Camp Lejeune (MCIEAST-MCB CAMLEJ), in Onslow County, North Carolina. The Former Indoor Pistol Range, RR-53 was used for small arms training from 1950 to 1996, when it was demolished.

Investigations conducted from 2008 through 2011 identified potential unacceptable risks to human health and the environment posed by exposure to lead and antimony in surface soil (0 to 1 feet below ground surface) at the site. A Non-Time-Critical Removal Action (NTCRA) was recommended and an Engineering Evaluation/Cost Analysis (EE/CA) was prepared to evaluate alternatives for the NTCRA.



Site Map with NTCRA Area in Orange

## Removal Action Objectives

The objectives of the removal action are to mitigate potential unacceptable risks to human health and the environment posed by exposure to lead- and antimony-impacted surface soil and to reduce the potential for contaminant migration from soil to groundwater and surface water.

## Removal Action Alternatives

Three removal action alternatives were evaluated with respect to effectiveness, implementability, and cost:

1. No Action (a baseline for comparison)
2. Excavation and Offsite Disposal
3. In Situ Soil Stabilization with Excavation and Offsite Disposal

## Recommended Alternative

The recommended alternative is **Alternative 3, In Situ Soil Stabilization with Excavation and Offsite Disposal**. A stabilizing reagent would be mixed into the top foot of soil. Approximately 270 cubic yards of stabilized material would then be excavated, managed as non-hazardous waste, and transported offsite for disposal. Confirmation samples would be collected from the side walls and base of the excavation to verify that the contamination was removed.

This removal action will protect human health and the environment by permanently removing impacted soil from the site, is readily implementable through proven technologies, and is cost-effective.

## Public Comment Information

The EE/CA and other background documentation are available for public review in the Administrative Record and are located on the internet at <http://go.usa.gov/jZi>. The website and a hard copy version of the EE/CA are also available at:

Onslow County Public Library  
58 Doris Avenue East  
Jacksonville, NC 28540  
(910) 455-7350

Please provide written comments on the Site UXO-14 Former Indoor Pistol Range EE/CA on or before (postmark by) September 16, 2012 to the following address:

Mr. Dave Cleland  
NAVFAC Mid-Atlantic,  
Code OPCEV  
North Carolina IPT  
Environmental Business Line  
6506 Hampton Blvd  
Norfolk, VA 23508  
Phone (757) 322-4851  
Fax (757) 322-8280  
[david.t.cleland@navy.mil](mailto:david.t.cleland@navy.mil)