



**US Army Corps
of Engineers®**
New York District

FORMERLY USED DEFENSE SITES (FUDS)

Former Raritan Arsenal Edison, New Jersey

FACT SHEET

February 2011

DESCRIPTION: Raritan Arsenal occupied approximately 3,200 acres and was bounded by Woodbridge Avenue and the Raritan River between Mill Road and Clearview Avenue in Edison, New Jersey, Congressional District NJ-6. The Former Raritan Arsenal was used extensively for U.S. Army operations from 1917 to 1963. Operations included receipt, storage, and maintenance of ammunition shipped from other ordnance facilities or returned from overseas; renovation of ammunition designated for long-term storage; the salvage of outmoded or seriously deteriorated ammunition; ordnance research and development; and shipment and receipt of weapons. During operations, waste materials, including ordnance, were routinely buried on site as this was the standard method of disposal at that time. The arsenal was closed in 1963. Following closure, areas of the site were identified for further study to address the disposal of ordnance and other wastes related to arsenal operations. This preliminary remediation work resulted in many of the areas being surface cleared or partially decontaminated. More extensive investigations followed, including work under the Defense Environmental Restoration Program (DERP) for Formerly Used Defense Sites (FUDS) program.

AUTHORIZATION/PROJECT DESCRIPTION: The former Raritan Arsenal is being investigated under the Defense Environmental Restoration Program (DERP) for Formerly Used Defense Sites (FUDS). The Superfund Amendments and Reauthorization Act of 1986 authorized that program. Corps investigations of the former arsenal concluded that conventional, high explosive ordnance and hazardous and toxic waste (HTW) contamination are present. As significant health and safety threats were identified, they have been addressed.

STATUS:

Current issues:

- A pilot test remedial system to address the potential for intrusion of vapors into the buildings from impacted groundwater has been installed at various locations within Raritan Center
 - 165 Fieldcrest Avenue and Area 18C
- Ordnance removal activity at Area 12 ongoing until December 2011
- Continue an indoor air quality evaluations and monitoring (10 buildings)
- Perform treatability study of volatile organic groundwater impacts related to Defense of Operations (DoD) operations. Determine the best method to address Area of Concern 2.
- Area 4: Remedial actions completed. Deed Notice submitted to New Jersey Department of Environmental Protection (NJDEP).
- Area 5: Commenced Project Close-Out (PCO) process to document the completion of chemical warfare materiel (CWM) removal at Area 5. Generate a Remedial Investigation report.
- Annual Indoor Air Quality monitoring report #6 submitted to NJDEP and landowners.
- Draft Site-Wide Human Health Risk Assessment finalized.
- Draft Groundwater Feasibility Study currently being finalized.
- Final Baseline Ecological Risk Assessment completed March 2008; Ecological Risk Management Action Plan being prepared in FY 2011.

Future planned activities:

- Continue indoor air and sub-slab monitoring at select buildings
- Continue ordnance removal in Area 12
- Continue Area 18E – Soil Investigation / Removal Action
- Execute a Long Term Groundwater Monitoring Program & Well Abandonment project
- Prepare Annual Indoor Air Quality report #7
- Prepare Final Ecological Risk Management Plan
- Prepare Site-wide Soil – Human Health Risk Assessment
- Prepare Site-wide Soil – Record of Decision
- Revise Management Action Plan
- Update Community Relations Plan

PROJECT COST:

Federal (FUDS Program):

Prior years funding plus current year: \$75 million (as of FY 2011)

Ordnance investigations and removals: \$25 million (as of FY 2011)

Hazardous, Toxic and Waste (HTW) remedial investigations: \$50 million (as of FY 2011)

Anticipated cost to complete (future years): \$53 million

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A project website has been established at:

<http://www.nan.usace.army.mil/business/buslinks/raritan/index.htm>