



US Army Corps  
of Engineers  
New York District

## **REDSTONE PARK, LODI, NJ SUMMARY FACT SHEET – March 2016**



This summary has been prepared to inform the public of environmental cleanup activities at Redstone Park in Lodi under the federal government's Formerly Utilized Sites Remedial Action Program (FUSRAP). FUSRAP is managed by the U.S. Army Corps of Engineers (USACE) and addresses waste generated by atomic research and production during the 1940s, 1950s and 1960s. The waste generated at the FUSRAP Maywood Site consisted primarily of a low-level naturally occurring radioactive material called thorium.

### **COMPLETED FUSRAP SOIL CLEANUPS AT REDSTONE PARK**

U.S. Department of Energy (DOE) actions:

- All of Redstone Park except for a portion next to the property at 10 Hancock Street was remediated in 1996. This included some hand-digging around the roots of several mature trees in the park.
- As part of this action, DOE proposed alternate cleanup standards whereby subsurface contaminated soil would remain in place around the root balls of the trees and in deeper areas (greater than four feet) under a large storm drain pipe that runs through the park. This proposal was made to preserve the natural value of the trees and to protect the pipe from damage.
- After careful review which included an assessment of potential health hazards, the U.S. Environmental Protection Agency (EPA) approved this proposal. The Borough of Lodi also supported the proposal as a way to preserve the trees for the enjoyment of park users.

U.S. Army Corps of Engineers actions:

- The portion of the park next to 10 Hancock Street was remediated in 1998 along with the 10 Hancock Street property itself.

### **CURRENT CONDITIONS**

Redstone Park has been and continues to be safe for visitors. The contaminated soil that exists is located where park users do not come in contact with it: below the surface and in places difficult to disturb without heavy equipment. A FUSRAP exposure assessment study conducted in 1996 found that leaving the contaminated soil in the root balls of the trees was protective of human health and the environment.

### **PLANNED ACTION AT REDSTONE PARK**

USACE is planning to excavate and remove the contaminated soil around the tree roots and under the drainage pipe at this time. This will eliminate potential exposure risks to workers who may have to dig around the trees or repair the pipe in the future. The soil will be transported to a licensed and permitted offsite disposal facility. The enclosed map shows the location of the work.

Some key points about the project:

- **Safety** - Portions of the park not affected by this work will remain open, except during the tree removal work. Temporary fences will be installed to separate work zones from the rest of the park. Dust suppression measures such as hosing down excavations to keep soil moist will be used. Perimeter air monitors will also operate throughout the project to track dust emissions. Trucks and other equipment will be surveyed and decontaminated as needed prior to leaving the site.
- **Timing** - The work is scheduled to begin on or about March 8 and will be conducted in two phases. The pipe will be addressed first, with completion expected by mid-June 2016. Work around the trees will start in the fall of 2016. The work is being staged in this way so the park is not impacted during the peak use summer months. Work hours will be from 7 a.m. to 5 p.m. Monday to Thursday, with Friday work as needed to meet the schedule.
- **Benefits** - This action will bring Redstone Park into full compliance with current cleanup standards. Future workers will be protected, and future land use restrictions would not be required.
- **Coordination** - All work has been coordinated with the EPA and the Borough of Lodi. Replacement of any trees that are removed will be done in consultation with local officials.

Addressing the contaminated soil around the tree root balls at this time has another benefit besides ensuring worker safety. Experience from Hurricane Sandy at another site, where high winds uprooted mature trees and brought root ball contamination to the surface, led to a review of the practice of leaving contamination under mature trees. That review considered potential exposure to future residents under the following conditions: trees were uprooted by a storm, bringing contaminated soil to the surface; a slab-on-grade home was then built above that soil. This condition is not likely given Redstone Park's current and expected future use as recreational. However, if these conditions did occur, potential future exposures to residents of the home would exceed current annual residential limits that are protective of human health, and cleanup action would be warranted. Removing the contaminated soil around the root balls now ensures that it cannot come to the surface in the future.








**Questions or more information, please contact:**

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# Approximate Limits of Excavation - Redstone Park

Lodi, NJ 07644

## Legend

-  Phase 1
-  Phase 2
-  Redstone Park
-  Security Fencing
-  Storm Sewer Pipe

