

Parks Township Shallow Land Disposal Area

Key Dates

- Record of Decision Amendment - December 2015
- Request for Proposal - Fall 2016
- Contract Award - April 2017
- Contract Protest - August 2017
- Corps confirms original contract award - October 2018
- Notice to proceed - pending/tenatively slated for Jan. 2019
- Development of work plans - 2019-2020
- Start of site infrastructure build out - Spring 2020
- Start of remediation - Spring 2021

Supporting Agencies



STATUS REPORT Nov. 14, 2018

For more information, please contact the following:
Public Affairs Office (412) 395-7500/01/02
Email: CELRP-PA@usace.army.mil
Project Website: www.lrp.usace.army.mil/fusrap/slda.htm
Facebook: www.facebook.com/PittsburghUSACE



US Army Corps
of Engineers®
Pittsburgh District

Background Information

The Parks Township Shallow Land Disposal Area (SLDA), located in Armstrong County, encompasses 44 acres of private land owned by Babcock/Wilcox Technologies (BWXT).

The Nuclear Materials and Equipment Corporation (NUMEC), a predecessor to BWXT, disposed of radioactive waste materials at the site under the Atomic Energy Commission regulations in effect at the time.

The SLDA site consists of 10 trenches containing contaminated soil and other waste materials. The estimated quantity of contaminated waste material in the trenches is approximately 24,300 cubic yards. (This equates to the area of a football field 12-feet deep.) Additional radiological contaminated surface materials identified outside of the trenches will also be removed.

Uranium, Thorium, Americium, and Plutonium contaminated waste has been identified. Uranium and Thorium contaminated waste material consisting of process residue, equipment, scrap and trash from the nearby Apollo nuclear fuel fabrication facility were disposed of within the trenches at the SLDA site between 1961 and 1970.

The Uranium in the trenches is present at various levels of enrichment. The presence of Americium and Plutonium is attributed to storage of equipment used in the adjoining Parks Facility, and has been detected in surface soils adjacent to a single trench.

Project Status

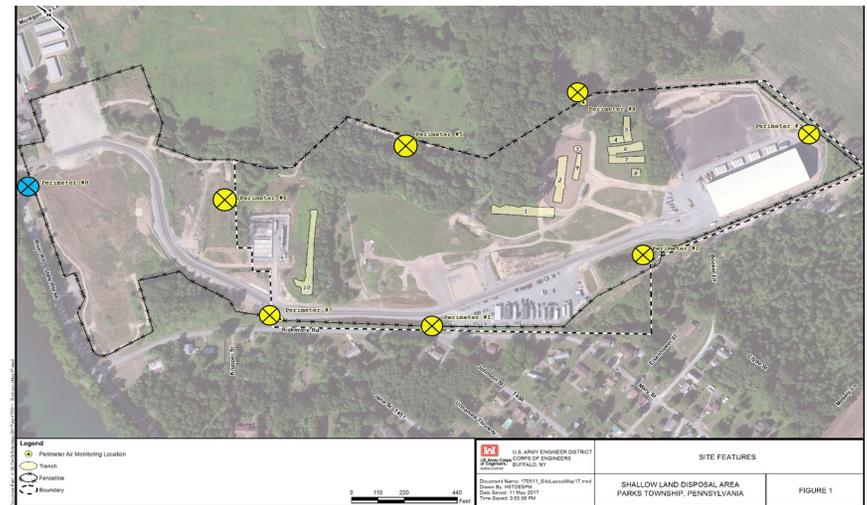
The Army Corps ensures the safety of the community by maintaining around-the-clock site security, and conducting regular air and groundwater monitoring. We will continue these actions for the duration of our presence on-site.

The Army Corps awarded a new remediation contract in the spring of 2017 to Jacobs Field Services North America, Inc. from Oak Ridge, TN. Unsuccessful bidders challenged the agency's contract award and filed protests with the Government Accountability Office. The GAO dismissed the protests after the Army Corps agreed to re-evaluate the proposals.

The Corps' re-evaluation confirmed that Jacobs Field Services NA Inc. was best qualified to conduct the remediation. A stop work order was lifted and Jacobs is currently awaiting a Notice to Proceed from the Army Corps.

Air and Dose Rate Monitoring Program

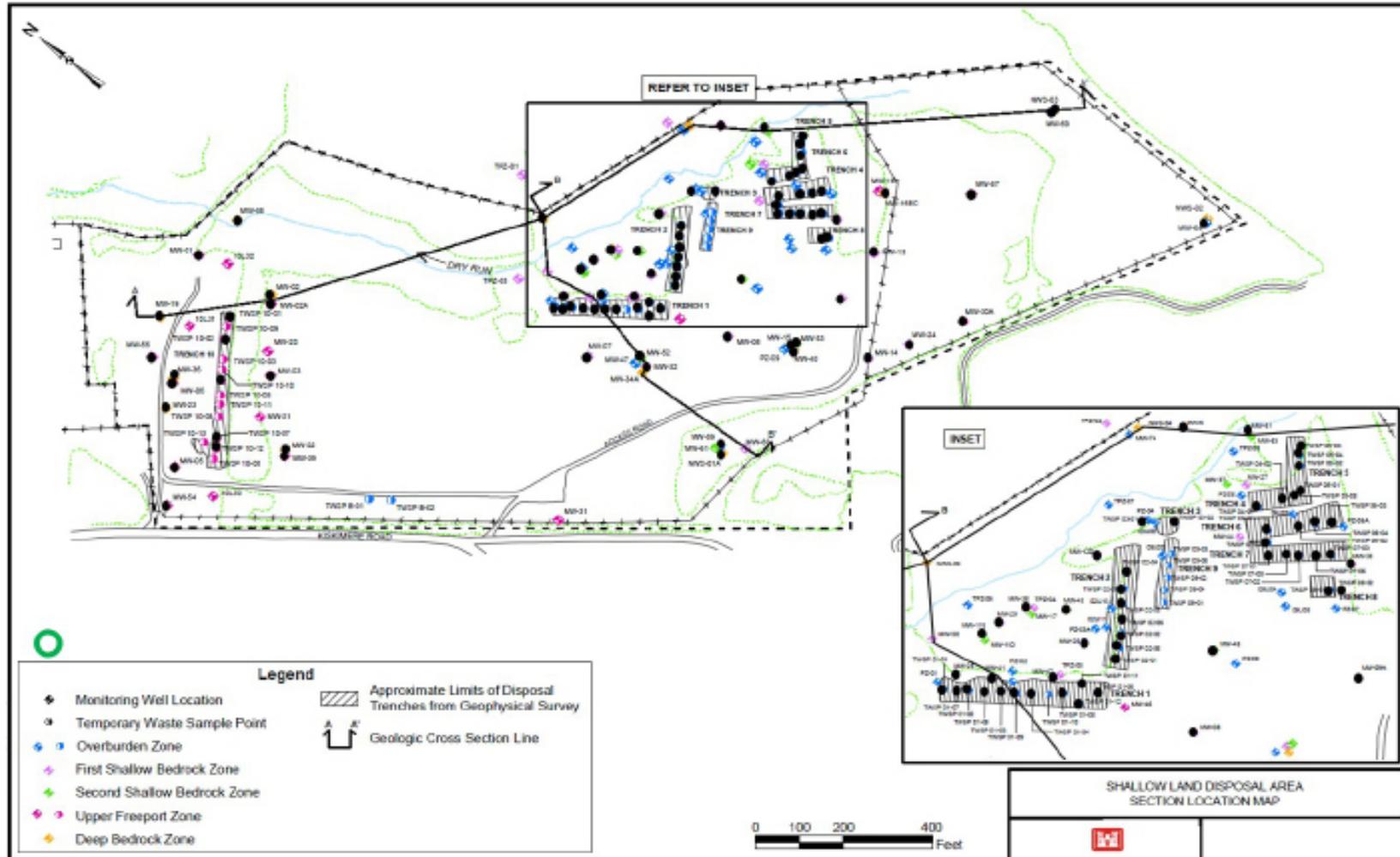
The Army Corps of Engineers has performed continuous perimeter monitoring at the site since 2011. There are eight on-site dose monitoring locations, one off-site monitor and two off-site monitors. Monitors use air pumps with filters to trap air particulates and thermoluminescent dosimeters (TLDs) to measure radiation dose. Both the air monitoring and TLD results consistently indicate no unusual radiation levels – just slight variations that one would expect when no remediation work is taking place at the site. Air and dose monitoring locations depicted in the graph below.



Groundwater Monitoring Program

The groundwater sampling results from 2017 are consistent with findings from 2003, 2004, 2011, 2013, 2014, 2015 and 2016. Radionuclides detected in groundwater are below USEPA, PADEP, and NRC drinking-water standards. There is no evidence of on-site plume development or off-site migration of radionuclides. The Corps collected samples for 2018 in August. The results of the 2018 samples will be available Spring 2019. The next sampling is planned for Summer 2019. Please visit the Pittsburgh District SLDA webpage at www.lrp.usace.army.mil to view the full groundwater sampling reports.

Water Monitoring Sampling Sites



Agenda

Opening Comments

Col. Andrew “Coby” Short, Commander, Pittsburgh District

Outreach & Communication

Jeff Hawk, Public Affairs Officer, Pittsburgh

Project Update

Capt. Brian Molloy, SLDA Project Manager, Pittsburgh

Monitoring – Water & Air

Bill Frederick, Hydrogeologist, Buffalo District

Incident Response Coordination

C.J. Infantino, Army Corps Emergency Management Chief, Pittsburgh District with Armstrong County/Parks Township

Discussion

Capt. Molloy & Jeff Hawk

Closing Comments

Col. Short

Our Commitment

The safety and welfare of the public and the workers is our number one priority.

We are focused on safety, not production.

We will continue to keep the public informed of ongoing monitoring, site work and preparations for remediation.

We have put together a team of experts from multiple agencies to ensure the safe and effective remediation of the site.

Incident Response Coordination

The Corps' Emergency Management Office has conducted numerous meetings with Parks Township and Armstrong County Emergency response officials, including “911” Center personnel. The goal of these coordination efforts is to ensure a clear, consistent, and coordinated response capability to situations arising at the SLDA site.

The safety of the community, workers and the environment is paramount with all SLDA activities. Our primary focus is public safety throughout the remediation of the site.

Below is an illustration showing the general emergency response notification process in place for the SLDA project. Initial response appropriately resides within the first responders. This response structure is similar to all incident command systems and familiar to all engaged responders. Extensive coordination continues to ensure that all parties are familiar with each other, the site, and infrastructure associated with the site.

Emergency Response Matrix

