



US Army Corps
of Engineers

Formerly Utilized Sites Remedial Action Program (FUSRAP) Iowa Army Ammunition Plant (IAAAP)

Remediation

Contact:

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Location: The Iowa Army Ammunition Plant (IAAAP) is an active, government-owned, contractor-operated facility under the Joint Munitions Command. IAAAP occupies approximately 19,100 acres south of Middletown, Iowa, in Des Moines County.

Description: From 1947 to 1975, the Atomic Energy Commission (AEC) was a tenant on 1,630 acres of the plant and conducted weapons assembly and testing operations. As a result of past AEC activities, various wastes, including explosive- contaminated wastewaters and solids, plus radioactive depleted uranium (DU) wastes, permeated soil and groundwater at the site. IAAAP was added to the Superfund National Priority List (NPL) in 1990.

In 2006, the U.S. Army Corps of Engineers (USACE) executed a Federal Facilities Agreement (FFA) with the U.S. Environmental Protection Agency (EPA) Region 7, the Department of Energy (DOE), and the Iowa Department of Natural Resources (IDNR) to ensure all environmental impacts from past AEC activities were thoroughly investigated and appropriate remedial action taken as necessary to protect the public health, welfare, and the environment. Army Environmental Command is conducting response actions at IAAAP under its Installation Restoration Program (IRP) to address contamination from past activities other than AEC. The IRP is one of four programs established under the Defense Environmental Restoration Program (DERP). Formerly Utilized Sites Remedial Action Program (FUSRAP) coordination with these programs is sometimes necessary. FUSRAP is addressing areas affected by AEC operations under two separate Records of Decision (ROD). The Army Operable Unit (OU)-1 Soils ROD (August 1998), is used to address AEC-contaminated soil at Line 1 and the West Burn Pads Area South of the Road (WBPS). The FUSRAP OU-8 ROD (September 2011) addresses radioactive contamination at the Firing Sites Area (FSA) [five subareas], Yards C, G, and L, Warehouse 3-01, and within Line 1 structures.

Status: OU-1: Remediation at the WBPS is complete and a Remedial Action Closeout Report (RACR) was signed March 26, 2020. Remediation at Line 1 temporarily stopped in 2013 after all accessible contaminated soils were remediated. Some formerly inaccessible contaminated soils are now accessible following an extensive IAAAP/AO (American Ordnance) demolition program.

OU-8: Remediation within Line 1 Structures was completed in 2015 allowing the buildings to be returned to the Army for beneficial use. A RACR was signed August 26, 2020. Remediation at the FSA began in April 2014. Firing Sites (FS) 1-2, 3-4-5, 9-10-11-12, and 14 have been remediated.

Because of the extended period for remediation, Five-Year Reviews (FYRs) have occurred in accordance with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). FYR reviews are conducted to ensure that human health and the environment are being protected by the response action being implemented. The second FYR is due March 2024.

Importance: The EPA Region 7 is the lead regulator for the IAAAP FUSRAP sites. USACE also works directly with the Iowa Department of Natural Resources (IDNR), plant staff, U.S. Army Environmental Command (USAEC), and the Department of Energy's Office of Legacy Management (DOE-LM). All this coordination helps to execute the approved ROD alternative allowing for protection of human health and the environment while minimizing adverse effects on installation operations.

Authority: The authority to investigate and remediate FUSRAP sites was transferred from DOE to USACE under the 1998 E&WDAA (Public Law 105-62).

Schedule: FUSRAP remediation at IAAAP is projected to be complete in 2026, with turnover to DOE-LM for long-term management in 2028.



Figure 1: Processing Soil at FS-12

Activities for FY24: Conclude the investigation at Firing Site 6 and Line 1 buildings recently demolished. Following this, a remediation contract will be awarded to complete the removal of accessible contaminated soil.

Activities after FY24: Complete the necessary remediation at Line 1 and Firing Site 6; prepare the post remediation documentation, and initiate transfer of the FUSRAP sites to the Army and the DOE-LM for long-term management.

Congressional Interest: Senate: Grassley and Ernst (IA)
House: Miller-Meeks (IA-1)

Financial:
FY24 Presidents Budget: \$1,750,000
Total Federal funding to date: \$114,500,000