

# The Maywood Project Site



F U S R A P U P D A T E

## US Army Corps of Engineers.

NEW YORK DISTRICT

Formerly Utilized Sites Remedial Action Program (FUSRAP)

[www.fusrapmaywood.com](http://www.fusrapmaywood.com)

*Protecting Human Health, Public Safety and the Environment*

## Maywood Site Progress Update

### Recovery Act Funds Speed Cleanup



The FUSRAP Maywood Site was fortunate to receive \$54 million under the American Recovery and Reinvestment Act of 2009 (the Recovery Act). All of this funding has now been used to great effect to advance environmental cleanup of the site.

The first funding distribution was received in June 2009 and the balance in several increments since that time. The additional funding allowed for cleanup of several project sites that would otherwise have been performed later as annual funding from Congress became available. These sites were also some of the most challenging due to depth of excavation and associated water management issues, contamination levels and other engineering, construction and safety considerations.

Recovery Act funds were used to complete soil remediation at the following locations. Excavated soil volumes are also shown:

- ✓ 100 West Hunter Avenue, Maywood – Burial Pit 1:  
13,462 cubic yards
- ✓ 100 West Hunter Avenue, Maywood – Burial Pit 2:  
4,880 cubic yards
- ✓ 100 West Hunter Avenue, Maywood – Areas 13, 15 & 18:  
3,818 cubic yards
- ✓ 151 Maywood Avenue, Maywood – Area 5: 4 cubic yards
- ✓ 205 Maywood Avenue, Maywood: 803 cubic yards
- ✓ 111 Essex Street, Maywood (see photos on the right):  
19,557 cubic yards
- ✓ New York, Susquehanna & Western Railway – Lodi Branch,  
Maywood: 2,001 cubic yards

The total volume of contaminated soil excavated at all Recovery Act-funded locations at the Maywood Site was 44,525, or enough to fill about 660 gondola-type rail cars used for transporting bulk materials such as soil or coal.



Preparing Coles Brook for installation of a temporary culvert pipe. The pipe was used to reroute Coles Brook to prevent water flowing into soil excavations.



Installation of the temporary culvert pipe in Coles Brook.



Coles Brook and surrounding wetlands restored to their natural state. The remainder of this commercial property (not pictured) is now back in productive use by its owner.

## Other Site Progress



Clean backfill grading at the Maywood Interim Storage Site. Contaminated soil excavations in this area went as deep as 15 feet. The new loading platform and rail spur will be built along the chain link fence in the upper portion of the photo.

Environmental cleanup of the government-owned Maywood Interim Storage Site (MISS) has been progressing as well. As of early July 2012, nearly 62,000 cubic yards of contaminated soil have been excavated from areas along the northern and western borders of the property. This effort has largely been in preparation for construction later this year of a new railcar loading platform and rail spur along the existing New York, Western & Susquehanna railroad line north of the site. Once the new rail platform is operational, the current railcar loading area to the

south will be taken out of service to allow for removal of contaminated soil there. These efforts are also part of a larger strategy to coordinate remedial activities with plans being developed by Bergen County to realign New Jersey Route 17 as it passes through Maywood and Rochelle Park. As presently designed, the realignment would cross the western edge of the MISS property. The Army Corps is working diligently to remediate those areas potentially impacted by the highway construction before that work begins.

## Contract Transition

The Army Corps is preparing to award a new contract for continued environmental remediation services at the FUSRAP Maywood Site. The Corps' current contract with Shaw Environmental, Inc. is set to expire in December 2013 or earlier depending on funding availability. A request for proposals on the follow-on contract was issued by the Corps on March 22, 2012 and several proposals were received by the June 8 deadline. The Corps is currently conducting a rigorous review of the proposal packages and expects to award the contract before the end of 2012.

In preparation for the award, plans to ensure a smooth transition between contractors are being implemented at the site. Chief among them is the temporary creation of a larger than usual soil stockpile at the MISS. The stockpile is the central storage location for all contaminated soil and debris excavated at the Maywood Site. These materials serve as the supply for regular rail shipments to offsite licensed disposal facilities in Utah and Idaho. Over the

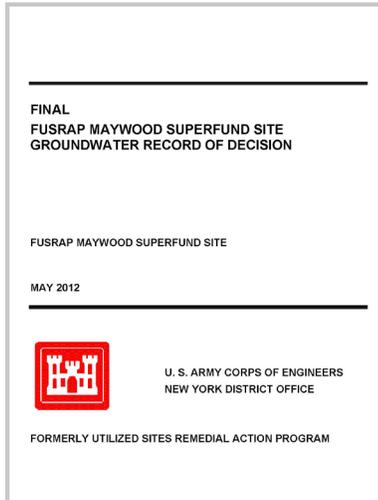
years, project practice has been to maintain about 5,000 cubic yards of stockpiled material at a given time. The larger stockpile is designed to accommodate a steady supply of up to 10,000 cubic yards, as excavated soil is added and stockpiled soil is loaded for shipment. This will provide the new contractor with sufficient material to work with as they familiarize themselves with the rail loading operation and the excavation operations that feed the stockpile. Current safety practices including water misting and calcium chloride applications for dust suppression and perimeter air monitoring will be expanded to account for the increased soil volume. It is estimated that the increased stockpile plan will remain in place for about a year after which the pile will gradually be reduced to its former size.



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## Groundwater Program Update

### Final Decision Document Released



The Groundwater Record of Decision is available at [www.fusrapmaywood.com](http://www.fusrapmaywood.com) and at the FUSRAP Public Information Center.

and the final remedy that was selected. It was developed by the U.S. Army Corps of Engineers in consultation with the U.S. Environmental Protection Agency, Region 2 and the New Jersey Department of Environmental Protection, and formally approved by EPA, the lead regulatory agency for the Maywood Site. **The ROD and the file of supporting documents considered in the decision selection (known as the groundwater Administrative Record) are available online at [www.fusrapmaywood.com](http://www.fusrapmaywood.com) and at the FUSRAP Public Information Center in Maywood (see page 4).**

The major components of the groundwater cleanup plan include:

- Removal and off-site disposal of non-radiological contaminated soil on the MISS, including pond sludge.
- Monitored Natural Attenuation (MNA) of lithium and benzene in a cross-section of the groundwater, and MNA of arsenic in shallow bedrock groundwater. Natural attenuation is the combination of physical, chemical, and biological processes that result in reasonably predictable reductions in contaminant levels over time. MNA refers to a formal program for

The final cleanup plan for groundwater contamination associated with the FUSRAP Maywood Superfund Site was signed on July 5, 2012. The plan, known as the Record of Decision (ROD), formally presents the various cleanup options that were considered

tracking the progress and effectiveness of these natural processes.

- If required, in-place groundwater treatment of arsenic in the upper aquifer.
- Land use control (LUC) components that will include use restrictions on site groundwater. LUCs will be established as appropriate to limit potential future on site and downstream human exposure to groundwater contaminants until target cleanup goals are achieved. Downgradient off-site use of contaminated groundwater will be controlled by well restrictions in designated groundwater Classification Exception Areas in accordance with State of New Jersey regulations. In addition, other restrictions have or will be implemented where contaminated soils or potential impacts to contaminated groundwater may occur (e.g., notifications to local utilities, government authorities and the public, and periodic property inspections to monitor changes in land use).
- Monitoring to evaluate the performance of the in-place treatment and natural attenuation of lithium, benzene, and arsenic in groundwater. Long-term monitoring will be implemented to ensure effectiveness of the remedy until target cleanup goals has been reached. Based on computer models, the time frame for compliance has been estimated at 280 years.
- Additional environmental monitoring as appropriate to ensure effectiveness of the remedy.

The groundwater remedy will be considered complete and be discontinued when: (1) non radiological source soils that cause groundwater contamination above cleanup levels are removed on the MISS, and (2) monitoring indicates that contaminants of concern are at or below cleanup levels on the MISS and at off-site groundwater monitoring well locations, as measured by standard compliance procedures.

## The Maywood Project Site

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By postal mail or fax to:

By email to [william.kollar@shawgrp.com](mailto:william.kollar@shawgrp.com)

### FUSRAP Public Information Center

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Fri. 9 a.m. – 3 p.m.

Tel. 201-843-7466

Fax 201-843-7560

After hours calls will be returned  
the next business day.

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**FUSRAP**  
Maywood Superfund Site

Welcome to WISDom, the Web-based Information Sharing Domain for the Formerly Utilized Sites Remedial Action Program (FUSRAP) at the Maywood Chemical Company Superfund Site. WISDom was developed to encourage community participation in the ongoing cleanup of the FUSRAP Maywood Chemical Company Superfund Site. The web-site provides access to the latest available online version of the Administrative Record of site documents, facts about the site's history and current cleanup activities, information on how you as an interested citizen may get involved, and links to related web-sites that may be of interest.

**Administrative Record**   **Project Information**   **Community Participation**   **Related Web Sites**

Find us online at [www.fusrapmaywood.com](http://www.fusrapmaywood.com).

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