

**Short-Term Response Plan for the  
Former Geneva Foundry Site  
Off-site Air Deposition Area  
Geneva, New York**

**Site Number C835027A**

**August 2017**

**Prepared for:**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION**

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## **Introduction**

This short-term response plan has been developed for residential and commercial properties located within the off-site air deposition area of the Former Geneva Foundry site (the site) defined in the Record of Decision, in the city of Geneva, New York (NYSDEC 2017). The New York State Department of Environmental Conservation (NYSDEC) is implementing a multi-year remedial action in accordance with the Record of Decision. This short-term response plan presents methods to temporarily mitigate potential exposure to soils identified for remediation and impacted by lead and arsenic associated with past air deposition from the site for properties pending remediation. The short-term mitigation methods are intended to provide cover to exposed surface soils.

## **Access to Properties**

Work will be conducted only at properties within the defined off-site air deposition area identified as requiring remediation and where written access permission has been granted. At properties within the defined off-site air deposition area that were sampled by NYSDEC in 2017, access permission has already been granted. The owners of these properties have received correspondence from NYSDEC and the need for short-term mitigation measures at these properties will be evaluated if requested by the owners.

Owners of properties within the defined off-site air deposition area that were sampled by NYSDEC prior to 2017 and will be included in a future phase of remediation, have not provided access for the current remedial action nor received any direct correspondence from NYSDEC. Therefore, these property owners will be contacted to discuss any concerns related to the need for short-term mitigation measures.

## **Short-Term Mitigation Methods**

### **Lawn and Yard Areas**

For generally flat lawn and yard areas, clean, tested topsoil and sod will be installed to limit potential exposure to exposed surface soils. At the property owner's request, shredded hardwood mulch or crushed stone may also be used, depending on the use of the subject yard area. To accommodate the installation of sod, some existing grass cover and/or soil may require removal to accommodate 2 to 3 inches of topsoil and the thickness of the sod pad.

### **Driveways and Parking Areas**

For driveways and parking areas, crushed stone will be installed to limit potential exposure to exposed surface soils. Soil will be excavated to a depth of at least 3 inches to accommodate the placement of crushed stone. The type of stone and compaction requirements will be in accordance with the specifications for gravel driveways in the Remedial Construction Work Plan (EEEEPC 2017).

### **Garden Beds**

For planting beds where native soil has not been previously replaced or covered, mulch or topsoil will be used to limit potential exposure to exposed surface soils. The selection of the material will depend on the use of the planting bed and the property owner's request.

## **Sloped Areas**

For sloping areas along an embankment, shredded hardwood mulch or crushed stone will be installed to limit potential exposure to exposed surface soils. A geotextile fabric will be installed under the materials to provide support. The geotextile fabric will be placed on the slope in areas where needed to support the cover and shall be anchored along the slope. At least 3 inches of mulch or crushed stone will be placed over the fabric as a physical protective layer and to stabilize the slope. If needed, as determined by the Project Engineer, temporary erosion and sedimentation control measures will be installed prior to beginning the work in each area. Temporary erosion and sedimentation control measures will be removed at the end of the work in each area.

## **General Procedures and Health and Safety Requirements**

For each cover material type used, the total thickness (e.g., topsoil plus sod) will be at least 3 inches. All soil and other materials that are removed to accommodate the proper placement of cover materials will be disposed of in accordance with the Remedial Construction Work Plan (EEEEPC 2017) and approved project-specific waste disposal practices. All cover material that is subject to testing requirements in accordance with the NYSDEC Division of Environmental Remediation's guidance (e.g., topsoil and sod) shall meet 6 NYCRR Part 375-6 residential use soil cleanup objectives (NYSDEC 2010).

The Project Engineer and Contractor shall follow their respective site-specific health and safety plans during the work.

## **Inspections of Completed Work**

Following the implementation of the short-term mitigation measures by the Contractor, the Project Engineer will provide quarterly visual inspections to document the condition of the cover materials and determine if any areas require maintenance or additional cover to prevent direct exposure with native surface soil.

## **References**

Ecology and Environment Engineering, P.C. (EEEEPC). 2017. *Remedial Construction Work Plan, Former Geneva Foundry Site, Operable Unit 3, Geneva, New York, Site Number C835027A*. June.

New York State Department of Environmental Conservation (NYSDEC). 2017. *Record of Decision for Former Geneva Foundry Site, Environmental Restoration Project, Operable Units 1, 2, and 3, Geneva, Ontario County*. January.

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