

**Municipal Infrastructure Protection
Plan for Remediation of the Former
Geneva Foundry Site, Operable
Unit #3, Geneva, New York**

Site Number C835027A

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Prepared for:

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

This municipal infrastructure protection and restoration plan has been developed for remedial construction activities associated with the offsite air deposition area (Operable Unit 3) of the Former Geneva Foundry site (the site), in the city of Geneva, New York. The primary purpose of this plan is to mitigate potential damage to city- owned infrastructure during the course of remedial activities. This plan incorporates information obtained from recent review of city of Geneva Code, which serves to protect public rights-of-way, infrastructure, and city residents from property damage.

Discussions with city of Geneva (city) representatives in February 2017 indicated that the primary concerns regarding city infrastructure is the passage of heavy trucks over city-operated roads, some of which contain aging, shallow subsurface water infrastructure, and the potential for damage to road surfaces, water lines, and sewers. This plan identifies general means for determining existing conditions, protecting infrastructure during remedial activities, and observing, maintaining, and monitoring conditions.

Municipal infrastructure protection measures incorporated into this plan are:

- Pre- and post-construction documentation of infrastructure conditions;
- Selecting haul routes that limit truck traffic on city roads and avoiding city roads where there is an anticipated increase in the risk of damage, to the extent practicable;

Infrastructure Condition Surveys

Pre-construction infrastructure condition documentation will be performed along proposed truck routes on city-operated roads prior to the start of remedial activities. Infrastructure condition documentation will include the following:

- Review of available utility maps, utility mark outs, and other available utility location information provided by utility owners.
- Photographic and/or video documentation of features and appurtenances within the rights-of-way along the proposed truck routes, from the inside (residential) edges of sidewalks on both sides of the road. This will include, but not be limited to, sidewalks, roads, curbs, grass medians, lamp posts, hydrants, pavement, manhole covers, storm grates, and utility poles.
- Video documentation of subsurface sewer pipe infrastructure (gravity-fed sewer mains, manholes, and catch basins) conditions, where accessible. Invert depths below grade will be noted where possible.

Infrastructure condition documentation will be reviewed to identify visible deficiencies, movement, deformation, cracking, etc. The need for protection or avoidance of specific locations during the course of remedial construction will be discussed with the Department of Public Work's (DPW) Roads, Grounds, and Sewer Supervisor (Supervisor). Protection for sensitive areas such as a shallow water or sewer line crossing the road may be provided using road plates or other suitable methods approved by the DPW Supervisor.

Following the completion of each phase of remedial construction, post-construction conditions, using the same procedures described above, will be documented along truck routes used during the work. The photographic and video documentation will be reviewed to identify condition changes that may have resulted from remedial construction activities.

Vehicle Weight Restrictions and Traffic Laws

Construction vehicles operated by NYSDEC's contractors will obey applicable traffic laws including speed limits, and parking. Should a construction vehicle need to be parked temporarily in an area otherwise designated as no parking for the safe and successful completion of remedial work, permission will be sought from city law enforcement.

The city of Geneva has placed restrictions on specific city-roads on which trucks, tractors, and tractor trailers with a total gross weight exceeding 5 ton may not travel and operate, with several exceptions (City of Geneva Code § 335-28. Truck route system). Vehicles not exempt from this ordinance may exceed this limit if otherwise approved by the city.

Anticipated Trucking Routes

Remediation activities will occur within the designated OU3 boundary within the defined City limits. In addition, contaminated soil will be stockpiled at a staging area located at Lehigh Avenue and Avenue F. City roads anticipated to have truck travel exceeding 5 tons during remedial activities that are not specifically exempt truck routes per City Code § 335-28 include:

Andes Avenue	Lafayette Avenue
Avenue F	Lehigh Avenue
Center Street	Lewis Street
Clinton Street	Middle Street
East Lewis Street	North Genesee Street
Gates Avenue	North Street
Genesee Park Place	Pepsi Lane
Genesee Street	Railroad Place
Geneva Street	State Street
Goodelle Terrace	Tillman Street
Jackson Street	Toledo Street
John Street	Wadsworth Street
Herbert Street	

Truck weights to be used for hauling excavated soils and fill materials to and from the site during remediation are anticipated to range from 11 tons (22,000 lbs) or less, to 35 tons (70,000 lbs). Pick-up trucks towing dump trailers or small equipment will have a total weight of 11 tons or less. Fully loaded tri-axle dump trucks to be used to move contaminated soil from the Lehigh Avenue staging area for disposal may weigh up to 35 tons. A trucking subcontractor will be used for hauling materials. Trucks will arrive and depart the site daily.

Field office trailers and small equipment will be staged at State Street west of Center Street (approximate address 57 State Street). A second staging area will be located on Lehigh Avenue at Avenue F (approximate address 160 Lehigh Avenue) and include material stockpiles and larger equipment storage. Trucks entering and departing staging areas and remedial parcels will use state- and county-operated roads as much as possible. In many cases, trucks will be directly loaded at a property for off-site disposal. Where that is not possible or practical, materials will be brought to the Lehigh Avenue staging area for temporary stockpiling prior to off-site disposal.