

Global Landfill

Old Bridge Township, Middlesex County

May 2010 Fact Sheet

Background

The Global Landfill Site is approximately 57.5 acres in size. The main section of the landfill consists of a mound ranging from 5 to 15 feet above mean sea level (MSL) at its base to approximately 90 feet MSL at the crest. Access to the Site is via an unpaved access road located off Westminster Boulevard to the northwest of the Site.

The northeastern property line is also the municipal boundary between Old Bridge Township and the Borough of Sayreville. The Site is bordered by wetlands to the northeast, southeast, and southwest, in the drainage basin of Cheesequake Creek. Cheesequake Creek is located approximately 900 feet southeast. Immediately to the northwest, the Site is bordered by a former sand borrow pit. An active Williams gas pipeline is located between the site and the former sand borrow pit.

Residential areas of Old Bridge Township and the Borough of Sayreville are north and west-northwest of the Site, respectively, and include several apartment complexes, as well as single-family homes, located off of Westminster Boulevard and Ernston Road. The apartments are approximately 900 to 2400 feet from the Site, with the intervening area consisting of the borrow pit or a wooded area. The nearest single-family homes are located in Sayreville, approximately 200 feet north of the Site.

Global Landfill Reclaiming Corporation (GLRC) operated the landfill from approximately 1968 to 1984, when the southeastern slope failed creating a fissure approximately 60 feet wide, 600 feet long and 40 feet deep. The slope failure was attributed to rapid filling of waste followed by periods of heavy rain and unusually high tides. Since April 27, 1984, when the NJDEP ordered the disposal operations to cease, the landfill has remained inactive, but has been the subject of various investigations to evaluate the geotechnical properties of the subsurface soils and the nature and extent of contamination. The landfill was closed with a thin soil cover; however, waste is exposed in areas of the Site. The site was placed on the National Priorities List in 1989 because of the presence of contaminated leachate and the discovery of buried drums containing hazardous waste. Since the 1990s, DEP and EPA have been conducting pollution containment activities, as well as soil, water and wetlands monitoring. Studies have shown that shallow ground water beneath the Global Landfill is contaminated with volatile and semi-volatile organic compounds, pesticides and metals. There are no public wells in the vicinity of the landfill.

Current Status

A 100% Design Report was completed by Golder Associates, on behalf of the Global PRP group, pursuant to the requirements set forth in the Amended Consent Decree with the State of New Jersey Department of Environmental Protection (Amended Consent Decree). The proposed Remedial Action construction for the Global landfill site, is described in the 100 % Design Report, including construction drawings and specifications, which was approved by the NJDEP and the United States Environmental Protection Agency (USEPA).

In order to construct the Remedial Action components, approximately 250,000 cubic yards (cy) of imported Fill Material will be needed. The imported Fill will be used for landfill capping and construction of stormwater, gas and leachate management features. Fill materials will be used to shape the landfill surfaces and provide a final vegetated cover soil that will be incorporated into the multilayer caps on the slopes and crowns areas. Some Fill material will also be used to construct access roads and berms for surface water management features and future operation and maintenance of the cap, gas and leachate management systems.

In total, approximately 150, 000 cubic yards of material will be stockpiled at the site beginning this spring, in advance of full Remedial Action construction. Heavy trucks will be seen entering and exiting the site for several months, due to the large volume of Fill material needed. It is anticipated that 100 to 200 truckloads of Fill material will be delivered on a daily basis. Fill delivery and stockpiling will likely continue once the full Remedial Action construction begins later this year.

An early component of remedy construction that will also occur this summer will include a 550-ft long landfill gas migration control trench needed in advance of capping the landfill with a low permeability geomembrane under the vegetated soil cover. This trench will be constructed near the toe of the landfill mound around the northern end of the landfill. This effort will be completed concurrently with the stockpiling activities described above.

While these activities are underway, dust suppression measures will be implemented. Air-monitoring stations will be established to measure and adjust dust control measures to comply with OSHA and other site-specific standards.

Fill material delivery and construction activities will be restricted to 7:00 a.m. to 6:00 p.m, Monday through Friday.

Future Actions

Full landfill capping construction activities are scheduled to begin in late summer/early fall 2010. These activities include the construction of approximately 58-acres of engineered landfill cap, construction of leachate collection and holding system, surface water management system, landfill gas management system and other site improvements. Remediation also includes removal of small area of marsh sediments previously contaminated by a leachate seep and restoration of the contaminated area. Wetlands impacted by the cap construction are being mitigated by improvements to an existing wetland in an area near the landfill. Following construction, groundwater monitoring and ecological monitoring in the adjacent marsh will continue to track the environmental improvements that will be achieved by the construction.

Prior to the commencement of the full Remedial Action construction a fact sheet detailing those activities will be completed and available for distribution.

For more information on the Global Landfill Site visit the EPA Region 2 website at, <http://www.epa.gov/region02/superfund/npl/globalsanitary/index.html>.

For more information about the remedial activities associated with the Global Landfill, please contact:

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