



TOWN OF HUNTINGTON

FRANK P. PETRONE, *Supervisor*

ENVIRONMENTAL WASTE MANAGEMENT

April 5, 2012

Ms. Cynthia Whitfield P.E.
Environmental Engineer II
NYS Dept. of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A Section B., 11th Floor
625 Broadway
Albany, New York 12233-7015



**Re: Huntington/East Northport Landfill; NYSDEC Site #1-52-040;
Environmental Monitoring Report**

Dear Ms. Whitfield,

As required by the Record of Decision for the above referenced site, transmitted herewith please find copies of the "Landfill Gas and Control System Monitoring Report" for the East Northport Landfill for the month of March 2012.

Please do not hesitate to call me if you have any questions or comments regarding these documents.

Sincerely,

Neal Sheehan,
Director Environmental Waste Management

RL:rl

Enclosed: 1.) Landfill Gas and Control System Monitoring Report, March 2012.

Cc: file copy (w/ encl.'s)
M. Laux, Deputy Director, DEWM, TOH (w/o encl.'s)
S. H. Rahman, NYSDEC (w/ encl.'s)
Thomas Chambers (w encl's)

**Landfill Gas and Control System Monitoring
Town of Huntington East Northport Landfill
East Northport, New York
March, 2012**

Prepared for:

**Town of Huntington Department of Environmental Waste Management
100 Main Street
Huntington, New York 11743**

Prepared by:

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705 Bedford Ave., Suite 2B
Bellmore, New York 11710**

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**Landfill Gas and Control System Monitoring
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East Northport, New York
March, 2012**

Introduction

This report presents the results of March, 2012 landfill gas and control system monitoring activities performed at the Town of Huntington East Northport Landfill, as stipulated by the New York State Department of Environmental Conservation.

The primary landfill gas migration control system consists of thirty active landfill gas control wells connected - via a single header pipe forming a complete loop around the 44 acre East Northport Landfill - to one blower station. Landfill gas monitoring wells (consisting of 3-4 probes screened from approximately 5-70 feet below grade), situated outside of the aforementioned header pipe, provide a means to verify the control system's efficacy. Separate landfill gas control and monitoring systems are located at adjacent Animal Control and Resource Recovery Facilities.

Figure 1 illustrates the landfill area and pertinent components of the landfill gas monitoring and control system. The scope-of-work completed (per our agreement with the Town of Huntington Department of Environmental Waste Management dated October 20, 2011) precedes a summary of results. A discussion of methane monitoring data - with an emphasis on trends and occurrence - and the system's physical and operating condition follows.

Scope-of-Work

The scope-of-work includes performance of the following on a monthly basis:

- 1) Monitoring of all probes in 41 landfill monitoring wells and up to 5 probes around the Town Animal Control Facility for methane gas and gas pressure.
- 2) Monitoring of 30 methane control wells and blower station for temperature, flow rate, vacuum, methane and oxygen (balance of the control system to be checked and adjustment to wells and to blower intake made, if necessary).