

**Operation, Maintenance and Monitoring Report  
October 2005**

**NOW Corporation Site  
Site 3-14-008**

**Work Assignment No.  
D003821-29**

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

**Earth Tech Northeast, Inc.  
40 British American Boulevard  
Latham, New York 12110**

December 19, 2005

Mr. Carl Hoffman, P.E.  
NYSDEC Division of Environmental Remediation  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7013

**Re: NOW Corporation - Site #3-14-008**  
**Monthly Summary Report – “October” 2005**

Dear Mr. Hoffman:

Enclosed is a monthly summary report on the operation, monitoring and maintenance (OM&M) of the remedial system at the NOW Corporation site in the Town of Clinton, New York. This report describes the OM&M of the soil vapor extraction (SVE) system and the groundwater pump-and-treat (P&T) system for a 26-day period (**October 7 – November 2, 2005**).

With the exceptions noted below, the P&T and SVE systems were online and operational throughout the reporting period. Approximately 462,800 gallons of water were treated during the period. Discharge from the treatment system averaged approximately 17,800 gallons per day (gpd). During the prior reporting period, the average discharge was 6,600 gpd.

As of the last day of the reporting period, a total of 48,214,700 gallons of groundwater had been recovered and treated by the system since it became operational in February 1998.

Table 1 summarizes influent and effluent analytical data for water samples collected on October 19, 2005. There were no exceedances of effluent limitations. Table 2 summarizes the operation and maintenance data recorded on the last day of the reporting period, while Table 3 summarizes monitoring well water-level data collected on the sampling date. Table 4 summarizes the SVE system air analytical data, as well as the analytical results from a sample of the air-stripper stack emissions (sample PAS). Table 5 presents groundwater analytical results from a monitoring well sampling event conducted on August 25 (for most wells), and October 19, 2005 (for wells that were dry in August). A copy of the three laboratory data reports is included in this report.

Earth Tech made two site visits during the reporting period to conduct the required system inspections, perform scheduled and/or unscheduled maintenance, make monitoring-well water-level measurements, conduct monthly sampling, and complete the annual groundwater sampling event. Details follow:

October 19<sup>th</sup> - Routine bi-weekly system inspection, monthly sampling, monitoring-well sampling (MW-6S, 7S, and 7D) and groundwater-level measurements. Technicians changed out the effluent pump and installed the spare pump (the pump was shutting off mid-cycle). Techs cleaned the effluent flow meter, and changed the oil in the vapor blower motor. Techs noted the worsening condition of the leaking motor seals.

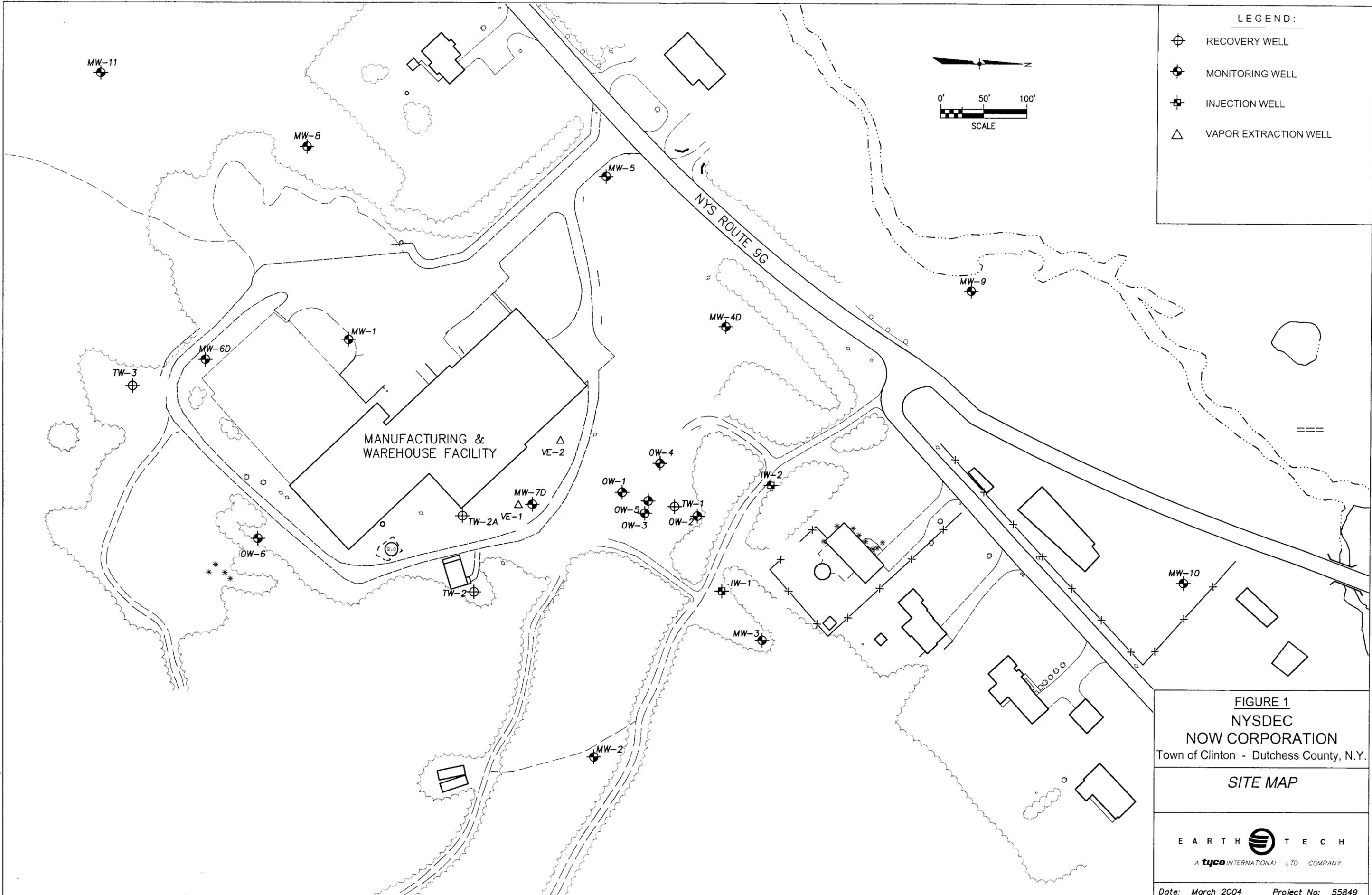
November 2<sup>nd</sup> - Routine bi-weekly system inspection and monitoring-well water-level measurements. Techs disassembled, cleaned and reassembled the air stripper – it was excessively plugged with scaly material. Techs



**FIGURE and TABLES**

FILE NAME: 55849\_Base2.dwg

PLOT DATE: 10/03



LEGEND:	
	RECOVERY WELL
	MONITORING WELL
	INJECTION WELL
	VAPOR EXTRACTION WELL

**FIGURE 1**  
**NYSDEC**  
**NOW CORPORATION**  
Town of Clinton - Dutchess County, N.Y.

*SITE MAP*



Date: March 2004 Project No: 55849



















**INFLUENT & EFFLUENT WATER  
ANALYTICAL REPORT  
(plus MW-6S, 7S, 7D)**





















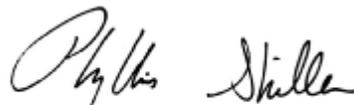


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



**Phyllis Shiller, Laboratory Director**

**November 08, 2005**



---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Handwritten signature of Phyllis Shiller.

**Phyllis Shiller, Laboratory Director**  
November 08, 2005



---

**Comments:**

ND= Not detected BDL = Below Detection Limit RL= Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



**Phyllis Shiller, Laboratory Director**  
November 08, 2005



























**INFLUENT & EFFLUENT AIR  
ANALYTICAL REPORT**













**GROUNDWATER  
ANALYTICAL REPORT  
(except MW-6S, 7S, 7D)**

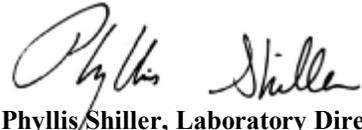


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director  
September 02, 2005



---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.



Phyllis Shiller, Laboratory Director  
September 02, 2005











---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

DUPLICATE INCLUDED

**If there are any questions regarding this data, please call Phoenix Client Services at extension 200.**

*Phyllis Shiller*

**Phyllis Shiller, Laboratory Director  
September 02, 2005**





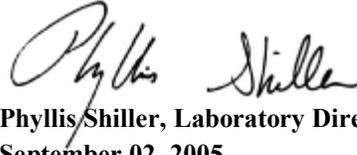


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive, flowing style.

Phyllis Shiller, Laboratory Director  
September 02, 2005

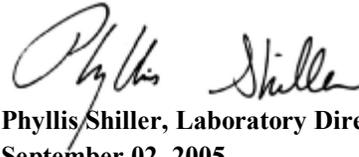


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink, appearing to read "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller, Laboratory Director  
September 02, 2005

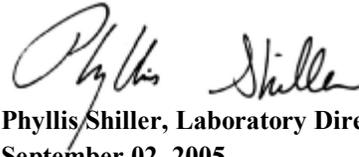


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller, Laboratory Director  
September 02, 2005

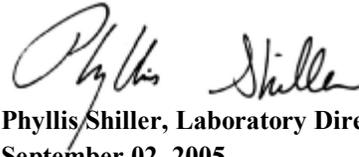


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller, Laboratory Director  
September 02, 2005

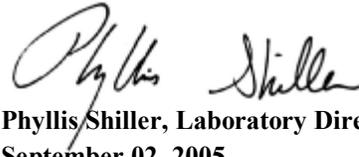


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink, appearing to read "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller, Laboratory Director  
September 02, 2005

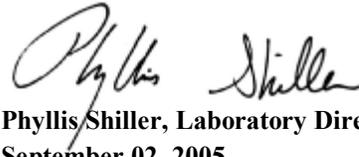


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller, Laboratory Director  
September 02, 2005

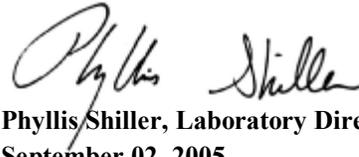


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style with a large initial "P".

Phyllis Shiller, Laboratory Director  
September 02, 2005

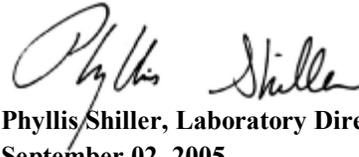


---

**Comments:**

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive, flowing style.

Phyllis Shiller, Laboratory Director  
September 02, 2005











---

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

RPD - Relative Percent Difference

LCS - Laboratory Control Sample



Phyllis Shiller, Laboratory Director

September 02, 2005

