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Mr. Glenn May, C.P.G.  
 New York State Department of Environmental Conservation  
 270 Michigan Avenue  
 Buffalo, NY 14203

NYSDEC REG 9  
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**Subject: Semiannual Monitoring Report, May 2008  
 Scajaquada Creek Site (#915141B), Buffalo, NY**

Dear Mr. May;

As required by the Operation and Maintenance (O&M) Plan, dated February 8, 2005, this report provides a semiannual summary of operations, maintenance, and field observations made by ENSR Corporation (ENSR) and National Fuel Gas (NFG) at the Scajaquada Creek site. The period discussed herein is from October 2007 through May 2008.

**Constructed Sediment Cap Observations**

During the field observations, the creek water was typically of low clarity, though no erosion of the sediment cap was evident. The armored expressway runoff channels were also all intact.

**Previous Period's DNAPL Systems Operations**

The Southern DNAPL Collection System was observed to function properly between the dates of October 29, 2007 and May 13, 2008. The system was checked by National Fuel Gas staff on January 8<sup>th</sup>, March 20<sup>th</sup> and May 8<sup>th</sup>. During these visits the automatic timer was adjusted to maximize the flow of DNAPL while minimizing the flow of groundwater, and tubing was advanced as needed to optimize the performance of the System's peristaltic pump.

The Northern DNAPL Collection System was observed to function properly between October 29, 2007 and May 8, 2008. The system was checked by National Fuel Gas staff on January 8<sup>th</sup>, March 20<sup>th</sup> and May 8<sup>th</sup>. During these visits the automatic timer was adjusted to optimize the flow of DNAPL and tubing was advanced as needed to optimize the performance of the System's peristaltic pump. During the May system check, NAPL was observed to be pumped for a continuous 15 minutes. The System was then switched to manual operations for 11.75 hours to maximize NAPL production. The Northern DNAPL Collection system was shut down from May 9<sup>th</sup> until May 13<sup>th</sup>, to allow DNAPL recharge to occur.

The volumes of DNAPL recovered this period (68 gallons in the Southern System and 15 gallons in the Northern System) are visual estimates only because the oil/water interface probe readings taken during the site visit were inconclusive. The volumes of DNAPL recovered to date appear to be approximately 1337 gallons by the Southern System and 386 gallons by the Northern System. System monitoring logs are attached.

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## Conclusions

The constructed sediment cap appears intact. The DNAPL recovery program continues and both systems appear to be functioning properly.

Please call me at (518) 951-2288 if you have any questions or comments.



Daniel Shearer, P.E.  
Project Engineer

Attachments: South DNAPL System Monitoring Log  
North DNAPL System Monitoring Log

CC: B. Sadowski – NYSDEC, Buffalo  
J. Clark, T. Alexander – NFG  
K. Hogan – PLHB&B  
J. Finn – ENSR  
File: 04870-024-750

## South DNAPL System Monitoring Log



## North DNAPL System Monitoring Log

