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New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Remedial Action, Bureau A  
625 Broadway  
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Subject:  
May 2007 Monthly Progress Report,  
Northrop Grumman Systems Corporation,  
Operable Unit 3,  
NYSDEC Site ID # 1-30-003A,  
Bethpage, New York.

Dear Steve:

In accordance with Section III of Administrative Order on Consent (AOC) Index # W1-0018-04-01, this letter reports the activities for Operable Unit 3 (OU3) performed by Northrop Grumman Systems Corporation (Northrop Grumman) during the month of May 2007; activities planned for June 2007 are also discussed. This report is the 14<sup>th</sup> OU3 monthly progress report since the AOC between Northrop Grumman and the New York State Department of Environmental Conservation (NYSDEC) was signed on June 24, 2005.

#### **OU3 Activities Conducted During May 2007**

- Prepared and submitted the April 2007 AOC Monthly Progress Report.
- Initiated support for NYSDEC public meeting, to be held in June 2007.
- Continued coordination and planning for Phase 3 Remedial Investigation (RI), including:
  - Attended Town of Oyster Bay (Town) bi-weekly meetings for soil Interim Remedial Measure (IRM)/redevelopment project. Reviewed available Town information toward overall RI and IRM planning.
  - Submitted work plan for additional soil gas point drilling and sampling west of Park.

Imagine the result

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ENVIRONMENT

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June 8, 2007

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Our ref:  
NY001464.0907.00003

- Continued coordination and planning for OU3 Interim Remedial Measures (IRMs), including:
  - Continued preliminary scoping and initiated quantitative analysis in support of Groundwater IRM.
  - Prepared and submitted work plan for groundwater and soil treatability testing toward evaluation of remedial technologies for the Groundwater IRM.
  - Assessed soil and soil gas quality data obtained west of the Park, per the Soil Gas IRM Work Plan, in planning for the Soil Gas IRM, and in support of development of work plan for additional soil gas sampling.
  - Initiated scope development of additional component of Soil Gas IRM to be located west of the Park.
  - Prepared and submitted work plan for western area pneumatic conductivity test (PCT).
  - Continued with development of 75 percent design of the Soil Gas IRM.
  - Continued bid process preparation for Soil Gas IRM.
- Conducted Phase 3 RI and IRM field activities, including:
  - Initiated soil gas point drilling and sampling west of Park, per the May 2007 work plan, with NYSDEC approval.
  - Continued monthly groundwater/perched water monitoring in piezometers and selected wells.
  - Continued drilling and groundwater sampling of off-site VPBs, per the April 2007 submittal per the Phase 3 RI Work Plan.
  - Continued drilling, installation, and development of off-site monitoring wells, per the Phase 3 RI Work Plan, as provided to NYSDEC in February 2007.
  - Conducted groundwater and soil treatability testing toward evaluation of remedial technologies for the Groundwater IRM.
- Continued RI and IRM data review/evaluation, including:
  - Per the April 2007 letter to NYSDEC, initiated preparation of on-site RI Report.
  - Continued review and validation of analytical results for samples collected.

- Continued analysis and evaluation (via EVS software and other) of soil, soil gas, CPT/MIP, and groundwater data toward development of a revised conceptual site model (CSM).
- Continued to review RI data and determine the location of data gaps.
- Continued data analysis and reduction for Soil Gas IRM PCTs.
- Continued to update draft tables and figures with latest data for RI.

**OU3 Activities Expected During June 2007**

- Prepare and submit May 2007 Monthly Progress Report.
- Continue support for NYSDEC public meeting, to be held in June 2007.
- Continue coordination and planning for Phase 3 Remedial Investigation (RI), including:
  - Planning in support of potential implementation of contingency off-site VPBs.
- Continue Phase 3 RI and IRM field activities, including:
  - Complete on-site soil gas point drilling and sampling west of Park, per the May 2007 work plan.
  - Continue monthly groundwater/perched water monitoring in piezometers and selected wells.
  - Complete drilling, installation, and development of initial group of off-site monitoring wells, per Phase 3 RI Work Plan.
  - Continue drilling and groundwater sampling of off-site VPBs, per the April 2007 submittal per the Phase 3 RI Work Plan.
  - Initiate and complete western area PCT.
- RI data review/evaluation, as follows:
  - Continue evaluation of soil, soil gas, CPT/MIP, and groundwater data toward possible revisions to the CSM, assessment of data gaps, and support of planning for IRMs.
  - Continue to validate and tabulate analytical data received from laboratory toward preparation of the on-site RI Report.
  - Continue to prepare selected tables and figures of analytical results and interpretations toward preparation of the on-site RI Report.

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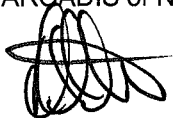
Mr. Steve Scharf  
NYSDEC  
June 8, 2007

- Conduct planning, implementation, and data review/evaluation for on-site IRMs as follows:
  - Continue data analysis/reduction from Soil Gas IRM PCTs.
  - Continue development of 75 percent design for Soil Gas IRM.
  - Continue bid process preparation for Soil Gas IRM.
  - Continue development of scope and quantitative analysis in support of Groundwater IRM.

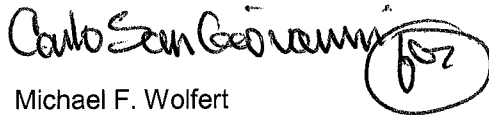
Feel free to call us if you have any questions.

Sincerely,

ARCADIS of New York, Inc.



David E. Stern  
Senior Scientist/Hydrogeologist



Michael F. Wolfert  
Project Director

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