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Subject:

September 2006 Monthly Progress Report  
Northrop Grumman Systems Corporation  
Operable Unit 3  
NYSDEC Site ID # 1-30-003A  
Bethpage, New York  
ARCADIS Project No. NY001348.0906.00003

ENVIRONMENT

Date,  
October 10, 2006

Dear Mr. Scharf:

Contact:  
Carlo San Giovanni

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 (NGC) during the month of September 2006; activities planned for October 2006 are also discussed. This report is the seventh OU3 monthly progress report since the AOC between NGC and the New York State Department of Environmental Conservation (NYSDEC) was signed on June 24, 2005.

Extension:  
631-391-5259

### **OU3 Activities Conducted During September 2006**

- Prepared and submitted the August 2006 Monthly Progress Report.
- Continued coordination and planning for Phase 2 RI, including:
  - Prepared and received NYSDEC approval of Work Plan Addendum No. 5 for the drilling/sampling of soil borings in the B-43 area.
  - Continued preparation/revision to Work Plan Addendum No. 6 to specify the location of test pits, if any, and provide procedures for constructing test pits. Work Plan Addendum was updated based on additional RI soil sample results.
  - Planning for drilling deep VP-103 off-site to delineate VOC plume to south and southeast and assess possible OU2 issues.

- Completed Phase 2 RI activities, including:
  - Completed drilling/sampling of off-site vertical profile boring (VPB) VP-100. Initiated drilling/sampling of VP-102 to the southeast of Park to delineate VOC plume to east and assess possible OU2 issues.
  - Completed confirmatory soil borings in the B-43 area.
  - ARCADIS collected groundwater samples in Monitoring Wells BCPMW-3, MW4-1 and MW4-2 to monitor VOC concentrations onsite and at site boundary, south of the Rag Pit.
  - ARCADIS collected round of water levels from all onsite monitoring wells to determine current groundwater flow direction and to calculate horizontal groundwater velocity.
- RI data review/evaluation, including:
  - Continued to prepare boring logs for completed borings.
  - Continued to review preliminary sample analytical results for completed VPBs.
  - Continued evaluation (via EVS software) of soil, soil-gas, and CPT/MIP data (including data from the B-43 area) toward development of a revised CSM that will be used to develop a soil boring program to be implemented during Phases 2A and 2B of the RI. This soil boring program would include confirmatory soil sampling, and the potential installation of piezometers on-site, as needed.
  - Continued review of analytical data to determine if data gaps exist.

### **OU3 Activities Expected During October 2006**

- Prepare and submit September 2006 Monthly Progress Report.
- Continue Phase 2 RI planning/coordination activities, including:
  - Evaluate need for additional monitoring wells and/or VPBs on- or off-site. Prepare work plan addendum specifying proposed work, as appropriate.

- Finalize and submit Work Plan Addendum No. 6 for test pits to NYSDEC for review and approval.
- Evaluate (via EVS software) soil, soil-gas, and CPT/MIP data (including data from the B-43 area) toward development of a revised CSM that will be used to develop a soil boring program to be implemented during Phases 2A and 2B of the RI.
- Continue Phase 2 RI activities, including:
  - Complete drilling/sampling of off-site VPB VP-102, and other VPBs proposed (i.e., VP-23A and VP-35) for area of Park to be redeveloped by the TOB.
  - Initiate drilling/sampling of VP-103.
  - Initiate the test pit program, assuming approval of the Work Plan Addendum is received from the NYSDEC.
- Continue RI data review/evaluation, as follows:
  - Continue to evaluate CPT/MIP, groundwater, and soil gas data, and update CMS (as necessary).
  - Continue to validate and tabulate analytical data received from laboratory.
  - Continue to identify and begin preparation of selected figures of analytical results and interpretations.
  - Continue to prepare boring logs for completed borings.
  - Continue to review analytical data to determine if data gaps exist.
  - Review B-43 Area data and prepare letter report to document the field activities and findings of the B-43 Area investigation.

Mr. Steven Scharf  
NYSDEC  
October 10, 2006

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Please contact us if you have any questions.

Sincerely,

ARCADIS G&M, Inc.

Carlo San Giovanni  
Project Manager

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