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**VIA ELECTRONIC MAIL**

April 18, 2014

Erich Weissbart, P.G.  
Land and Chemicals Division  
U.S. Environmental Protection Agency, Region III  
701 Mapes Road  
Fort Meade, MD 20755

Re: Quarterly Status Report No. 1  
Kop-Flex Voluntary Cleanup Site #31, Hanover, Maryland

Dear Erich:

WSP USA Corp., on behalf of Emerson and Kop-Flex, Inc., is submitting this progress report describing the investigation and remediation activities conducted at the Kop-Flex VCP site in Hanover, Maryland. The progress report includes a discussion of work conducted in the first quarter 2014, and the activities planned for the second quarter 2014. If you have any questions, please do not hesitate to contact us at 703-709-6500.

Sincerely yours,

A handwritten signature in black ink that reads "Robert E. Johnson". The signature is fluid and cursive, written over a light gray rectangular background.

Robert E. Johnson, PhD.  
Senior Technical Manager

JPB:rej:fmc

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cc: Mr. Derek Chase, Emerson Electric Co.  
Ms. Richelle Hanson, Maryland Department of the Environment

# Progress Report No. 1

Kop-Flex VCP Site #31

January 2014 through March 2014

**Site Name:** Kop-Flex Facility  
**Site Address:** 7565 Harmans Road  
Hanover, Maryland 21076

**Consultant:** WSP USA Corp.  
**Address:** 11190 Sunrise Valley Dr., Suite 300  
Reston, Virginia 20191  
**Phone No.:** (703) 709-6500

**Site Coordinator:** Eric Johnson  
**Alternate:** Jim Bulman

## **1.0 Onsite Activities**

### **1.1 Source Area Soil Remediation – Area 1 and Area 2**

The following activities were conducted during First Quarter 2014, pursuant to the approved *Response Action Plan (RAP) Addendum* (May 17, 2013).

- The supplemental remedial action designed to address source area soils containing chlorinated volatile organic compounds and 1,4-dioxane in Area 1 and Area 2 was completed in March 2014. All work was conducted in accordance with the procedures described in Section 4 of the May 2013 *RAP Addendum*. A total of 793 cubic yards (c.y.) of source area soil was excavated in Area 2 and 1,746 c.y. in Area 1. Both excavation areas were backfilled with clean fill and the surface was restored to grade.
- As part of the source removal activities in Area 1, the dual phase vapor extraction wells were abandoned by over drilling the well casings and then backfilling the boreholes with bentonite grout. Also, the treatment equipment for the dual phase vapor extraction system was decommissioned.
- The aboveground components of the UVB well system in Areas 2 and 4 were dismantled and removed from the site in February 2014.

### **1.2 Groundwater**

The following activities were conducted during First Quarter 2014 related to onsite groundwater.

- An aquifer test scope of work (SOW) was submitted to the Maryland Department of the Environment (MDE) and U.S. Environmental Protection Agency (EPA), Region III on March 12, 2014. The SOW detailed the design, performance and data evaluation associated with aquifer testing to be conducted for purposes of determining site-specific hydraulic properties of the shallow and deep aquifers.
- Drilling and construction of pumping and observation wells in both aquifers were started the week of March 31<sup>st</sup>.

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## **2.0 Off-Property Area**

### **2.1 Water Main Extension**

- Final engineering design documents for the water line extension along Twin Oaks Road and connecting four homes to the water line were approved by Anne Arundel County in December 2013
- Upon approval of the design documents, WSP pursued the Public Works Agreement for installing the water line with Anne Arundel County. A draft proposed Agreement was submitted to the County January 2014 and WSP signed the final Agreement on March 31, 2014.

### **2.2 Offsite Monitoring Wells**

- WSP continued working with Anne Arundel County Department of Public Works on obtaining the necessary permits to allow for the installation of the proposed monitoring wells in public road right-of-ways (ROWs) south (downgradient) of the Kop-Flex site. All required documentation and fees for the issuance of the permits, including License Agreement, easement plats and legal descriptions for the well locations, Contractor Registration Form, insurance documentation, Traffic Control Plan, and public notifications have been submitted the County for final review and approval.

### **2.3 Residential Well Sampling**

- During the week of February 10, 2014 water samples were collected at six residences with potable wells that were identified by MDE for continued monitoring.
- Letters presenting the sampling results were transmitted to the homeowners on March 13, 2014. No VOCs were detected in any of the six samples above applicable groundwater comparative criteria.

## **3.0 Planned Activities for Next Reporting Period (April 2014 – June 2014)**

### **3.1 Onsite Activities**

- Abandon the four UVB wells in the area east of the manufacturing building (Areas 2 and 4) in accordance with the Maryland well standards.
- Complete the performance of the shallow and deep zone aquifer tests, and evaluation of the test data to determine the aquifer hydraulic properties.
- Conduct the first 2014 semi-annual sampling event for the existing monitoring wells (including the deep well on the adjacent Williams-Scotsman property) in mid to late June.

### **3.2 Off-Property Area**

- Conduct the second sampling event of the six residences designated by MDE. After receiving the laboratory data, letters transmitting the results will be sent to the homeowners.
- Installation of the public water supply line along Twin Oaks Road.
- Connect four homes to the newly installed water line.
- Install the groundwater monitoring wells at the proposed downgradient locations following issuance of the ROW permits by Anne Arundel County.

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## **4.0 Key Personnel Changes**

- In March 2014, Eric Johnson, Senior Technical Manager at WSP, replaced Keith Green as the Project Manager