

POLREP 60
NanoChemonics Site
4 Magnox Drive
Pulaski, Pulaski County, Virginia 24301

Lat: N 37.04718
Long: W 80.79146

ATTN: RRC
VADEM -Tolbert
VADEQ - Lohman
EPA - G. Heston

I. SITUATION (as of November 7, 2013)
EVENT: Site Cleanup Operations

- A. Refer to previous Polreps for site background information.
- B. STNP, the owner of the NanoChemonics property, is conducting a response action and cleanup of the Site under an EPA order. The Administrative Settlement and Order was signed on April 8, 2011, and response actions continue. In brief, the response action involves the removal of hazardous substances from the Site and included the removal of such substances found in the debris created during demolition of the buildings at the Site. The action also includes the management of wash waters and storm waters at the Site that migrate towards lagoons and then into nearby Peak Creek.
- C. The response actions related to the lagoons and drying bed began on September 25, 2013.

II. ACTIONS

- A. STNP contractor ARG continued pumping sludge and water from Lagoon 3 into the drying bed using a mud pump and a diaphragm pump. ARG continued excavating sludge from Lagoon 3 using the excavator and placing it into the drying bed. ARG also began pumping water from lagoon 4 into the drying bed.
- B. On November 5, 2013, ARG pumped water from tanks located on the "Creek" side of the Site (Tanks 9, 10, 327, and 404) to Lagoon 4 via the storm water drainage system. Only residual water and sludge remained in the tanks.
- C. On November 6, 2013, ARG brought a subcontracted vacuum (vac) truck and crew (Garco) to the Site. On November 6-7, Garco conducted the following activities using the vac truck: cleaned the remaining water and residuals from Tanks 9 and 10; removed water from a 500-gallon flocc tank near the MO pad; dry-vacuumed low-lying areas of the MO pad; cleaned out the main "Creek" side and Copperas area sumps; and cleaned out the sump near the foot bridge located on the lagoon side. Garco leased a mini-excavator and began excavating an approximately 1-ft. thick

- sludge layer in the storm water conveyance trench between the lagoon side sump and Lagoon 4.
- D. EPA has established a public repository of site documents at the local library in Pulaski. EPA will also provide public information updates for the site on the EPA site website at: www.epaossc.org/nanochemonics.

III. FUTURE ACTIONS

- A. Continue response actions in the lagoon area including removal of sludge from lagoons into the drying bed.
- B. Complete response activities identified on July 27, 2012 inspection list. The remaining item to be completed on the checklist is cleaning ferrous sulfate (aka copperas) from the above-ground storage tank (AST) remaining on the CAB tank containment pad.
- C. Collect additional storm water samples from the Site to assist in evaluating completion of the response action involving the former facility buildings.
- D. Complete cleaning Tanks 327 and 404.
- E. Complete cleaning of storm water conveyance trenches and piping.
- F. EPA will continue providing on-site oversight of remediation activities conducted by STNP and inspect the Site against the required schedule.

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