

POLREP 58
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 October 24, 2013)

EVENT: Site Cleanup Operations/Lagoon Closure.

- 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 to initiate final activities involving the lagoons and drying bed began on September 25, 2013.

II. ACTIONS

- A. On September 18, 2013, STNP contractor ARG picked up a more powerful mud pump to remove sludge from the lagoons. A 75 horsepower unit and associated piping and hoses were set up to enable pumping of sludge from Lagoon 3 into the drying bed. ARG began pumping water and sludge from Lagoon 3 to the drying bed on October 21, 2013. Most of the surface water in Lagoon 3 and a substantial amount of sludge were pumped into the drying bed during a 3-day time period.
- B. On October 22, 2013, VADEQ officials came to the Site to observe cleanup operations. VADEQ officials included representatives from Solid Waste, the Water Permitting group, and the Regional TMDL coordinator. VADEQ conducted a site walk through with STNP contractor MAA and the EPA START contractor. The status of the Peak Creek TMDL study and the status of the lagoons after closure activities are completed were also discussed during the site visit.
- C. ARG began excavating and hauling dried sludge from Lagoons 2 and 3 to the drying bed on October 24, 2013. However, this activity was discontinued after hauling two

truckloads due to mechanical problems with the excavator. ARG and START demobilized for the weekend on October 24, 2013.

- 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 lagoon area activities/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. Remove and dispose of hazardous substances found during inspection of the 5,000-square ft. building and the two small building located on the lagoon side of the Site.
- D. Collect additional storm water samples to assist in evaluating completion of the response action involving the former facility buildings.
- E. Transfer remaining water stored in Tanks 9, 10, 327, and 404 to Lagoon 4.
- F. Complete cleaning Tanks 9, 10, 327, and 404 by removing residual water and sludges.
- G. 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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