

POLREP 65  
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 (December 21, 2013 to February 8, 2014)

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. Response activities associated with the lagoon area continued intermittently in January and February 2014 as numerous delays were experienced due to inclement weather. STNP contractor ARG was onsite conducting response activities including the removal of sludge and placement into the drying bed on the following dates: January 9; January 13-16; January 31 – February 1; and February 3 – 5, 2014. Activities completed by STNP contractor ARG during the reporting period included: pumping water and excavating sludge from Lagoon 3 and transferring to the drying bed; pumping water and excavating sludge from Lagoon 4 and transferring to the drying bed; cleaning out the conveyance trench between Lagoon 4 and Lagoon 2; and cleaning out the conveyance trench between Lagoon 2 and Lagoon 1. ARG conducted some additional removal of residuals/sludge from Lagoon 4 on February 3-5, 2014 following a site visit by the EPA contractor. ARG took the long-reach excavator back across Peak Creek and transported it off site on February 5th. STNP contractor MAA reported that closure of the four lagoons was complete pending final

- inspection by the EPA OSC. The drying bed remains to be closed after allowing sufficient time for the sludge placed in it during lagoon closure to dry.
- B. 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.epaosc.org/nanochemonics](http://www.epaosc.org/nanochemonics).

### III. FUTURE ACTIONS

- A. EPA will inspect the lagoon area to verify that removal of sludge from the lagoons into the drying bed has been completed.
- B. Complete response activities identified on July 27, 2012 inspection list. The remaining items 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 and removal of the inert debris piles from the 'creek-side' of the Site.
- C. Final closure of the drying bed will commence later this year.
- D. EPA will continue providing on-site oversight of remediation activities conducted by STNP and inspect the Site against the required schedule.

---

Michael Towle  
On-Scene Coordinator  
EPA Region III  
Philadelphia, PA