Gravatt, Dan

From: Tapia, Cecilia
Sent: Friday, January 17, 2014 12:15 PM
To: Field, Jeff; Gravatt, Dan; Jefferson, Matthew; Hammerschmidt, Ron
Subject: OSC summary for week of Jan 13, 2014
Attachments: P1000439.JPG; P1000444.JPG

From: Johnson, James
Sent: Friday, January 17, 2014 11:37 AM
To: Tapia, Cecilia
Cc: Hayes, Scott
Subject:

Cecilia, a quick synopsis and photos to show the gamma survey technique.

OSC Johnson mobilized to the site and met with Dan Feezor, Project Manager, Feezor Engineering, Inc (FEI), Paul Westvold (FEI), Paul Rosasco, President, Engineering Management Support, Inc (EMSI) and Jeremy Leckone, Safety Officer and drill rig operator (Frontz Drilling, Wooster, Ohio) and discussed the objectives and work plan for the RIM area. Dan explained how Frontz Drilling was going to be utilized at the site and the work schedule for the 10 day work period. The objective is to complete the Phase 1B investigation. Phase 1B will include drilling of soil borings, performance of down hole gamma logging of the soil borings, collection of samples of the specific material responsible for the elevated gamma readings observed in the Phase 1 GCPT soundings drilled in this area, visual inspection and description of the material associated with the elevated gamma readings, and submission of samples to an offsite analytical laboratory for radioisotope analyses.

Photo 439 – The photo was taken inside the FEI trailer. The photo shows the 1 x 1 inch down-hole gamma detector, housing, measuring tape, and carry-all. This will be used to assess the radiation measurements down-hole after the core hole is drilled and the samples brought to the surface. FEI is using this equipment to confirm the absence / presence of RIM in the locations selected for the potential isolation/thermal barrier alignment. The survey will also gather the geotechnical data required for the design and placement of the barrier.

Photo 444 – The photo was taken inside the RIM area, near the GCPT reference area 14-2, the view is facing south. The photo shows the 1 x 1 inch down-hole gamma detector, housing, measuring tape, and carry-all. The technician is taking measurement every six inches, for 1 minute counts, along the entire length hole (as much as 100 feet) in order to get a radiation profile (log) of the core sample hole. FEI is using this equipment to confirm the absence / presence of RIM in the locations selected for the potential isolation/thermal barrier alignment. The survey will also gather the geotechnical data required for the design and placement of the barrier.

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