TA 16

Goering, Darlene, NMENV

From: Goering, Darlene, NMENV
Sent: Tuesday, August 22, 2006 12:34 PM
To: 'Melanee Shurter'
Subject: RE: AOC 16-024(v)

Melanee,

As mentioned during our phone conversation, I concur with the proposed path forward.

Darlene

-----Original Message-----
From: Melanee Shurter [mailto:mshurter@lanl.gov]
Sent: Tuesday, August 22, 2006 11:50 AM
To: Goering, Darlene, NMENV
Subject: FW: AOC 16-024(v)

Hi Darlene,

Below are two messages that describe the situation in more detail that we talked about this morning on the phone (ACA Work Plan Execution for AOC 16-024(v)). Based on our conversation, I appreciate your confirmation of our path forward as outlined by Jeff Sanders below.

Please contact me or Jeff Sanders if you have any concerns or questions.

Thank you,
Melanee Shurter,
Project Leader, EP-ERSS
LANL

>X-Sieve: CMU Sieve 2.2
>From: "Jeff Sanders" <sander@lanl.gov>
>To: "'Melanee Shurter'" <mshurter@lanl.gov>
>Subject: FW: AOC 16-024(v)
>Date: Tue, 22 Aug 2006 11:01:38 -0600
>X-Mailer: Microsoft Office Outlook, Build 11.0.6353
>Thread-Index: AcbFdVvh/TtAHhzWSMekaL5o7ILdmwAjrA7A
>X-PMX-Version: 4.7.1.128075
>
> Darlene - as a follow up to our conversation regarding the sampling
>strategy at AOC 16-024(v), this is what we discussed and what was agreed to:
>
>The work plan titled "Accelerated Corrective Action Work Plan for Area
>of Concern 16-024(v) and Solid Waste Management Units 16-026(r) and
>16-031(f) at Technical Area 16" proposed soil sampling at four
>locations (one at each of the former building corners), and at 2 depths
>(6-12" and the soil/tuff contact). Based on site data collected at SWMU
>16-015(b), located a few hundred yards to the SE, the depth to bedrock
>was assumed to be at approximately the same depth (around 6 feet).
>Last week, an excavation at
>16-024(v) was conducted to a depth of 7.5 feet. The excavation measures
>9 ft by 9 ft. Field screening has not indicated the presence of HE
>(using a spot test and an immunoassay test) or for volatile organics using a PID
>Analytical samples have been collected from the 6"-12" interval.
>
>
>Based on recent information obtained on the geology of the area we have
>discovered that our excavation at 16-024(v) is actually located within
>a graben associated with the Pajarito Fault zone. The estimated depth
>to tuff in the area is approximately 30 to 50 ft bgs. I have talked
>with Doug Volkman and Jamie Gardner (both LANL employees) who were

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>involved with the
>2001 seismic survey of the fault zone and they confirmed that our site
>is located within this graben. I have attached a pdf of the report
>that discusses the geology of the area. Page 26 and 27 describes the
>faulted area where 16-024(v) is located (the site is located about 200
>ft west of the "former steam plant" that is referenced throughout the report).
>
>Our revised sample strategy simply involves allowing our second sample
>set to be collected from 8-9 ft bgs instead of at the soil/tuff
>contact, which could be very deep. The rationale for this decision was
>based on the fact that field screening has not shown any indication of
>contamination thus far and the realization that tuff is much deeper than we had
anticipated.
>
>If analytical sample results indicate the presence of contaminants,
>LANL is prepared to conduct further site characterization at the site.
>
>This deviation from the work plan will be documented in the forthcoming
>Remedy Completion Report associated with this AOC.
>
>If you have any questions, please call me or Melanee. Thanks, Jeff
>
>
>-----Original Message-----
>From: Melanee Shurter [mailto:mshurter@lanl.gov]
>Sent: Monday, August 21, 2006 3:59 PM
>To: sander@lanl.gov
>Subject: Fwd: AOC 16-024(v)
>
>Jeff,
>
>FYI and further data collection from EES to prepare for NMED discussion.
>
>Melanee
>
> >X-Sieve: CMU Sieve 2.2
> >Subject: AOC 16-024(v)
> >Date: Mon, 21 Aug 2006 13:44:51 -0500
> >X-MS-Has-Attach:
> >X-MS-TNEF-Correlator:
> >Thread-Topic: AOC 16-024(v)
> >thread-index: AcbFUGfa/e5F8r/xTZO/MvLpxlfmyw==
> >From: "Vickie Maranville" <vickie.maranville@mkmengineers.com>
> >To: "Melanee" <mshurter@lanl.gov>
> >CC: "Chris Edgmon" <chris.edgmon@mkmengineers.com>,
> >   "Corey Woods" <corey.woods@mkmengineers.com>,
> >   "William Warren" <william.warren@mkmengineers.com>
> >X-Proofpoint-Spam: 0
> >X-PMX-Version: 4.7.1.128075
> >
> >Melanee:
> >
> >MKM has excavated AOC 16-024(v) to an approximate depth of 7.5'
> >below ground surface (bgs). We have collected four (4) soil samples
> >from 6-12" bgs, and one (1) duplicate for off-site analytical.
> >Analytical results are pending. The PID readings in the field have
> >been 0.0 ppmv. We also collected four (4) HE field screening samples
> >from 6-12" bgs. We have no detect for HE in the samples collected,
> >and there is no visual indication that HE is present. Based on
> >regional information, we believe the soil tuff interface to be in
> >excess of 25' bgs. We would like to propose to terminate the
> >excavation at 8' bgs, collect a sample from each corner and the
> >center of the excavation for off-site analytical and conduct HE field
> >testing and PID screening from each of the locations. We propose to
> >terminate excavation activities at 8' bgs followed by backfilling the
> >excavation with clean imported fill. Since we have had no detects on
> >the PID or from the HE field screening we believe additional