

LANL TA-21 '07

chamberlain, kathryn, NMENV

From: Mark S. Thacker [mthacker@lanl.gov]
Sent: Tuesday, April 17, 2007 8:24 AM
To: chamberlain, kathryn, NMENV
Cc: 'Roy Bohn'; 'Day, Emily'; 'Duane A. Parsons'; 'Darrel Blain'; 'Allan Chaloupka'; 'Bill Criswell'
Subject: Collection of shallow subsurface samples under structures at DP Aggregate Corrective Actions Sites

Katie, this e-mail is to confirm the conversation we had yesterday afternoon, 4-16-07, concerning the collection of shallow subsurface samples under structures to be removed during the implementation of field activities for the Corrective Action Sites, as outlined in the NMED approved Investigation Work Plan (IWP) for the Delta Prime Aggregate Area at Technical Area 21. Our subcontractor will be utilizing an auger attachment on the backhoe to collect samples from the desired depths, typically 5 and 10 feet below the base of each structure. At the depth specified in the approved IWP a hand auger will be utilized to collect the samples for analysis. During the auger drilling to the specified depth field screening of the cuttings for radionuclides and organics will be performed to determine if additional sampling is required. The deeper boreholes (21 to 76 feet) will require the mobilization of a hollow stem auger drilling rig to reach the specified sampling interval. Additionally, if contamination is detected utilizing field screening methods at any of the SWMUs and sampling below approximately 12 feet is required, a hollow stem auger drilling rig will be utilized to collect samples to determine the depth of contamination.

All sampling location outlined the IWP will be surveyed using global positioning satellite, consistent with the Consent Order. If you have any questions please give me a call.

Mark

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