

Roberts, Kathryn, NMENV

From: Roberts, Kathryn, NMENV
Sent: Wednesday, January 16, 2008 9:08 AM
To: 'Mark S. Thacker'
Cc: 'Allan Chaloupka'; 'Day, Emily'; 'AntoinetteToya'; 'Darryl Blain'; duanep@lanl.gov; bill criswell; Cobrain, Dave, NMENV
Subject: RE:



Mark,

NMED is in receipt of the extended suite sampling for SWMUs 21-024(k) and the second round of extended suite sampling for SWMU 21-027(a). NMED has reviewed this data and determined that no further analysis of PCBs, dioxins/furans, and high explosives is required for SWMU 21-024(k).

NMED concurs with the proposed additional extended suite sampling locations and depths for SWMU 21-027(a). Therefore, the Permittees must obtain samples at the following locations and depths for analysis of dioxins and furans:

BH-1: 1.0 to 2.0 ft and 6.0 to 7.0 ft
BH-2: 2.0 to 3.0 ft
Location 4: 1.0 to 2.0 ft
Location 10: 0.0 to 0.5 ft and 2.0 to 3.0 ft
Location 13: 0.0 to 0.5 ft and 2.0 to 3.0 ft

As stated by the Permittees, if the additional sampling does not determine the nature and extent of dioxin/furan contamination at SWMU 21-027(a), a second phase of work will be required to achieve that objective.

Please let me know if you have any questions.

From: Mark S. Thacker [mailto:mthacker@lanl.gov]
Sent: Wednesday, January 16, 2008 8:26 AM
To: Roberts, Kathryn, NMENV
Cc: 'Allan Chaloupka'; 'Day, Emily'; 'AntoinetteToya'; 'Darryl Blain'; duanep@lanl.gov; bill criswell
Subject:

Katie, I faxed the extended suite data for 21-024(k) and the second extended suite sample data for 21-027(a) to you late yesterday afternoon. As stated in you December 12 e-mail

"Mark,

NMED has received the high explosives, dioxin/furan, and PCB sampling results for SWMU 21-027(a). NMED has reviewed this data and will require dioxin/furan sampling at all locations at SWMU 21-027(a). Further sampling of PCBs and high explosives is not required. It is NMED's understanding that another sample from the "impacted" portion of the SWMU was selected for extended suite sampling. Once the data from that sample is received, NMED may modify the additional sampling requirements for SWMU 21-027(a).

Please let me know if you have any questions.

Katie"

The second extended suite sample data also detected dioxin/furan but at a lower concentration. LANL requests NMED consider the following proposal for additional dioxin/furan sampling at 21-027(a).

SWMU 21-027(a) proposed dioxin/furan sampling:

BH-1, ponding area: two depths, 1.0 to 2.0 ft and 6.0 to 7.0 ft

BH-2, end of outfall pipe: second depth (already analyzed first depth for dioxin/furan, first extended suite sample), 2.0 to 3.0 ft

Location 4, first depth (already analyzed second depth for dioxin/furan, second extended suite sample), 1.0 to 2.0 ft

Location 10, outfall: two depths, 0.0 to 0.5 ft and 2.0 to 3.0 ft

Location 13, outfall: two depths, 0.0 to 0.5 ft and 2.0 to 3.0 ft

During the corrective action the outfall pipe was determined to be longer than shown on the drawing and "daylighted" at location 8, so location 8 was not collected but BH-2 and locations 6 and 7 were taken, along with locations 9 - 14. The outfall drainage is fairly well developed and water appears to have channeled directly down from the outfall pipe and did not migrate to the east and west where the step out samples are located. A review of the data from other SWMUs also indicate a lack of contamination at the nature and extent of dioxin/furan will be determined without the need to sample all locations at the SWMU for dioxin/furan. If this additional sampling does not determine the nature and extent of dioxin/furan contamination at this SWMU additional samples can be collected during the next phase of nature and extent sampling.

Mark

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