

Cobrain, Dave, NMENV

From: Smith, Michael [MSmith@TechLawInc.com]
Sent: Thursday, July 02, 2009 6:01 AM
To: Smith, Michael; Kay, Rebecca, NMENV
Cc: Bearzi, James, NMENV; Pullen, Steve, NMENV; Kieling, John, NMENV; Lindsay Lovejoy; lindsayl@cybermesa.com; Cobrain, Dave, NMENV
Subject: RE: TA-16 furan results

Attachments: Extent for 35 lb burns.jpg



Extent for 35 lb
burns.jpg (9 ...

James,

I will attempt to email the two figures separately. Please find attached a figure illustrating the extent of air modeling results problematic for furans when burning 35 lbs of HE contaminated waste per burn event.

See general comments on the figures below.

Best,
Mike
(678)765-0815

From: Smith, Michael
Sent: Thu 7/2/2009 12:53 AM
To: Kay, Rebecca, NMENV
Cc: Bearzi, James, NMENV; Pullen, Steve, NMENV; Kieling, John, NMENV; Lindsay Lovejoy; lindsayl@cybermesa.com; Cobrain, Dave, NMENV
Subject: RE: TA-16 furan results

James,

Attached are two files illustrating the extent of air modeling results for propane assisted burns at TA-16-388 that are problematic for furans. One file illustrates extent for burns of 35 lbs of HE Contaminated Waste while the other provides extent for burns of 250 lbs of HE Contaminated Waste.

Note the dots circled in red locate the overall maximum impact points for burns at TA-16-388 (dot closest to the flash pad at 388) and TA-16-399 (dot just southeast of the burn tray at 399). It appears that the dot representing the maximum impact location for TA-16-399 corresponds to LANL's sampling point 6. The maximum impact location for TA-16-388 does not appear to correspond to a sampling point.

Note the extent for 250 lbs corresponds to the full modeling grid. For 35 lb burns, the eastern boundary is still defined by the eastern edge of the modeling grid but the extent is reduced to the north, south, and west.

The scale on these hand-drawn masterpieces is 1 inch = 500 feet. Thus, the eastern edge of the modeling grid is approximately 1250 feet from TA-16-388.

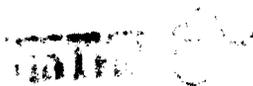
I would not locate a background sample within the red squares. I believe LANL's background sample (sampling point 3) is located in the southwest corner of the box defining the extent for 35 lb burn events.

Let me know if you'd like to discuss further or would prefer a more "formal" presentation of this information.

Best,



Mike



From: Kay, Rebecca, NMENV [mailto:Rebecca.Kay@state.nm.us]
Sent: Tue 6/30/2009 10:44 AM
To: Smith, Michael
Cc: Bearzi, James, NMENV; Pullen, Steve, NMENV; Kieling, John, NMENV; Lindsay Lovejoy; lindsayl@cybermesa.com; Cobrain, Dave, NMENV
Subject: TA-16 furan results

Mike-

Attached are LANL's furan sampling and analysis results. Please take a look at these reports as they will be the focus of the discussion. James will be calling you at 2pm this afternoon pending he returns from Abq by 2pm. If you have any questions, please feel free to call (note below my new telephone number).

Thanks,

Rebecca

Rebecca Kay

NMED- Hazardous Waste Bureau

1170 North Solano, Suite M

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