

Los Alamos / Pueblo Canyons

TAOD

Goering, Darlene, NMENV

From: Goering, Darlene, NMENV **Sent:** Wed 9/14/2005 8:26 AM
To: Danny Katzman
Cc:
Subject: RE: Los Alamos/Pueblo Supplemental Report Outline-Request for NMED Review
Attachments:

Danny,

During our meeting on the LAPSAR NOD, you agreed to include radiological storm water data (specific comment #1). Also, Section V of the outline should include a brief discussion of any changes in LANL's recommendations for the site. Otherwise, the outline looks fine.

Darlene Goering
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From: Danny Katzman [mailto:katzman@lanl.gov]
Sent: Tue 9/13/2005 3:35 PM
To: Goering, Darlene, NMENV
Subject: Los Alamos/Pueblo Supplemental Report Outline-Request for NMED Review

Darlene- Please find attached the proposed outline for the supplemental report being submitted in response to NMED's "Approval as Modified" for the Los Alamos and Pueblo Canyons Investigation Report (letter dated May 11, 2005). The supplemental report is scheduled for submittal to the NMED by December 15, 2005. The outline is being submitted in accordance with the requirement in the Consent Order for NMED review and approval.

Please provide your response in writing.

Thanks, and feel free to contact me if you have any questions.

- Danny

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Proposed Outline for the Supplemental Report to the Los Alamos/Pueblo Canyons Investigation Report

- I. INTRODUCTION-** how this supplemental report addresses NOD comments (March 14, 2005) and conditional approval letter requirements (May 11, 2005)
 - a. Collection of supplemental dioxin/furan data to respond to comment 3 of the NOD and the comment on sampling for dioxins and furans in the approval letter
 - b. Revisions to human health risk assessment to address NMED comments about the inclusion of infrequently detected COPCs, and the calculation of UCLs for COPCs. Both the screening assessment and the baseline risk assessment will be revised to address comments 2, 4, 5, and 8 in the NOD as well as the comments in the approval letter regarding the application of the frequency of detection guideline. Recalculation of UCLs and documentation of UCL calculations will be provided in response to comment 14 in the NOD. The revised assessment will also incorporate updated human health screening levels developed since preparation of the original report.
 - c. Crosswalk of modified materials (text, tables) with elements in original report
 - d. Additional storm water monitoring data will be provided in response to comment 1 in the NOD.
- II. SUPPLEMENTAL DIOXIN/FURAN DATA**
 - a. Sample collection methods and maps showing sample locations
 - b. Analytical results
 - c. Discussion of data relative to SWMU 73-002
 - d. Calculation of hazard quotient for human health for dioxins and furans using the 2,3,7,8-TCDD TEQ method. The dioxin/furan HQ results for human health will be included as part of the revised Tier 1 screen presented in section III.
 - e. Calculation of hazard quotients for ecological risk to birds and mammals for dioxin and furan based on 2,3,7,8-TCDD TEC method for wildlife. This section will present results of the hazard quotient screening for ecological receptors.
 - f. Uncertainty in ecological risk screening for dioxins and furans
- III. REVISED HUMAN-HEALTH SCREENING**
 - a. Revised identification of COPCs (tables appear in section VII)
 - b. Discussion of revised Tier 1 COPC selection-sediment (tables appear in section VII)
 - c. Discussion of revised Tier 1 COPC selection-water (tables appear in section VII)
- IV. REVISED BASELINE HUMAN-HEALTH RISK ASSESSMENT**
 - a. Revised UCLs and documentation of UCL calculations based on NMED comments
 - b. New COPCs carried through Tier 1 to baseline risk assessment

c. Uncertainty in HH risk assessment

V. SUMMARY OF CHANGES TO RISK ASSESSMENT CONCLUSIONS

a. Identification of any new COPCs which contribute significantly (HQ>=0.1) to risk

b. Recalculated RME risks for baseline scenarios

c. New reaches with risk above 10E-05 criterion

VI. STORM-WATER DATA

a. Summary of storm water data

b. Results of screening storm water data against surface water standards

VII. REVISED TABLES.

a. The set of revised tables will include some of the summary tables from the main text of the original report, COPC determination tables for sediment and water from Appendix E of the original report; and human health screening tables from Appendix E of the original report (incorporating updates to human health screening values issued by NMED after the original report was completed)