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Mr. David Cobrain
New Mexico Environment Department (NMED)
Hazardous Waste Bureau
2905 Rodeo Park Dr. E/Bldg 1
Santa Fe, NM 87505

RE: Draft Technical Review of the *Technical Approach for Calculating Recreational Soil Screening Levels for Chemicals, Revision 4*, Los Alamos National Laboratory (LANL), dated April, 2015.

Dear Mr. Cobrain:

This letter serves as a deliverable and summarizes the draft technical review of LANL's *Technical Approach for Calculating Recreational Soil Screening Levels for Chemicals, Revision 4* dated April, 2015 (Revision 4).

The text of Revision 4 is similar to that of the *Technical Approach for Calculating Recreational Soil Screening Levels for Chemicals, Revision 3* (Revision 3). However, Revision 4 incorporates the changes in exposure parameter values recommended in the 2014 revision of NMED's *Risk Assessment Guidance for Site Investigations and Remediation* and used in the Environmental Protection Agency's (EPA) latest version of the Regional Screening Levels (RSLs). Spot checks were performed on the concentrations and SSLs presented in Appendix C of Revision 4 and in each case, the values calculated by LANL were verified. Thus, it appears the revised parameter values, as well as toxicity values that have changed since the issuance of Revision 3 have been successfully incorporated into the calculation of the recreational soil screening levels (SSLs) presented in Appendix C. Only one minor issue was identified during the technical review of Revision 4:

- Section 3.4, SSL Equations and Parameter Values, page 7, 1st sentence, indicates that the exposure equations for calculating the recreational SSLs "are provided in Equations 1 to 5." Page 8 presents three equations to calculate the recreational SSLs for noncarcinogenic effects and three equations to calculate the SSLs for carcinogenic effects. Thus, it appears that the quoted statement in the first sentence of Section 3.4 should be revised to read "are provided in Equations 1 to 6."

If you have any questions, please contact me at (801) 451-2864 or via email at paigewalton@msn.com.

Thank you,

Paige Walton
AQS Senior Scientist and Program Manager

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