



General

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November 7, 2005

Mr. David Cobrain  
State of New Mexico Environment Department  
Hazardous Waste Bureau  
2905 Rodeo Park Drive East  
Building One  
Santa Fe, New Mexico 87505-6303



Reference: Work Assignment No. 06110.290.0002; State of New Mexico Environment Department, Santa Fe, New Mexico; Human health and Ecological Risk Assessment Support; Evaluation of Ecorisk Database, Release 2.2, Los Alamos National Laboratory.

Dear Mr. Cobrain:

This letter serves as a deliverable for the above-referenced work assignment, which addresses the evaluation of Los Alamos National Laboratory's (LANL) Ecorisk Database, Release 2.2 (September 2005).

The ecological screening levels (ESLs) were reviewed when a change was made from Release 2.1 (December 2004) to Release 2.2 using the ECORISK.doc, the ESLs\_R2.2.xls database, and the ESL History Summary. All changes were consistent between the three documents. All explanations for the changes appear to be acceptable.

There were significant updates to Release 2.2 ESLs, consisting of new ESLs and ESL updates. New ESLs were added for specific parameters, as well as specific receptors. Many were modified due to the development of new toxicity reference values. The numerous updates to the ESLs were necessary due to changes in the EPA Eco SSL bioaccumulation data and model equations. Also, revisions to various transfer factors (TF) for soil-to-plant and soil-to-invertebrate required changes to the Data Base. Toxicity Reference Values (TRVs) were also updated and this contributed to the need to update the ESLs.

It should be noted that while reviewing the State of New Mexico's "Standards for Interstate and Intrastate Surface Water" regulations {20.6.4 NMAC}, the direct link for the regulations found on the Water Quality Control Commission (WQCC) webpage is outdated. This link provides water quality control regulations dated 2000 instead of the more recent October 2002 regulations. The WQCC may wish to update the link to provide the most recent version, thereby avoiding confusion to the public and regulated industry.

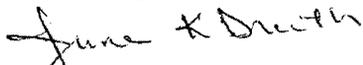
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This letter was emailed to you on November 7 , 2005 at David\_Cobrain@nmenv.state.nm.us. A hard (paper) copy of the deliverable will be sent to you via mail. If you have any questions, please call me at (303) 763-7188 or Ms. Paige Walton at (801) 451-2978.

Sincerely,



June K. Dreith  
Program Manager

cc: Paige Walton, TechLaw