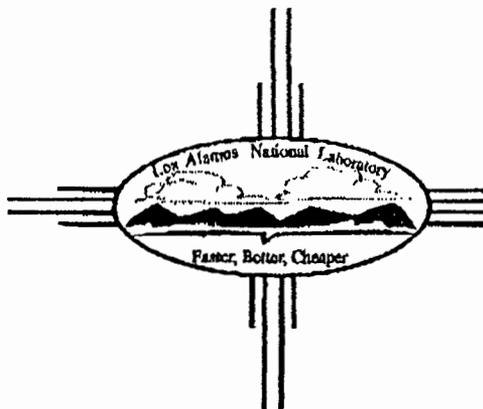


Please Circulate
Steve _____
Bob _____
Phil _____
Dale _____
Kim _____
Teri _____

9/1/96



Environmental Restoration Project

Los Alamos National Laboratory
1900 Diamond Drive, MS M992
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(505) 665-4557

Date: May 20, 1996	FAX Number:
From: Tracy Glatzmaier, LANL	505-665-4747
To: Jeff Yurk, EPA	8-1-214-665-6762
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Cy:

Number of Pages (excluding cover): 2

Comments:
Agenda and Fact Sheet for Friday's Eco Risk meeting. Call me if you have any questions.

Tracy *[Signature]*

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AGENDA
APPROACH TO ECOLOGICAL RISK ASSESSMENT

TIME: 8:00 AM

PLACE: Reynolds Auditorium
South Capitol Complex
SW corner of St. Francis and Cordova

AGENDA:

- 8:00 - 8:15 Introduction and presentation of objectives for meeting
(Tracy Glatzmaier)
- 8:15 - 9:45 Overview of Ecological Exposure Unit (EEU) approach
(Roger Ferenbaugh/Orrin Myers)
- 9:45 - 10:00 BREAK
- 10:00 - 12:00 Discussion of proposed approach
(Tracy Glatzmaier/Roger Ferenbaugh)
> Input from other agencies
> Discussion on how to integrate with HSWA Permit
> Goal - consensus on acceptability of approach to be used
- 12:00 - 1:00 LUNCH
- 1:00 - 4:30 Technical discussion of details of approach (Roger/Orrin)
(LANL, DOE/LAAO, NMED, EPA)
> Criteria for NFA based on ecological preliminary screening
> Selection of receptors
> Definition of EEUs
> Approach for assessment within EEUs

FACT SHEET FOR 5/24/96 ECOLOGICAL RISK ASSESSMENT MEETING

Background: The Los Alamos National Laboratory (LANL) Environmental Restoration (ER) Project has proposed a new approach for the ecological risk assessment process. This approach aggregates potential release sites (PRSs) into Ecological Exposure Units (EEUs), which are defined on the basis of ecological considerations. Ecological risk assessment will be performed cumulatively on the EEUs instead of on a PRS-by-PRS basis.

Goals:

- To reach agreement on the ecological risk assessment approach for the LANL ER Project.
- To reach consensus among the relevant regulatory agencies regarding implementation of the agreed-upon approach.

Issues:

- Is the proposed approach acceptable to the regulatory agencies?
- How will receptors be selected and EEUs defined?
- How will ecological risk assessment be performed within the EEUs?
- What are acceptable criteria for No Further Action (NFA)?
- Proposing NFA on PRSs based on Human Health and carrying forward EEUs.

The proposed LANL approach:

- Preliminary ecological screening assessment:
 - > Compare contaminant concentrations to background.
 - > Evaluate habitat and offsite contaminant transport.
 - > Evaluate receptor access to site or contamination transported offsite.
- Baseline ecological risk assessment:
 - > Select receptors and assessment endpoints.
 - > Define Ecological Exposure Units.
 - > Perform cumulative assessments within EEUs.
 - > Evaluate scenarios to select optimum ecological remediation approach.

Tasks:

- Perform preliminary screening assessments.
- Select receptors and define EEUs.
- Perform a "pilot study" to test out methodology.
- Perform preliminary ecological risk assessments.
 - > Estimate uncertainty.
 - > Identify data gaps.
- Develop plans to fill data gaps.
 - > Literature searches.
 - > Laboratory and/or field studies.
 - > Modeling.

Advantages of proposed LANL approach

- Scientific defensibility.
- Integration with human health risk assessment and land management.
- Flexibility to address variations from site to site and to respond to changes in planning.
- Optimization of time and resources committed to remediation.