

United States Government

Department of Energy

memorandum

Albuquerque Operations Office

OCT 13 1993

DATE:

REPLY TO: ERPO:KB:riskwkshp.mem
ATTN OF:

SUBJECT: Invitation to Attend Risk Assessment Workshop

TO: D. J. Ferguson, Physical Scientist, AAO
A. W. Kleinrath, Environmental Engineer, ER/DAO
S. C. Cheng, General Engineer, D&D/DAO
G. P. Keary, Environmental Restoration Program Manager, KCAO
J. E. Gould, Environmental Engineer, Environmental, Safety,
Health and Compliance Branch, KAO
T. J. Taylor, Environmental Restoration Program Manager, LAAO
D. S. Ingle, Environmental Restoration Program Manager, PAO

Attached is a memorandum from the Environmental Restoration/Waste Management Office of Southwestern Programs (EM-452) announcing a workshop on risk assessment. This workshop will be held in Santa Fe, NM, on November 2-3, 1993. You and anyone working on environmental restoration at your facilities are encouraged to attend. In addition, please invite any of your regulatory, tribal, and public stakeholders who may be interested in learning about basic risk assessment.

A follow-on workshop is being planned for the end of November to provide a basic understanding of risk assessment for radioactively contaminated sites. The radioactive risk assessment workshop will also be in Santa Fe, NM, and interested stakeholders should be encouraged to attend.

To register for the workshop, please call Dwight Treadwell at (615) 435-3433 or Lissa Sease at (615) 435-3440. Due to room size, the number of attendees is limited to 75. Regulatory, tribal, and public stakeholders will be given a higher priority, so please limit the attendance from your installation to those who will benefit the most from this training.



TL

Addressees

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If you have any questions, please call Kelly Bitner at FTS (505) 845-4606



Elizabeth D. Sellers
Acting Director
Environmental Restoration Project Office

Attachment

cc w/attachment:

G. Baker, Battelle Pantex
G. Clifford, M&H SM Co., Inc.
K. W. DaVee, COE
C. S. Friedman, ER/EG&G Mound
S. L. Miller, ER/EG&G Mound
R. R. Jaeger, D&D/EG&G Mound
V. Matis, D&D/EG&G Mound
E. R. Brown, AS-KCD
G. M. McCall, AS-KCD
C. A. Biedermann, MMSC
G. Grace, ITRI
B. Couch, PRC Environmental
A. J. Tiedman, ADO, MS A120, LANL
T. C. Gunderson, EM-DO, MS J591, LANL
J. P. Shipley, Jr., EE-AETO, MS F641, LANL
R. W. Vocke, EM-13, MS M992, ER/D&D, LANL
J. L. Craig, EES-14, MS J493, LANL
P. D. Farley, EES-14, MS J493, LANL
T. E. Blejwas, Org. 7500, Sandia/NM
W. B. Cox, Org. 7581, Sandia/NM
R. Fate, Org. 7585, Sandia/NM
A. T. Leo, Org. 8642, Sandia/CA
T. Harmeson, BRMD, AL
E. D. Sellers, ERPO, AL
G. J. Rael, ERPO, AL
P. T. Mann, ERPO, AL
C. W. Bethany, ERPO, AL
K. Boardman, ERPO, AL
K. A. Bitner, ERPO, AL
J. F. Levings, ERPO, AL
D. K. Madrid, ERPO, AL
V. R. Wood, ERPO, AL
J. R. Cormier, ERPO, AL

Addressees

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cc w/attachment:

P. Birks, Jacobs Engineering
B. Turner, Jacobs Engineering
B. Keshian, R. F. Weston
P. Fielding, Geotech

memorandum

DATE: October 1, 1993

REPLY TO
ATTN OF: EM-452 (E. Merrill, 3-8185)

SUBJECT: Department of Energy Basic Risk Assessment Workshop

to: Distribution

The Department of Energy (DOE) Headquarters, Office of Southwestern Area Programs, will be presenting a 2-day basic risk assessment workshop in Santa Fe, New Mexico, on November 2-3, 1993. The workshop will be designed to provide the participants with a functional understanding of the basic principles of risk assessment and risk management and will be tailored to participants from the following programs:

- Environmental Protection Agency--Region VI
- State of New Mexico Department of Environmental Regulation
- Stakeholders and Concerned Citizens Groups
- DOE Albuquerque Operations Office
- DOE Los Alamos Area Office
- Los Alamos National Laboratory Environmental Restoration Program
- Sandia National Laboratories/New Mexico Environmental Restoration Program
- Inhalation Toxicology Research Institute Environmental Restoration Program

An agenda describing the course is being developed and will be provided at a later date.

The workshop will be conducted at the Inn of Loretto, located at 211 Old Santa Fe Trail (505-988-5531). A block of rooms has been reserved at the Inn and attendees are asked to make their own arrangements for overnight accommodations. When contacting the Inn of Loretto, please mention that you will be attending the "DOE Basic Risk Assessment Workshop."

The deadline for course registration is October 27, 1993.

Should you have questions or if you would like to register for the course, please contact Dwight Treadwell at 615-435-3433 or Lissa Sease at 615-435-3440.



Ralph G. Lightner
Director
Office of Southwestern Area Programs
Environmental Restoration

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OCT 4 10 53 AM '53

Distribution:

N. Larson, EM-45
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S. Slaten, DOE/LAAO
K. Carlson, DOE/KAO
J. Gould, DOE/KAO
L. Soholt, LANL/EM-13
W. Cox, SNL-NM/Dept. 7051
A. Grace, ITRI

Duplicate

RISK ASSESSMENT WORKSHOP
Santa Fe, New Mexico
November 2 - 3, 1993
AGENDA

DAY ONE

DRAET

7:30 Registration
Coffee/danish

8:00 Welcome/Introduction

Purpose and goals for workshop
Introduction of participants/Statements of Interest
Risk Perception Survey

8:40 Introduction to Superfund Risk Assessment

Background/History
Regulatory Framework

9:25 Break

9:40 Basic Concepts in Biochemistry and Toxicology

Toxicology Concepts
Toxicity Testing

10:40 Toxicity Reference Materials

HEAST and TOXNET
ARARs

11:30 Lunch

1:00 Toxicological Responses

Non-Carcinogenic Dose Response
Development of Reference Doses

2:00 Toxicological Responses

Carcinogenic Dose Response
Development of Slope Factors, Weight of Evidence

3:00 Break

3:15 Toxicity Exercise

4:15 Discussion of Exercise

4:45 Adjourn

DRAET

DAY TWO

7:30 Coffee/danish

8:00 Exposure Assessment and Special Issues

Modeled Vs. Measured Data
Estimating Exposure, Intake in Environmental Media
Chemical Screening
Combining Pathway Intakes, Uncertainty
Importance to Risk Management Goals

10:00 Break

10:15 Baseline Risk and Cleanup Levels Exercise

11:30 Lunch

1:00 Specific Case Studies

Organic Chemicals - Toxicity and Risk
Inorganic Chemicals - Toxicity and Risk

2:30 Break

2:45 Group Risk Assessment Exercise and Discussion

4:00 Risk Communication

4:30 Closing/Workshop Evaluation

5:00 Adjourn