

August 15, 2012

PUBLIC MEETING NOTICE

MEMORANDUM TO: Christopher McKenney, Branch Chief
Performance Assessment Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

FROM: George Alexander, Systems Performance Analyst */RA/*
Performance Assessment Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

SUBJECT: NOTICE OF FORTHCOMING PUBLIC MEETING ON WORKSHOP
ON PERFORMANCE ASSESSMENTS OF NEAR SURFACE
DISPOSAL FACILITIES: FEPS ANALYSIS, SCENARIO AND
CONCEPTUAL MODEL DEVELOPMENT, AND CODE SELECTION

DATE AND TIME: Wednesday, August 29 – Thursday, August 30, 2012
Public Meeting: 8:00 a.m. to 5:00 p.m. (EST)

LOCATION: U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Auditorium
Rockville, MD 20852

PURPOSE: To facilitate communication between Federal and State agencies,
industry representatives, contractors, and members of the public on
three aspects of performance assessments of near-surface low-level
radioactive waste (LLW) disposal: (1) Feature, Events and Processes
(FEPs) analysis, (2) the development of scenarios and conceptual
models, and (3) the selection of computer codes. Information gathered
in the meeting will be used to improve guidance on performance
assessments for near surface disposal of LLW.

TYPE: This is a Category 3 Meeting. Stakeholders and other members of the
public are invited to participate by asking questions during the time
reserved for comments.

CONTACTS: George Alexander, FSME/PAB
(301) 415-6755, George.Alexander@nrc.gov
Tarsha Moon, FSME/LLW
(301) 415-6745, Tarsha.Moon@nrc.gov

WEBINAR: Interested members of the public can also participate in this meeting via webinar.

The webinar meeting registration link for Wednesday, August 29, 2012 can be found at: <https://www1.gotomeeting.com/register/937057065>

The webinar meeting registration link for Wednesday, August 30, 2012 can be found at: <https://www1.gotomeeting.com/register/156319977>

After registering, instructions for joining the webinar (including a teleconference number and pass code) will be provided via email. All participants will be in "listen-only" mode during the presentation. Participants will have a chance to pose questions either orally after the panel discussions or in writing during the webinar.

TELEPHONE: A dedicated toll-free telephone line is also available to those members of the interested public who wish to participate in this meeting remotely.

The telephone number for Wednesday, August 29, 2012 is 1-888-469-3043 and the pass code is 23678.

The telephone number for Wednesday, August 30, 2012 is 1-888-942-8392 and the pass code is 85687.

Enclosure:
Proposed Agenda

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|------|------------|----------|-----------|------------|
| OFC | DWMEP | DWMEP:LA | DWMEP:BC | DWMEP |
| NAME | GAlexander | TMoon | CMcKenney | GAlexander |
| DATE | 08/10/12 | 08/10/12 | 08/15/12 | 08/15/12 |

OFFICIAL RECORD COPY

PROPOSED AGENDA

Workshop on Performance Assessments of Near-Surface Disposal Facilities: FEPs Analysis, Scenario and Conceptual Model Development, and Code Selection

Wednesday, August 29 – Thursday, August 30, 2012
8:00 a.m. – 5:00 p.m. EST

US NRC
11545 Rockville Pike
Auditorium
Rockville, MD 20852

Wednesday, August 29

Speaker

| | | |
|----------------|------------------------------|---|
| 7:30 – 8:00 am | Registration | |
| 8:00 – 8:15 am | Facilitator Opening Comments | Bret Leslie and Elva BowdenBerry, NRC |
| 8:15 – 8:30 am | NRC Welcome and Overview | Larry Camper, NRC |

Session 1

LLW Performance Assessment: Overview, Approaches, and Context

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|------------------|--|---------------------|
| 8:30 – 9:00 am | <i>Overview of NRC Approach to PA for Shallow Land Disposal and IAEA Safety Case</i> | Boby Eid, NRC |
| 9:00 – 9:30 am | <i>International PA Approaches and Practical Considerations for Implementation</i> | Roger Seitz, SRNL |
| 9:30 – 10:00 am | <i>Assessment Context</i> | Chris McKenney, NRC |
| | -----Break----- | |
| 10:15 – 10:45 am | <i>Future, Model, and Parameter Uncertainty</i> | Matt Kozak, Intera |
| 10:45 – 12:00 pm | Panel Discussion | |

Session 2

Analysis of FEPs for Near-Surface Disposal Facilities

| | | |
|----------------|--|------------------------------------|
| 1:00 – 1:45 pm | <i>FEPs Analysis for Radioactive Waste Disposal: Rationale and Application</i> | Geoff Freeze, SNL |
| 1:45 – 2:30 pm | <i>FEPs Approach and Lessons Learned at Clive, UT</i> | John Tauxe, Neptune and Company |
| | -----Break----- | |
| 2:45 – 3:15 pm | <i>FEPs Analyses and Scenario Development for Low-Level Radioactive Waste Disposal Sites</i> | Hans Arlt, NRC |
| 3:15 – 5:00 pm | Panel Discussion | |

Session 3
Scenario and Conceptual Model Development

Thursday, August 30

Speaker

| | | |
|------------------|--|------------------------------------|
| 8:00 – 8:30 am | <i>An International Perspective on Scenario Identification and Justification</i> | Russell Walke, Quintessa |
| 8:30 – 9:00 am | <i>Conceptual Model Development: Approaches, Assumptions and Level of Detail</i> | Rodolfo Avila, Facilia |
| 9:00 – 9:30 am | <i>FEPs and Conceptual Model Updating within an Iterative PA Cycle</i> | Paul Black, Neptune and Company |
| | -----Break----- | |
| 10:00 – 12:00 pm | Panel Discussion | |

Session 4
**Code Selection and Implementation, Model Abstraction,
and Confidence Building Activities**

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|----------------|--|------------------------------|
| 1:00 – 1:30 pm | <i>Model Abstraction: Background, Approaches, and Confirmation</i> | Yakov Pachepsky, USDA-ARS |
| 1:30 – 2:00 pm | <i>Implementation of Model Abstraction for LLW Disposal</i> | Gregory Flach, SRNL |
| 2:00 – 2:30 pm | <i>Model Support for Performance Assessment</i> | David Esh, NRC |
| 2:30 – 3:00 pm | Panel Discussion | |
| | -----Break----- | |
| 3:15 – 4:45 pm | Codes Roundtable Discussion AMBER - Russell Walke, Quintessa; ASCEM - Paul Dixon, LANL; Ecolego - Rodolfo Avila, Facilia; GoldSim - Ian Miller, GoldSim Technology Group; RESRAD - Charley Yu, ANL | |
| 4:45 – 5:00 pm | Closing Remarks | |

For further information contact:

George Alexander, telephone: (301) 415-6755, e-mail: George.Alexander@nrc.gov