

BROWN TRAINING

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NOTE TO: Willard B. Brown, Acting Director
Program Management, Policy Development
and Analysis Staff
Office of Nuclear Material Safety
and Safeguards

FROM: John J. Linehan, Acting Director
Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: ASSESSMENT OF TECHNICAL TRAINING NEEDS

The Division of High-Level Waste Management (HLWM) has reviewed the list of prioritized technical training needs and resources and has the following recommendations.

High Priority

EPA Regulations

The EPA Regulations course appears to be too broad to meet the needs of the HLWM. Development of a course which focuses on the EPA regulations directly applicable to the areas of concern to HLWM would be more appropriate.

Groundwater Modeling

If a course is available with the proper content and focus, there would be an interest. It is unclear from the material provided whether such a course is currently available.

Quality Assurance (QA)

At the present time, the SAIC course appears to be sufficient for its intended purpose, which is directed towards conducting audits. However, further training for the technical staff on the fundamentals of QA would be useful.

Radiation Protection

No need has been identified for training in this area at this time.

Waste Radiological

HLWM identifies Michael Lee and Mark Delligatti as candidates for this course.

Medium Priority

Inspection, Fundamentals of

The emphasis on reactors does not appear to be a problem at this time.

Systems Engineering

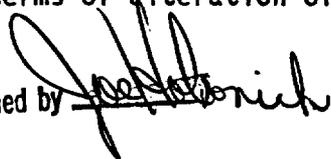
The Center for Nuclear Waste Regulatory Analyses (CNWRA) course was a sufficient introduction. The CNWRA has developed a second course the Systematic Regulatory Analysis process, which will be given to all HLWM staff.

Low Priority

Materials Strength

In order for this course to be of use to HLWM it would have to address the following questions:

- a. Waste Form - Strength of the exposed areas at the fractures.
- b. Container - Stress levels, corrosion, cracking or hydrogen embrittlement, creeping.
- c. Host Rock - The effects of fractures in terms of alteration of flow patterns.

(Original Signed by )

for

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Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management
Office of Nuclear Material Safety
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cc: J. Linehan
B.J. Youngblood

DISTRIBUTION

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* See previous concurrence

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