



We Put Science To Work

High-Level Waste Corporate Board Performance Assessment Community of Practice

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21 May 2009



Office of Waste Processing Technical Exchange

Denver, CO



Performance Assessment Community of Practice

Background

- **EM Senior Management would like to have improved consistency in the execution of the Performance Assessment* process;**
- **Originally formed a sub-committee to draft a guidance document for practitioners;**
- **The sub-committee now believes a Community of Practice having broader scope should replace it;**
- **Charter is being finalized jointly with EM-20/EM-10 under the auspices of the HLW Corporate Board.**

* Performance Assessment (PA) is used broadly to encompass assessments for LLW disposal, Tank Closure, CERCLA, NEPA, and other programs

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Rationale:

- **Reduce regulatory and technical risks related to PA implementation**
- **Foster continuous improvement in the quality, credibility, consistency, and efficiency of DOE's PA and risk-based decision-making**
- **Maintain enduring performance and risk assessment capability and knowledge base for DOE Complex**
- **Facilitate the exchange of PA information, both content and methods.**

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Objectives:

- **To foster improved communication and sharing of information and develop appropriate guidance;**
- **To develop a uniform body of PA knowledge across the complex;**
- **To support field sites in the development and planning of PAs;**
- **To create and maintain a repository of PA data and approaches;**
- **To promote training and conferences.**

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Methods:

- **Operate consistent with the Charter;**
- **Gather ideas from existing literature and practitioners;**
- **Seek input from external agencies and stakeholders;**
- **Promote and describe the use and intention of guidance and other information developed through the community.**

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Membership:

- **Steering Committee;**
- **Technical Advisors;**
- **Ad Hoc Members (broader community);**
- **Intended to be an inclusive organization with membership representing practitioners, oversight, and other interested parties.**

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First Technical Exchange – Salt Lake City, 13-14 July:

- **“Modeling the Performance of Engineered Systems for Closure and Near-Surface Disposal”** – waste forms, barriers (vaults, tanks, caps), and near field physical-chemical interactions
- **Speakers being contacted from DOE, IAEA, NRC, National Labs, Contractors, Universities, and International disposal programs;**
- **Special session on Yucca Mountain and WIPP approaches;**
- **Steve Krahn (EM-21) and Martin Letourneau (EM-11) are DOE Leads;**
- **David Kosson (Vanderbilt/CRESP) is leading arrangements and Roger Seitz (SRNL) is assisting with the technical program.**

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Q & A