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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
San Antonio Office

MEETING REPORT (Revised
November 25, 1992

SUBJECT: Visit with Peter Rose, Geologist
(20-5702-031)

DATE AND PLACE: October 15, 1992
Austin, Texas

AUTHOR(S): A. DeWispelare, S. Spector, & S. Young

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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES
San Antonio Office

ATTACHMENT A
MEETING REPORT
November 25, 1992

SUBJECT: Visit with Peter Rose, Geologist

DATE AND PLACE: October 15, 1992
Austin, Texas

PERSONS PRESENT:

CNWRA

A. DeWispelare
S. Spector
S. Young

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BACKGROUND AND PURPOSE:

This trip was undertaken in support of the WSE&I Geotechnical project to evaluate the potential relevance of risk on the decision making process of companies involved in oil and gas exploration to the NRC's regulatory role. We spent the day discussing the various ways commercial companies incorporate risk into their decision making process with geologist Peter Rose, a lecturer, author and consultant on risk.

SUMMARY OF PERTINENT POINTS:

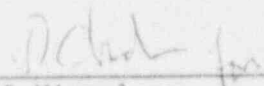
Mr. Rose is well known for his staff training courses which sensitize technical personnel to think in stochastic terms and present results of their various analysis in a probabilistic fashion. These results are then folded into an overall risk assessment to determine preferred drilling policies for the respective companies.

While Mr. Rose provided valuable insights into how petroleum exploration decision making is undertaken, his greater contribution was a list of references on the same subject which he provided. There appears little directly applicable information to be gained by further analysis of the oil and gas industry's risk assessment methods and procedures that would be relevant to the NRC HLW repository program. However, there is a continuing need for sensitivity within the CNWRA technical staff, to thinking in stochastic terms especially in the elements developing submodels for eventual incorporation into the PA stochastic system model. The course description and reputation of Mr. Rose indicate that a 1 or 2 day course in San Antonio could prove very beneficial and cost effective alternative to individual attendance at similar training.


RECOMMENDATIONS:

1. Conclude further efforts in pursuing analysis or links between processes used in oil and gas exploration and the NRC's HLW repository program.
2. Investigate the possibility of Peter Rose conducting a 1 or 2 day Stochastic Analysis Sensitivity Course in San Antonio this winter for the CNWRA staff members and perhaps NRC personnel.

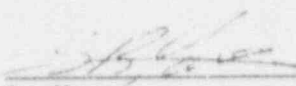
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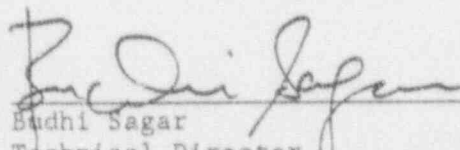

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