



WM Record File

102.2

WM Project 44

Docket No.                     

PDR  to encl.

LPDR  to encl.

### Department of Energy

Nevada Operations Office

P. O. Box 14100

Las Vegas, NV 89114-4100

*Job leads: 0001 - subject to encl.  
Richardson and Skill to encl.  
(Return to W.M. 623 SS) Station to encl.  
Enclosure is a published report*

PK JUN 23 12:16



JUN 18 1986

Joseph P. Bunting  
Branch Chief  
Policy and Program Support Branch  
Division of Waste Management  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

#### NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT INFORMATION MANAGEMENT SYSTEM (IMS) DRAFT CONCEPTS EVALUATION REPORT

Enclosed is a draft of the subject document for your review. Please note the document includes an executive summary for your convenience.

The purpose of the concepts evaluation was to analyze alternative information system configurations, relative to cost and performance, that would satisfy the Office of Geologic Repositories (OGR) NNWSI Project requirements and to recommend a single system architecture to the Waste Management Project Office (WMPO) for further study. In this evaluation, it was assumed that the NNWSI Project will require the development, implementation, and maintenance of a comprehensive, automated information management system. It was also assumed that the system will include all pertinent information generated within or transmitted to the NNWSI Project and will ultimately provide the document base around which most Project-wide tracking, monitoring, and management systems will be built.

As documented in the report, the recommended system architecture is a Project centralized computer-based system in which both the electronic image (allows exact replication of input information) and the machine readable (ASCII) text representations (allows full-text search capability) of all appropriate NNWSI Project information are stored on optical disks. This configuration is directly compatible with present thinking relative to the OGR Licensing Support System (LSS). Specifically, the NNWSI Project Information Management System (IMS) would either be the NNWSI Project arm of a distributed LSS or the vehicle through which NNWSI Project information is provided to a centralized LSS. It should be emphasized that this configuration requires no additional paper or microform-based system to provide hard copy replications of documentation stored within the system. Of the concepts evaluated, the recommended architecture is less expensive to implement and out performs any of the other microform or electronic concepts. Direct compatibility with the OGR LSS, flexibility relative to future technology, and generally declining costs provide an additional bonus relative to the selected concepts.

The Draft Concepts Evaluation Report contains detailed analyses of the need, scope, requirements, functional criteria, performance criteria, and costs of

Joseph Bunting

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applicable information management technology and represents a major effort on the part of Science Applications International Corporation (SAIC) on behalf of DOE/WMPO. Although presently in draft form, we intend to publish this report after minor revisions as a final DOE/WMPO document. We feel that the Concepts Evaluation Report, specifically the selected system architecture, is not only compatible with present thinking on the OGR LSS, but could provide a coherent basis for the design of the LSS. Additionally, we would welcome the opportunity to discuss the Concepts Evaluation Report and its background document with members of your staff.

Should you have any questions relative to this transmittal please contact Karen K. Hatch on FTS 575-1395.

  
Donald L. Vieth, Director  
Waste Management Project Office

WMPO:WRD-1460

Enclosure:  
As stated

cc w/encl:  
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APR 1 1986

CONVERSATION RECORD

TIME 4:30

DATE 31 MARCH 1986

TYPE

VISIT

CONFERENCE

TELEPHONE

INCOMING  
 OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference: /

NAME OF PERSON(S) CONTACTED ~~OR IN CONTACT WITH YOU~~

LISA AUGUST

ORGANIZATION (Office, dept., bureau, etc.)

GEOTRANS, INC.\*

TELEPHONE NO.

(703) 495-4400

SUBJECT

GEOLGY/GEOPHYSICS WORKSHOP; SUBMITTAL OF PDE EA; AFFILIATION OF DR. ROBERT SNYDER

SUMMARY

Geology/Geophysics Workshop - H. Lefevre indicated to L. August that the above workshop has been deferred to the indefinite future because of the anticipated EA submittal in late April. H. Lefevre will advise L. August of a date for the Workshop when determined.

Dr. Robert Snyder, formerly of the USGS, now a part-time consultant to Geotrans in hydrologic matters, has prepared a technical report entitled "Significance of hydrogeologic fractures associated with the Colusset and Recky Collee flows in the construction of a HLW repository at Hanford, Washington." This report is available through Russell Jim, Tribal Representative, Yakima Indian Nation (YIN).

WM Project File  
B-7328  
Geotrans

WM Project 10, 11, 16  
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PDR ✓  
LPDR ✓ (B, N, S)

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PDR WMRES EECGEOTR  
B-7328 PDR

Distribution:

(Return to WIA, G23 SS)

\*Hydrologic Consultant to the Yakima Indian Nation.

ACTION REQUIRED

H. LEFEVRE WILL REQUEST PC (CATHY RUSSELL) OBTAIN A COPY OF THE ROBERT SNYDER TECHNICAL REPORT FOR NPL REVIEW AND COMMENT.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

HAROLD E. LEFEVRE

Harold E. Lefevre

01 APRIL 1986

ACTION TAKEN

A copy of this Conversation Record has been provided to PC for appropriate action.

SIGNATURE

TITLE

DATE

Harold E. Lefevre

Project Manager, WMTGT

01 APRIL 1986

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CONVERSATION RECORD

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