

Catalog of Ongoing and Planned Work of the CRWM-Salt Repository Project in Columbus, Ohio

**U.S. Department of Energy
Salt Repository Project Office**

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WM-16 PDR

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INTRODUCTION

The U. S. Department of Energy (DOE) is responsible for the disposal of spent fuel, commercial and defense high-level nuclear waste, and commercial transuranic waste. The Civilian Radioactive Waste Management (CRWM) program was established to accomplish this task, in accordance with legislation and schedules provided in the Nuclear Waste Policy Act of 1982 (U. S. 97th Congress, 1983). The Salt Repository Project (SRP) of the CRWM program was established to design a repository in salt and to assess its ability to contain nuclear waste. This Catalog of Ongoing Work is intended to assist planning and promote discussion among interested parties.

The Catalog has been designed to implement the DOE's policy to make both unanalyzed and processed data from the SRP easily available. The first section describes the types of data and information to be provided, how to access information, and DOE's procedures for making information available. The last section of the Catalog is the index, where the user can find a description of the different reports in process in the project. The report description sheets in this section describe the data, the originator, the planned review process, the intended publication vehicle, the title of the forthcoming report, the estimated publication date, and directions for requesting a copy.

Once the document is published and made available, it continues to appear in the Catalog until it is listed in the Bibliography of Studies for the Salt Repository Project of the Civilian Radioactive Waste Management Program (the Bibliography). The Bibliography is updated regularly, generally twice a year. The Catalog is updated once every two months.

A primary purpose of the Catalog is to inform major interested parties of data and information being generated within the SRP, thus enabling them to request copies of resultant reports. A second major purpose is to serve as a stimulus for dialog between the DOE and those interested parties.

This Catalog was written for use by a variety of interested parties (e.g., designated salt state representatives, the U. S. Nuclear Regulatory Commission staff studying the SRP, DOE prime contractors, the U. S. Geological Survey, other CRWM project offices, and DOE/HQ).

This Catalog does not currently apply to data from all DOE prime contractors. Future editions of the Catalog will address products produced by these organizations as reporting procedures are developed. Our objective is to capture the entire picture for the SRP of ongoing and finished reports through this Catalog and the Bibliography, respectively.

This Catalog and its companion bibliography of published reports are parts of a total information system for the Salt Repository Project. Automated data bases are also in place or being developed, and interested parties are encouraged to request information on their use. These data bases are:

1. The Records & Information System (RIS) is an index to the correspondence and reports of the Office of Nuclear Waste Isolation. A part of the RIS is the Records Turnover Packages (RTPs), an index of records associated with ONWI internal and subcontractor projects.

This master bibliographic data base makes it possible to quickly search the entire ONWI records collection for specific documents or those dealing with a particular topic, such as "brine migration" studies.

2. ONWI Technical Data Base, which is under development, will provide data on a wide range of areas, e.g., repository, waste package, and site (geologic, environmental, and socioeconomic characteristics). This data base also will provide access to controlled technical data.

The objective is to provide retrieval of actual data and the references to the sources of these data, as well as traceability of any changes in values assigned to a particular parameter.

To receive information regarding the above data bases, or to submit comments and suggestions regarding this Catalog, please notify

U.S. DOE SRPO
Attention: Sarah Starr
505 King Avenue
Columbus, Ohio 43201-2693

Tel: (614) 424-5916

TYPES OF DELIVERABLES OF THE SALT REPOSITORY PROJECT

Each report description sheet in the Catalog shows an information field called "Deliverable Type". The options for this field are listed below grouped according to the categories for technical documentation specified in the Systems Engineering Management Plan for the Salt Repository Project (DOE/CH-21).

Category A - Directives Adopted into SRP Baseline as Applicable to the SRP
(e.g. baselined laws, DOE Orders, Regulations, OCRWM and OGR
baselines)

Category B - Requirements Documents

Deliverable Types: Project Policy Documents (i.e. QAP, PPP, SEMP,
PMP)

SRP Requirements Document (SRP-RD)

Issues Hierarchy Document

Category C - Design and Strategy Documents

Deliverable Types: SRP Strategy Document

Systems (MGDS) Design Description
Design reports

System/trade-off studies

Issue Resolution Strategies Document

Category D - Organization and Implementation Documents

Deliverable Types: Organization Plans

Implementation Plans

Program Plans

Investigation Plans

Study Plans

Test/Analysis Plans

Technical Procedures

Category E - Reports

Deliverable Types: Results/Analysis Reports

Laboratory Test Analysis Reports

Unanalyzed Data Reports

Field Test Analysis Reports

Total System Life Cycle Cost Reports

Computer Code Documentation

Major Programmatic Document (e.g. Site

Characterization Plan, Environmental

Impact Statement, Safety Analysis Report,

License Application)

See Page 8 for a listing of ways to access information of the SRP. SRPO procedures for providing information/data begins on Page 10.

THE INTEGRATED INFORMATION SYSTEM INPUT SHEET

The vehicle for entering a report into the Catalog is the Integrated Information System Input Sheet. A sample sheet is given on the following page to indicate the type of descriptive information supplied by the individual submitting the entry. These sheets are used as the primary source for Catalog information.

FROM: _____
(Name of Cognizant Individual submitting the information)

Please assign a tracking number here _____ and enter the information on this input sheet appropriately into the integrated information system.

1.3. (WBS NUMBER) (DOE CONTACT PERSON'S NAME) (RESPONSIBLE MANAGER'S NAME)

TITLE OF DELIVERABLE/REPORT: _____

SUMMARY/ABSTRACT: _____

IN SUPPORT OF: _____

(OVER)

PRE-PUBLISHING REVIEWS: (Note: Write in the date you have negotiated to send the deliverable to each reviewing group beside that group name. For those groups to which you plan to send the deliverable, but with which you have not yet negotiated a "send" date, place a check beside the review category. As forecast and actual "send" dates are negotiated and achieved, submit these to Rm 13-5-111 on the Deliverables Tracking Report sheet according to Procedures #8 in the Catalog. Estimates of review times are shown for each review category to facilitate your date negotiations.)

ONWI DEPARTMENTS - 4 wks

☐ ENGINEERING DEPT (ENGD)
☐ ENVIRONMENT/SOCIOECONOMIC DEPT (ESD)
☐ FIELD OPERATIONS DEPT (FOD)
☐ GEOTECHNICAL DEPT (GEOD)
☐ INFORMATION MANAGEMENT DEPT (IMD)
☐ INSTITUTIONAL DEPT (INSD)
☐ LEGAL DEPT (LEGD)
☐ PLANNING & CONTROL DEPT (PACD)
☐ QUALITY ASSURANCE (QA)
☐ REGULATORY DEPT (REGD)
☐ REPOSITORY DEPT (REPD)
☐ SYSTEMS ANALYSIS DEPT (SAD)
☐ SYSTEMS ENGINEERING DEPT (SED)

ONWI TMP COMPLIANCE

☐ REVIEW OF CONTRACTOR TECHNICAL SUBMITTALS (TMP-16) - 2 wks
☐ REVIEW OF INTERNALLY DEVELOPED TECHNICAL DOCUMENTS (TMP-17)-2 wks
☐ PEER REVIEW (TMP-06) - 4 wks
☐ DESIGN REVIEW (TMP-05) - 4 wks

OTHER REVIEWS

☐ SRPO - 8 wks
☐ NRC
☐ STATE REPRESENTATIVES
☐ DOE-HQ - 12 wks

DOE COORDINATING GROUPS - 6 wks

☐ ENVIRONMENTAL CG (ECG)
☐ INSTITUTIONAL/SOCIOECONOMIC CG (ISCG)
☐ LICENSING CG (LCG)
☐ PERFORMANCE ASSESSMENT CG (PACG)
☐ QUALITY ASSURANCE CG (QACG)
☐ REPOSITORY CG (RCG)
☐ SCP CG
☐ TRANSPORTATION CG (TCG)
☐ UNDERGROUND TESTING CG (UTCG)
☐ WASTE PACKAGE CG (WPCG)

REVIEW GROUPS

☐ ENGINEERING REVIEW GROUP - wks
☐ GEOLOGY REVIEW GROUP - 8 wks
☐ ANL PEER REVIEW - 12 wks
☐ ANL TECHNICAL REVIEW - 8 wks

DATE OF PLANNED DISTRIBUTION TO THE PUBLIC:

- Estimated date of distribution is 8 weeks after deliverable is sent to its last republishing review

ORIGINATOR OF DELIVERABLE (Check One):

<input type="checkbox"/> BENDIX-GJ	<input type="checkbox"/> INTERA	<input type="checkbox"/> PARSONS-REDPATH	<input type="checkbox"/> TBEG
<input type="checkbox"/> DOE	<input type="checkbox"/> NUS	<input type="checkbox"/> PNL	<input type="checkbox"/> USGS
<input type="checkbox"/> ERTEC	<input type="checkbox"/> ONWI	<input type="checkbox"/> STEARNS-ROGER	<input type="checkbox"/> WOODWARD-CLYDE
<input type="checkbox"/> FLUOR	<input type="checkbox"/> ORNL	<input type="checkbox"/> STONE + WEBSTER	<input type="checkbox"/> OTHER _____

BASIN: ☐ GENERIC ☐ PARADOX ☐ GULF COAST ☐ PERMIAN ☐ CANDIDATE SITE

DESTINATION: ☐ For Public Distribution ☐ For Internal SRP Distribution

STATUS: ☐ WORK IS PLANNED ☐ WORK IS IN PROGRESS

DELIVERABLE TYPE (Check One):

<input type="checkbox"/> REQUIREMENTS DOCUMENT	<input type="checkbox"/> PROCEDURE	<input type="checkbox"/> JOURNAL/PAPER SPEECH
<input type="checkbox"/> STRATEGY DOCUMENT	<input type="checkbox"/> UNANALYZED DATA REPORT	<input type="checkbox"/> BROCHURE (Fact Sheets, Public Information)
<input type="checkbox"/> DESIGN REPORT	<input type="checkbox"/> COMPUTER CODE DOCUMENT	<input type="checkbox"/> MAJOR PROGRAM-MATIC DOCUMENT
<input type="checkbox"/> SYSTEM STUDY	<input type="checkbox"/> TEST ANALYSIS REPORT	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> ORGANIZATION/IMPLEMENTATION PLAN	<input type="checkbox"/> RESULTS/ANALYSIS REPORT	
<input type="checkbox"/> TEST/ANALYSIS PLAN		
<input type="checkbox"/> STUDY PLAN		

DIRECT QUESTIONS ON FILLING OUT FORM AND SUGGESTIONS ON IMPROVING FORM TO L. CASEY (X 5916) OR B. RAWLES (X 7696)

THE REPORT DESCRIPTION SHEETS

The final section of the Catalog is the report description sheets. A sheet is prepared for each item as a way to alert the user to forthcoming reports. A sample sheet is given on the following page to indicate the descriptive information supplied for each item.

The report description sheet also tells the user how to get a copy of a specific report. Users who wish to be registered on our mailing list should follow the procedure described on page 8, part d. Mailing Lists.

Written communications should be addressed to:

U.S. Department of Energy
Attn: Document Control
505 King Avenue
Columbus, Ohio 43201

02/86

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER:

SUBJECT CATEGORY:

DOE CONTACT PERSON:

RESPONSIBLE MANAGER:

BASIN:

STATUS:

TITLE:

SUMMARY:

PLANNED REVIEWS:

ORIGINATOR OF DATA:

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC:

DELIVERABLE TYPE:

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY OF THIS REPORT, PLEASE WRITE A LETTER WHICH INCLUDES TRACKING NUMBER AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

HOW TO ACCESS INFORMATION ON THE SALT REPOSITORY PROJECT

Access to data and reports is provided by DOE in the following ways:

- a. Using the Catalog--The interested party reviews the report description sheets in the Catalog of ongoing and planned work and identified those of interest. If you are already on our mailing list, you will receive the topical reports and "Notice of Availability" of data reports when they are published. Directions for requesting individual reports are given on each report description sheet.
- b. Using the Bibliography--The interested party reviews this and directs requests for published reports to the BPMD Technical Information Center, 505 King Avenue, Columbus, Ohio 43201. The request should designate the report number and title, as well as the name and address of the person to receive the report. Requests for published reports are filled and mailed promptly. Hard copies will be sent while supplies last, then microfiche copies are provided.
- c. Tailored Indexes--Interested parties should contact the Manager, DOE/SRPO to arrange to visit SRPO to be briefed on the potential for producing indexes of information tailored to the user's specific needs or interests. The user can then use the index as a basis for ordering specific reports.
- d. Mailing Lists--Those who wish to automatically receive topical reports and "Notice of Availability" of data reports in selected subject areas should complete both sides of the ONWI Technical Profile Selection sheet provided on page 9 and send it to the BPMD Technical Information Center, 505 King Avenue, Columbus, Ohio 43201.
- e. BPMD Technical Information Center--This center provides services to those who have needs for reports or other information about the Salt Repository Project. Users may visit, call or write the Center (614-424-7697) to make requests (e.g., reports listed in the Bibliography or to be placed on the mailing lists).
- f. Controlled Access Library--This library contains the documents referenced in the Environmental Assessments (EAs) and will contain those referenced in other key documents. Users can visit the library to use the documents or can request microfiche copies of documents. Call (614) 424-7697 for information.

ONWI TECHNICAL PROFILE SELECTION (for reports related to a repository in salt)

GENERAL

- ☐ Project Plans
- ☐ ONWI (Salt) Quarterly Technical Progress Reports
- ☐ ONWI-200
Bibliography of Studies for the Salt Repository Project

SYSTEMS

- ☐ Systems Engineering
- ☐ Systems Performance Assessment
- ☐ Performance Assessment Computer Codes

WASTE PACKAGE

- ☐ Waste Forms
- ☐ Barriers

SITE

Salt Generic

- ☐ —Earth Science Characterization
- ☐ —Environmental Characterization
- ☐ —Socioeconomic Characterization

Permian Basin

- ☐ —Earth Science Characterization
- ☐ —Environmental Characterization
- ☐ —Socioeconomic Characterization

Paradox Basin

- ☐ —Earth Science Characterization
- ☐ —Environmental Characterization
- ☐ —Socioeconomic Characterization

Gulf Coast Domes

- ☐ —Earth Science Characterization
- ☐ —Environmental Characterization
- ☐ —Socioeconomic Characterization

REPOSITORY

- ☐ Repository Site
- ☐ Waste Handling & Processing Facilities
- ☐ Repository Shafts
- ☐ Subsurface Facilities
- ☐ Sealing Systems
- ☐ Repository Operations

REGULATORY AND INSTITUTIONAL

- ☐ Licensing
- ☐ NEPA Documents

TEST FACILITIES AND EXCAVATIONS

- ☐ Field Tests
- ☐ Exploratory Shaft
- ☐ Support Facilities

LAND ACQUISITION

- ☐ Acquisition Agreements, Rights & Easements



Battelle

Project Management Division
505 King Avenue
Columbus, Ohio 43201-2693

FROM: BPMD Technical Information Center

Technical reports are distributed from this office to persons who have expressed interest in nuclear waste isolation in salt. The Technical Profile Selection listed on the back of this sheet shows the range of subjects. Checkmark the categories related to your field(s) of interest, so that we can provide you with the appropriate reports.

Also, we encourage the use of microfiche copies of reports, since their production and mailing costs are a fraction of those for paper copy reports. If you will accept microfiche, you will receive all the reports you request. Budgeting constraints may preclude large-scale distribution of paper copy reports.

Will you accept microfiche instead of paper copy reports? Yes _____ No _____

Finally, please print or type the information requested below.

Name _____

Title _____

Company/Organization _____

Address _____

City/State/Zip _____

Phone _____

Please explain why you need these reports _____

PROCEDURES FOR PROVIDING INFORMATION/DATA

The following procedures have been developed to expedite the flow of information/data generated by the Salt Repository Project to interested parties. It is probable that these procedures will not provide for all future contingencies; new and revised procedures will be issued as required and copies of revisions sent to all Catalog holders. Suggestions for additional or revised procedures and any resultant products should be sent to: U.S. DOE/SRPO (Attn: Document Control), 505 King Avenue, Columbus, Ohio 43201

<u>Procedure No.</u>	<u>Product/Process Addressed</u>
1	Providing data reports within 30-45 days of collection.
2	Providing access to field activities.
3	Providing topical reports.
4	Providing indexes from computerized information systems.
5	Providing design drawings.
6	Providing processed data from the SRP Technical Data Base.
7	Providing activity plans, test plans, and test procedures.
8	Updating the report description sheets for this Catalog.
9	Compiling user-generated Catalog

PROCEDURE #1

PROVIDING DATA REPORTS WITHIN
30-45 DAYS OF COLLECTIONBackground
Information

The Salt Repository Project generates unanalyzed data in its field activities and other studies which are of interest to the Salt States, the NRC, DOE prime contractors, and others. The NRC has stated a preference for data being published separately from analyses.

Policy

DOE/SRPO will make unanalyzed data available to interested parties in the form of data reports 30-45 days after collection. A "Notice of Availability" will be sent for each report to those persons on our mailing list who have signed up for the relevant subject category (see ONWI Technical Profile Selection sheet on page 9). In addition, DOE/SRPO will, upon request, make unanalyzed data available for inspection and copying on site (see Procedure 2, "Providing Access to Field Activities").

ProcedureWork Package
Manager

The DOE prime contractors and subcontractor technical work package managers who obtain data will collect them in a form compatible with rapid review and release. The work package managers shall perform the following actions in preparation for release:

1. Prepare an introductory statement which briefly describes what is in the report, how the data were collected and why, the level of quality of the data, anticipated precision or accuracy of the data, and any caveat to the user as to the condition of the data, e.g., unanalyzed data, uninterpreted data, or other.
2. Prepare a descriptive abstract (200 words or less) for the report.

Review and sign-off is as follows:

- a. Author/Originator (technical work package manager)
- b. Cost Account Manager
- c. WBS Manager
- d. Prime Contractor Director
- e. Policy Review
- f. Patent Review
- g. DOE/SRPO Review

ONWI Reports
Group

The data/information will be received from the Work Package Manager and converted to an 8-1/2" x 11" format and issued as a data report.

Data reports will be labeled as UNANALYZED DATA to alert the user of their status. A report number will be assigned which identifies the data reports. A comment form will be attached to encourage feedback from the user.

Patent
Lawyer

Data reports will undergo patent review to determine whether they contain information on inventions. Those which do not will be released; those which do will be sent to DOE/Chicago Operations Office for processing.

ONWI Reports
Group

The ONWI Reports Group will assure that the data reports are signed off for release and are prepared for printing.

Data reports will be printed and disseminated. Mailing lists will be maintained by ONWI and monitored by DOE/SRPO.

PROCEDURE #2

PROVIDING ACCESS TO FIELD ACTIVITIES

Background
Information

It is expected that there will be occasions when Salt State representatives and other interested parties will want to be present during field activities. Opportunities for observing the activities and the data generation are addressed by this procedure.

Policy

DOE/SRPO will provide access to the field activities. Unanalyzed data will be made available on site, upon request, for inspection and copying.

Procedure

Requestor

Interested parties should contact the Manager, DOE/SRPO, at 505 King Avenue, Columbus, Ohio 43201, at least ten (10) days in advance to request access to the field activities.

Work Package
Manager

Authorized representatives of the states or other government agencies may observe activities and data collection. Facilities will be provided for copying unanalyzed data records promptly after completion of the DOE (or DOE contractor) quality assurance checks that are inherent in determining that the data have been obtained and documented properly. This information/data will be sent to the SRP Work Package Manager for conversion to a data report and timely distribution. See Procedure #1, "Providing Data Reports Within 30-45 Days of Collection".

PROCEDURE #3

PROVIDING REPORTS

Background
Information

SRP reports are produced by ONWI, its subcontractors, and other DOE prime contractors, working in the Salt Repository Project. These reports consist of analyses and interpreted data and information.

Policy

DOE/SRPO will provide copies of topical reports via the ONWI report distribution system using established mailing lists.

ProcedureONWI Reports
Group

Topical reports prepared by DOE contractors and their subcontractors, National Laboratories and other SRP participants are published. The distribution list is prepared using a computerized file of reader's expressed technical interests, and inserted in each one. The reports are reviewed and signed off as follows:

1. Author/Originator (technical work package managers)
2. Cost Account Manager
3. WBS Manager
4. Prime Contractor Director
5. Policy Review
6. Patent Review
7. DOE/SRPO Review

Finalized topical reports are sent to the Government Printing Office for publishing. Finished reports are packaged and mailed to those on the distribution lists. Extra copies are maintained by ONWI to fill requests. (When hard copy supplies are exhausted, microfiche copies are provided.)

BPMD Technical Information Center maintains and updates report distribution lists. Interested parties who want to be added to these lists should mail the form on page 9 to

BPMD Technical Information Center
Battelle Project Management Division
505 King Avenue
Columbus, Ohio 43201

PROCEDURE #4

COMPUTERIZED INFORMATION SYSTEM

Background
Information

ONWI has developed and maintains a number of computer-based information systems, which are briefly described on page 2. These information systems can be used to generate specialized indexes to facilitate data searches, e.g., index of final reports by Work Breakdown Structure (WBS), index of subcontractor reports, and subject bibliographies.

Policy

DOE/SRPO will make available newly created indexes tailored to the specific needs of interested parties. If these new indexes are of wide, general interest to our users, they will be maintained and updated on a continuing basis.

Procedure

Requestor

The interested party contacts DOE/SRPO, Document Control, and requests the index wanted.

ONWI

The request is forwarded to ONWI where the search is performed and the index is prepared. Results of the search, usually in the form of a computer printout, are shipped to the requestor.

Indexes Currently Being Maintained

Bibliography of Studies of the Salt Repository Project of the Civilian Radioactive Waste Management Program

Catalog of Ongoing and Planned Work of the CRWM-Salt Repository Project in Columbus, Ohio

Future Indexes Which will be Maintained

TDMS Data Handbook	Activity Plans
Test Procedures	Drilling Plans
Test Plans	Computer Codes
Design Drawings	

One-Time Query

For an example, see following page.

EXAMPLE

ONE-TIME QUERY

To Computer: Find Document type=report and Subject=Brine Migration

Response: 10,958 = Document type--report
1,085 = Subject--brine migration
30 = Reports on brine migration

To Computer: Display items 1, 18, 20, 29, 30

Item 1

Title Thermal Gradient Brine Inclusion Migration in Salt Study: Gas-Liquid Inclusions - Preliminary Model
Author Olander, DR and Machiels, AJ
Doc Date 791001
Doc No. ONWI-85

Item 18

Title Brine Migration Field Test Plans for Asse Mine, Germany, p 217.
Author Kuhn, K and Klein, FF
Doc Date 801208
Doc No. ONWI-212

Item 20

Title Salt Block II: Brine Migration Modeling
Author Hadley GR
Doc Date 811001
Doc No. SAND81-0433

Item 29

Title Effects of Temperature, Temperature Gradients, Stress, and Irradiation on Migration of Brine Inclusions in a Salt Repository
Author Jenks, GH
Doc Date 790701
Doc No. ORNL-5526

Item 30

Title Modeling of Brine Migration in Halite
Author Cheung, H, Fuller, ME, Gaffney, ES
Doc Date 791019
Doc No. UCRL-82228, Rev. 1

PROCEDURE #5

PROVIDING DESIGN DRAWINGS

Background
Information

The Salt Repository Project has exploratory shaft design under way. Design drawings will be produced in this effort. Likewise, DOE/SRPO has an architect/engineer under contract to design the repository. The Salt States and others may want to study these drawings.

Policy

DOE/SRPO will make design drawings available for viewing by interested parties at the ONWI Engineering Records Center (listing in design drawing index - see Procedure #4). Copies can be made available on a specific request basis.

PROCEDURE #6

PROVIDING PROCESSED DATA FROM
THE TECHNICAL DATA MANAGEMENT SYSTEMBackground
Information

The ONWI Technical Data Management System (TDMS) Manager has the responsibility for collecting the most currently useful technical information and converting it into a readily available form. The system uses a computer-controlled retrieval system and publishes a semi-annual handbook that summarizes the currently accepted technical data of interest to the ONWI project. Thus the TDMS is intended to contain technical data that are approved/reviewed and of broad interest to the entire project.

Policy

DOE/SRPO makes accepted, i.e., ready for general use, technical data available to any interested parties upon request.

Procedure

Requestor

Parties interested in data currently accepted for use by the project submit their requests to DOE/SRPO, Attn: Document Control.

DOE/SRPO
(Document
Control)

Reviews the nature of the request and routes it to the appropriate Battelle data source. In the case of technical data, the request is sent to the ONWI TDMS office.

ONWI TDMS
Office

Upon receipt of a technical data request, the staff conduct a search of the appropriate data storage locations, e.g., the TDMS Data Base, appropriate technical staff or other sources, and prepares a response. When the information of interest is available in the TDMS Technical Data Handbook, a copy of the handbook is forwarded to the requestor. When special searches are required, a customized response is prepared. If data are not available, a response to that effect is submitted.

ONWI Reports
Group

Receives the response from the TDMS Office and compiles or converts it into a data report (see Procedure #1 for details). Following internal approvals, the response is shipped to the requestor.

Note: The Handbook contains a form for users to complete and return when they have suggestions for updating data or improving data presentation. Suggestions for data updates are reviewed internally and a response sent to the commenter describing the outcome of the user's suggestion, i.e., either adoption into the data base or explanation for not making a change.

PROCEDURE #7

PROVIDING ACTIVITY PLANS, TEST
PLANS AND TEST PROCEDURES

Background
Information

Plans for future activities, test plans, and test procedures for the Salt Repository Project are developed to guide the Project in an orderly fashion and to assure compliance with quality assurance and other considerations.

Policy

DOE/SRPO will provide copies of activity plans, test plans, and test procedures to interested parties upon request before work commences.

Procedure

SRP Work Package Managers provide copies of activity plans, test plans, and test procedures to BPMD Information Management Systems Operations for indexing and storage.

Lists of these plans and procedures will be updated and distributed periodically. Interested parties should write to DOE/SRPO, Document Control, 505 King Avenue, Columbus, Ohio 43201 to request specific items from the lists.

PROCEDURE #8

UPDATING THE REPORT DESCRIPTION
SHEETS FOR THIS CATALOGBackground
Information

The report description sheets for this Catalog reflect planned and ongoing work in the Salt Repository Project. The changes in status or progress of the work will be updated and new sheets issued bimonthly.

Policy

DOE/SRPO will update the report description sheets on a continuous basis to reflect current status of work in the Salt Repository Project.

ProcedureWork Package
Manager

The report description sheets are updated at any time a change is known by marking the change on the sheet and submitting a signed and dated copy of the marked sheet to the Catalog Administrator in the Information Management group (Rm 13-4-071D). To submit new entries to the Catalog, complete the input sheet described on page 4.

ONWI Reports
Group

Updates and additions to the report description sheets will be prepared as received. The total Catalog will be issued with updates and additions included bimonthly.

Users

Upon receipt of the new edition, discard the old and use the updated version.

PROCEDURE #9

COMPILING USER-GENERATED CATALOG

Background
Information

On-line access to the Catalog is available to the NRC and the Salt States. SRPO encourages the on-line use of the Catalog, including real time printing of it by the user. Instructions for compiling the Catalog information are below.

Procedure

Use the BASIS command FIND along with the wildcard character "*" (see request no. 2 in the exhibit). This command will find all records with a tracking number. Since every record in the Catalog has a tracking number, every record will be found.

Once the collection is made, it can be sorted by any data field. The Catalog is sorted as shown in the exhibit - by WBSNO (Work Breakdown Structure), PLNDT (Planned Distribution Date), and CYCNO (the tracking number). The SORT command is used to do this.

Once the collection is sorted, it is displayed using the DISPLAY command. The displayed information is shown in the exhibit for the first few records. To print the displayed records, use the print command associated with your computer.

Compiling User-Generated Catalog

1/ FIND CYCNO=*
 100 TERMS ACCESSED, 100 COMBINED, CONTINUING
 200 TERMS ACCESSED, 200 COMBINED, CONTINUING
 * 291 2/ CYCNO=* (291 TERMS COMBINED)
 2/ SORT WBSNO,PLNDT,CYCNO
 * 291 3/ CYCNO=* (291 TERMS COMBINED) SORT=WBSNO,PLNDT,CYCNO
 3/ DISPLAY ALL FOR ALL

ITEM 1

ACCESSION NO 303
 CYCLE NUMBER 1218
 TITLE
 FY 85 TECHNICAL PROJECT PLAN
 BASIN GENERIC
 ABSTRACT

THIS REPORT PRESENTS A DISCUSSION OF THE OBJECTIVES OF THE SALT REPOSITORY PROJECT IN RELATION TO THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT (CRWM) PROGRAM ALONG WITH THE DETAILING OF THE TECHNICAL ACTIVITIES DIRECTED TOWARD ACCOMPLISHING THESE OBJECTIVES. SCHEDULES, MILESTONES AND TECHNICAL APPROACHES ARE GIVEN FOR EACH LEVEL 3 WORK BREAKDOWN STRUCTURE TASK.

STATUS WORK IN PROGRESS
 PLANNED DATE 850801
 WBS CATEGORY SYSTEMS MANAGEMENT AND INTEGRATION (WBS 1.3.1.1)
 PROJECT MANAGER VRONA
 PLANNED REVIEW ONWI-INTERNAL;ONWI QA;DOE/SRPO;PATENT
 ORIGINATOR ONWI
 FORM PROJECT PLAN
 SUBMITTED Y
 DOE CONTACT CASEY
 WBS NUMBER 1.3.1.1
 DATE ENTERED 841203
 DATE CHANGED 850611

ITEM 2

ACCESSION NO 305
 CYCLE NUMBER 1156
 TITLE
 SALT REPOSITORY PROJECT SYSTEM ENGINEERING MANAGEMENT PLAN (SEMP)
 BASIN GENERIC
 ABSTRACT

THE SEMP WILL DESCRIBE THE MANAGEMENT PROCESSES WHICH WILL BE UTILIZED TO DIRECT THE TECHNICAL ASPECTS OF THE SALT REPOSITORY PROJECT.

STATUS WORK IS PLANNED
 PLANNED DATE 850927
 WBS CATEGORY SYSTEMS MANAGEMENT AND INTEGRATION (WBS 1.3.1.1)
 PROJECT MANAGER GARVEY
 PLANNED REVIEW DOE/SRPO;PATENT;DOE/HQ
 ORIGINATOR ONWI
 FORM MANAGEMENT PLAN
 SUBMITTED N

DOE CONTACT CASEY
WBS NUMBER 1.3.1.1
DATE ENTERED 841204
DATE CHANGED 850612

ITEM 3

ACCESSION NO 214
CYCLE NUMBER 1300
TITLE

SPENT FUEL BURNUP AND AGE
IMPLICATIONS FOR THE DESIGN AND COST OF A WASTE DISPOSAL SYSTEM
BASIN GENERIC

ABSTRACT

THIS REPORT IDENTIFIES THE DESIGN AND COST IMPACTS ON THE SALT
REPOSITORY OF EXTENDED SF BURNUP AND EXTENDED COOLING TIMES. EXTENDED
BURNUP AND COOLING TIME SCENARIOS ARE DEFINED AND COMPARED TO BASELINE
SPENT FUEL CHARACTERISTICS.

STATUS DOCUMENT DISTRIBUTED
PLANNED DATE 850131
WBS CATEGORY SYSTEMS ENGINEERING (WBS 1.3.1.2)
PROJECT MANAGER DIPPOLD
PLANNED REVIEW ONWI-INTERNAL;ONWI QA;DOE/SRPO;PATENT;REGPO
ORIGINATOR ONWI
FORM TOPICAL REPORT
REPORT ISSUE DT. 850222
SUBMITTED Y
DOE CONTACT CASEY
PUB REPORT NO BMI/ONWI-0561
WBS NUMBER 1.3.1.2
DATE ENTERED 840118
DATE CHANGED 850612

THE CATALOG OF REPORT DESCRIPTION SHEETS

The following report description sheets describe the products and reports which are planned, in progress, or recently published in the Salt Repository Project. They describe each item by providing the title or description, the subject category, the date dissemination is expected, the originator of the data, the form of dissemination, the published report number and date of dissemination. Each sheets also includes information on how to order a copy of the report.

The subject categories are reflected on the Technical Profile Selection sheet on page 9. This assures that users will receive the reports for those categories they checkmark on the form. If your mailing list categories do not presently reflect your interests, please submit a new one. (See instructions on page 8). These mailing list categories also correspond to the work breakdown structure (WBS) of the Salt Repository Project. The Catalog sheets are in WBS order. The major WBS subject Categories are:

- 1.3.1 Systems
- 1.3.2 Waste Package
- 1.3.3 Site
- 1.3.4 Repository
- 1.3.5 Regulatory and Institutional
- 1.3.6 Exploratory Shaft
- 1.3.7 Test Facilities
- 1.3.8 Land Acquisition
- 1.3.9 Program Management

A more detailed listing correlating the subject categories and WBS number is shown on the next three pages for indexing reference purposes.

WORK BREAKDOWN STRUCTURE (WBS)

1.3.1 SYSTEMS

- 1.3.1.1 Systems Management and Integration
- 1.3.1.2 Systems Engineering
- 1.3.1.3 Systems Technical Data Base Management
- 1.3.1.4 Systems Total System Performance Assessment

1.3.2 WASTE PACKAGE

- 1.3.2.1 Waste Package Management and Integration
- 1.3.2.2 Waste Package Environment
- 1.3.2.3 Waste Package Waste Form and Materials Testing
 - 1.3.2.3.1 Waste Form
 - 1.3.2.3.2 Metal Barriers
 - 1.3.2.3.3 Other Materials
 - 1.3.2.3.4 Integrated Testing
- 1.3.2.4 Waste Package Design, Fabrication and Prototype Testing
- 1.3.2.5 Waste Package Performance Assessment

1.3.3 SITE

- 1.3.3.1 Generic Site Activity
 - 1.3.3.1.1 Management and Integration
 - 1.3.3.1.2 Geology
 - 1.3.3.1.3 Hydrology
 - 1.3.3.1.4 Geochemistry
 - 1.3.3.1.5 Drilling
 - 1.3.3.1.6 Environment
 - 1.3.3.1.7 Socioeconomic
 - 1.3.3.1.8 Site Performance Assessment
 - 1.3.3.1.9 Deferred Site Close-Out
- 1.3.3.2 Permian Basin
 - 1.3.3.2.1 Management and Integration
 - 1.3.3.2.2 Geology
 - 1.3.3.2.3 Hydrology
 - 1.3.3.2.4 Geochemistry
 - 1.3.3.2.5 Drilling
 - 1.3.3.2.6 Environment
 - 1.3.3.2.7 Socioeconomic
 - 1.3.3.2.8 Site Performance Assessment
 - 1.3.3.2.9 Deferred Site Close-Out

- 1.3.3.3 Paradox Basin
 - 1.3.3.3.1 Management and Integration
 - 1.3.3.3.2 Geology
 - 1.3.3.3.3 Hydrology
 - 1.3.3.3.4 Geochemistry
 - 1.3.3.3.5 Drilling
 - 1.3.3.3.6 Environment
 - 1.3.3.3.7 Socioeconomic
 - 1.3.3.3.8 Site Performance Assessment
 - 1.3.3.3.9 Deferred Site Close-Out
- 1.3.3.4 Gulf Coast Salt Domes
 - 1.3.3.4.1 Management and Integration
 - 1.3.3.4.2 Geology
 - 1.3.3.4.3 Hydrology
 - 1.3.3.4.4 Geochemistry
 - 1.3.3.4.5 Drilling
 - 1.3.3.4.6 Environment
 - 1.3.3.4.7 Socioeconomic
 - 1.3.3.4.8 Site Performance Assessment
 - 1.3.3.4.9 Deferred Site Close-Out
- 1.3.4 REPOSITORY
 - 1.3.4.1 Repository Management and Integration
 - 1.3.4.2 Repository Development and Testing
 - 1.3.4.2.1 Rock Mechanics
 - 1.3.4.2.2 Equipment and Instrumentation Development
 - 1.3.4.2.3 Sealing
 - 1.3.4.3 Repository Facilities
 - 1.3.4.3.1 Site Preparation
 - 1.3.4.3.2 Surface Facilities
 - 1.3.4.3.3 Shafts/Ramps
 - 1.3.4.3.4 Subsurface Excavations
 - 1.3.4.3.5 Underground Service Systems
 - 1.3.4.4 Repository Operations/Maintenance
 - 1.3.4.5 Repository Decommissioning
 - 1.3.4.6 Repository Performance Assessment
- 1.3.5 REGULATORY AND INSTITUTIONAL
 - 1.3.5.1 Management and Integration
 - 1.3.5.2 Licensing

- 1.3.5.3 Environmental Compliance
- 1.3.5.4 Communication and Liaison
- 1.3.5.5 Financial/Technical Assistance
- 1.3.6 EXPLORATORY SHAFT
 - 1.3.6.1 Exploratory Shaft Management and Integration
 - 1.3.6.2 Exploratory Shaft Site Preparation
 - 1.3.6.3 Exploratory Shaft Surface Facilities
 - 1.3.6.4 Exploratory Shaft First Shaft
 - 1.3.6.5 Exploratory Shaft Second Shaft
 - 1.3.6.6 Exploratory Shaft Subsurface Excavations
 - 1.3.6.7 Exploratory Shaft Underground Service Systems
 - 1.3.6.8 Exploratory Shaft Operations
 - 1.3.6.9 Exploratory Shaft Testing
 - 1.3.6.10 Exploratory Shaft Decommissioning
- 1.3.7 TEST FACILITIES
 - 1.3.7.1 Test Facilities Management and Integration
 - 1.3.7.2 Test Facilities Testing
 - 1.3.7.2.1 Asse
 - 1.3.7.2.2 URL
 - 1.3.7.2.3 Stripa
 - 1.3.7.2.4 Climax
 - 1.3.7.2.5 NSTF
 - 1.3.7.2.6 Avery Island
 - 1.3.7.2.7 G-Tunnel
 - 1.3.7.3 Test Facilities New Facilities Acquisition
- 1.3.8 LAND ACQUISITION
 - 1.3.8.1 Land Acquisition Management and Integration
 - 1.3.8.2 Land Acquisition Exploratory Shaft
 - 1.3.8.3 Land Acquisition Repository
- 1.3.9 PROGRAM MANAGEMENT
 - 1.3.9.1 Management and Integration
 - 1.3.9.2 Project Control
 - 1.3.9.3 Quality Assurance

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01339

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOCHEMISTRY (WBS
1.3.3.1.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

267

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: GEOCHEMISTRY PLAN UPDATE

SUMMARY: THIS PLAN DESCRIBES THE GEOCHEMICAL WORK IN THREE AREAS: SITE CHARACTERIZATION, WASTE PACKAGE, AND PERFORMANCE ASSESSMENT. IT WILL ENCOMPASS ALL ASPECTS FROM SAMPLE COLLECTION AND LABORATORY EXPERIMENTS TO ISSUE RESOLUTION. THE CONTENTS OF RELATED PLANS, E.G. IN THE AREAS OF WASTE PACKAGE AND PERFORMANCE ASSESSMENT, WILL BE INCORPORATED BY REFERENCE.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01887

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOCHEMISTRY (WBS
1.3.3.1.4)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: HARPER 1079

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: GEOCHEMISTRY REVIEW PANEL REPORT ON THE SRP GEOCHEMISTRY
PROGRAM AND DRAFT GEOCHEMISTRY SUMMARY PROGRAM PLAN (MAY, 1986)
AND DISCUSSION OF PANEL RECOMMENDATIONS

SUMMARY: THE GEOCHEMISTRY REVIEW PANEL (GRP) WAS ESTABLISHED TO HELP
EVALUATE GEOCHEMISTRY-RELATED ISSUES IN THE DOE'S NUCLEAR
WASTE REPOSITORY PROGRAM. THE MAY 1986 MEETING OF THE GRP
REVIEWED THE SRP GEOCHEMISTRY PROGRAM DEVELOPED BY ONWI. THIS
PROGRAM IS DESCRIBED IN THE DRAFT GEOCHEMISTRY PLAN OF APRIL
9, 1986. THIS REPORT DOCUMENTS THE GRP'S COMMENTS AND
RECOMMENDATIONS ON THIS SUBJECT AND THE ONWI RESPONSES.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI, BATTELLE COLUMBUS DIVISION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/10140-06

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01315

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOCHEMISTRY (WBS
1.3.3.1.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

228

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: GEOCHEMISTRY PLAN

SUMMARY: THIS PLAN WILL DESCRIBE THE GEOCHEMICAL WORK SUPPORTING THREE AREAS: SITE CHARACTERIZATION, WASTE PACKAGE, AND PERFORMANCE ASSESSMENT. IT WILL ENCOMPASS ALL ASPECTS FROM SAMPLE COLLECTION AND LABORATORY EXPERIMENTS TO ISSUE RESOLUTION. THE CONTENTS OF RELATED PLANS, E.G. IN THE AREAS OF WASTE PACKAGE AND PERFORMANCE ASSESSMENT, WILL BE INCORPORATED BY REFERENCE.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02025

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: HUMMELDORF

1091

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ORIENTATION OF HYDRAULIC FRACTURES IN SALT UNDER HYDROSTATIC
AND NONHYDROSTATIC STRESSES

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A SERIES OF LABORATORY
EXPERIMENTS PERFORMED TO DETERMINE THE INFLUENCE OF
DEVIATORIC IN SITU STRESS ON THE FORM AND ORIENTATION OF
HYDRAULIC FRACTURES IN SALT. THE PRINCIPLE HYDRAULIC
FRACTURING TESTS WERE RUN ON PRISMATIC BLOCKS, 0.3 BY 0.3
METERS IN CROSS SECTION AND 0.5 METERS LONG. THE BLOCKS WERE
CONFINED IN A POLYAXIAL LOADING FRAME USING FLATJACKS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: LAWRENCE BERKELEY LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/14/89

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02816

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1123

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GS-4 SHAFT
MONITORING WELLS

SUMMARY: ATLEAST SIX WELLS WILL BE DRILLED WITHIN A 61- TO 152-METER
(200- TO 500-FOOT) RADIUS OF THE TWO EXPLORATORY SHAFTS AND
WILL PENETRATE THE ENTIRE UPPER HYDROSTRATIGRAPHIC UNIT. THE
WELLS WILL BE USED TO DETERMINE BASELINE GROUND-WATER LEVEL
AND QUALITY CONDITIONS PRIOR TO AND DURING CONSTRUCTION OF
THE SHAFTS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02688

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON 1110

BASIN: CANDIDATE SITE STATUS: WORK IN PROGRESS

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GS-3 EXPLORATORY
SHAFT FACILITY (ESF) DESIGN FOUNDATION BORINGS

SUMMARY: APPROXIMATELY FIFTY BORINGS ARE NEEDED FOR DESIGN OF THE
EXPLORATORY SHAFT FACILITY AND PRELIMINARY DESIGN OF THE
REPOSITORY. THE DEPTH OF THE FOUNDATION BORINGS WILL BE
GENERALLY LESS THAN 46 METERS (150 FEET).

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02679

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1109

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GS-2 ENGINEERING
DESIGN BOREHOLES 1 AND 2

SUMMARY: THIS ACTIVITY RESULTS IN THE COLLECTION OF STRATIGRAPHIC AND
GEOTECHNICAL DATA AT EACH OF THE TWO EXPLORATORY SHAFT SITES
IN SUPPORT OF SHAFT DESIGN. THE EDBHS WILL BE SAMPLED
CONTINUOUSLY FROM GROUND SURFACE TO APPROXIMATELY 61 METERS
(200 FEET) BELOW THE REPOSITORY HORIZON.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: STUDY PLAN

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02584

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1120

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GS-1 ENGINEERING
DESIGN BOREHOLE (EDBH) SEISMIC SURVEYS

SUMMARY: FOUR SHORT REFRACTION SURVEYS, EACH ABOUT 0.8 KM (0.5 MI)
LONG, AND 2 REFLECTION LINES ABOUT 4 MILES LONG, WILL BE RUN
IN THE VICINITY OF THE ESF TO DETERMINE SHALLOW SEISMIC
VELOCITIES FOR ENGINEERING PURPOSES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02229

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HUME

50

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: LABORATORY SIMULATION OF HYDRAULIC FRACTURING STRESS
MEASUREMENTS IN SALT

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF HYDRAULIC FRACTURING
TESTS OF 15 CM (6 IN) DIAMETER CORE AND 30X30X46 CM (12X12X18
IN) BLOCKS OF AVERY ISLAND HALITE UNDER PRESSURES OF 6.9 AND
13.8 MPA. A TOTAL OF 54 TESTS WERE CONDUCTED (27 OF EACH
SAMPLE TYPE) INCLUDING ACOUSTIC MONITORING AT AMBIENT
TEMPERATURES.

PLANNED REVIEWS: LBL-INTERNAL, ONWI-INTERNAL, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: LAWRENCE BERKELEY LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/06/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01703

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HUMMELDORF 1011

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: NUMERICAL MODELING OF DEFORMATION IN SALT BASINS

SUMMARY: THIS REPORT DESCRIBES THE RESULTS OF A STUDY CARRIED OUT TO IDENTIFY AND QUANTIFY THE DOMINANT PHYSICAL MECHANISMS, AND THE MATERIAL PROPERTIES INFLUENCE, FOR THE DEFORMATION CHARACTERISTICS OF SALT FORMATION. NUMERICAL ANALYSES TECHNIQUES WERE USED AND THE PUBLISHED WORKS OF EARLIER INVESTIGATORS WERE REVIEWED, ALONG WITH CONVENTIONAL APPLICATIONS OF ONE-DIMENSIONAL, CLOSED-FORM SOLUTIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01479

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KUNTZ

368

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SURFACE INVESTIGATION PLAN (SIP)

SUMMARY: THE PRIMARY GOAL OF THIS DOCUMENT IS TO RELATE SCOPE AND PURPOSE OF SURFACE-BASED FIELD TASKS TO INFORMATION NEEDS USED TO RESOLVE SRP ISSUES AND REQUIREMENTS. IT WILL IDENTIFY THE ACTIVITIES AND SITE STUDY PLANS (SSPS) TO ACQUIRE THE NECESSARY INFORMATION AND SPECIFY THE RATIONALE FOR THE ACTIVITIES.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-17, PEER, GRG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: INVESTIGATION PLAN

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02827

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1119

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-9 SHALLOW
HYDRONEST TEST WELLS

SUMMARY: THE SHALLOW HYDRONESTS WILL BE CONSTRUCTED TO OBTAIN DATA
NECESSARY TO MODEL GROUND-WATER FLOW IN THE OGALLALA AND
DOCKUM UNITS AND TO COLLECT WATER QUALITY SAMPLES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02822

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1118

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-15 REPOSITORY
MONITORING WELLS

SUMMARY: IF THE SITE IS SELECTED FOR REPOSITORY CONSTRUCTION,
APPROXIMATELY 100 SURFACE WELLS WILL BE DRILLED TO A DEPTH OF
ABOUT 360 FEET AT LOCATIONS PROXIMATE TO THE REPOSITORY
FACILITIES. THE PURPOSE OF THESE WELLS IS TO MONITOR WATER
QUALITY AND WATER-LEVEL CHANGES IN THE VICINITY OF THE
REPOSITORY.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02818

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1113

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-4 EXPLORATORY
SHAFT FACILITY (ESF) MONITORING WELLS

SUMMARY: APPROXIMATELY 30 ESF MONITORING WELLS WILL BE INSTALLED PRIOR
TO SHAFT CONSTRUCTION TO MONITOR WATER QUALITY AND
WATER-LEVEL CHANGES IN THE VICINITY OF ENGINEERED STRUCTURES
SUCH AS MUCK AND SALT STORAGE PILES, REFUSE PITS, AND ON-SITE
RETENTION PONDS. THE WELLS WILL BE DRILLED TO A DEPTH OF
APPROXIMATELY 110 METERS (360 FEET).

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02815

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1122

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-10 AND GO-13
DEEP AQUIFER HYDRONEST TEST WELLS

SUMMARY: DATA REQUIRED TO PRECISELY DEFINE AND MODEL THE DEEP BASIN
SALINE GROUND WATER FLOW REGIME WILL BE COLLECTED AT FIVE
SITES IN THE VICINITY OF THE SITE. THREE OF THE FIVE (GO-10),
EACH CONTAINING THREE WELLS, WILL BE SELECTED THROUGH
ANALYSIS OF EXISTING DATA TO DETERMINE OPTIMUM LOCATIONS. THE
REMAINING SITES (GO-13) WILL BE SELECTED FOLLOWING AN
IN-DEPTH ANALYSIS OF DATA FROM THE FIRST THREE.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02717

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON 1111

BASIN: CANDIDATE SITE STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-1 SURFACE
GEOLOGIC MAPPING

SUMMARY: THE OBJECTIVES OF THIS ACTIVITY ARE TO PRODUCE SURFICIAL
GEOLOGIC MAPS OF THE SURFACE FACILITIES AREAS AND SITE ACCESS
ROUTES. DETAILED MAPS ARE REQUIRED FOR GRADING, SITE DRAINAGE,
AND ACCESS ROAD DESIGN. THIS ACTIVITY WILL ALSO PROVIDE
FUNDAMENTAL DATA REQUIRED TO CHARACTERIZE THE SITE AND TO
ASSESS MINERAL RESOURCE POTENTIAL.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02713

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1108

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-6 PLAYA
TRENCHING

SUMMARY: SHALLOW TRENCHES MAY BE EXCAVATED PROXIMATE TO BUT NOT WITHIN
THREE PLAYAS TO EXPLORE FOR NEAR-SURFACE EVIDENCE OF
FRACTURES IN CALICHE, AND FOR POSSIBLE CORRELATION WITH
SURFACE LINEAMENT TRENDS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02686

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON 1112

BASIN: CANDIDATE SITE STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-2 WATER
SUPPLY WELLS

SUMMARY: TWO WELLS WILL BE DRILLED AND DEVELOPED TO SUPPLY WATER. THE
WELLS WILL PENETRATE LESS THAN 244 METERS (800 FEET). TESTING
AND PUMPING DATA WILL BE ACQUIRED FOR MODELING OF THE UPPER
HYDROSTRATIGRAPHIC UNIT.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02685

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1115

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-8
STRATIGRAPHIC BOREHOLES

SUMMARY: FOUR BOREHOLES WILL BE DRILLED BEYOND THE PERIMETER OF THE
REPOSITORY TO INVESTIGATE THE STRATIGRAPHY AND GEOLOGIC
STRUCTURE OF ROCK SURROUNDING THE UNDERGROUND REPOSITORY
WORKINGS. DATA FROM THESE HOLES AND THE EDBHS WILL BE USED TO
DETERMINE THE LAYOUT AND DESIGN OF THE UNDERGROUND WORKINGS,
AND TO EVALUATE SITE SUITABILITY.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02599

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON 1116

BASIN: CANDIDATE SITE STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-11
THREE-DIMENSIONAL SEISMIC REFLECTION SURVEY

SUMMARY: A 3-D REFLECTION SURVEY WILL BE CONDUCTED ACROSS THE
NINE-SQUARE-MILE SITE AND EXTEND BEYOND THE EDGE BY
APPROXIMATELY 1/4 MILE. DATA FROM THIS SURVEY WILL AID IN
DEFINING SITE GEOLOGIC STRUCTURE INCLUDING FORMATION TOP
DEPTHS, FORMATION THICKNESS, AND CONTINUITY OF ROCK UNITS
ACROSS THE SITE.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02594

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1121

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-3 REGIONAL
SEISMIC REFLECTION/REFRACTION SURVEY

SUMMARY: COMMON DEPTH POINT (CDP) SEISMIC DATA WILL BE OBTAINED. THE
CDP DATA WILL BE USED TO EVALUATE SELECTED SUBSURFACE
STRUCTURAL FEATURES. APPROXIMATELY 155 LINE-MILES WILL BE
COMPLETED. HIGH-RESOLUTION SURVEYS MAY ALSO BE RUN OVER
PLAYAS AS PART OF OVERALL PLAYA INVESTIGATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02593

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1114

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-5
POTENTIAL-FIELD SURVEYS

SUMMARY: REGIONAL GRAVITY AND MAGNETIC DATA ARE BEING REVIEW. NEW
HIGH-RESOLUTION SURVEYS WILL BE RUN OVER THE SITE AND OTHER
SELECTED AREAS, IF IT IS DETERMINED THERE ARE DATA GAPS,
STRUCTURES, OR LATERAL DATA VARIATIONS WHICH REQUIRE
INVESTIGATION. ELECTRICAL SURVEYS MAY BE CONDUCTED TO
INVESTIGATE SHALLOW GEOLOGIC FEATURES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02591

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1117

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-12
MICROSEISMIC MONITORING NETWORK

SUMMARY: A CURRENTLY OPERATING MICROSEISMIC MONITORING NETWORK IS
COLLECTING DATA ON GROUND MOTION TO BE UTILIZED IN THE DESIGN
OF THE REPOSITORY SURFACE AND SUBSURFACE FACILITIES AND FOR
THE ASSESSMENT OF TECTONIC STABILITY.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01904

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1107

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-7 PLAYA
BORINGS

SUMMARY: A SERIES OF 27 SHALLOW EXPLORATION BOREHOLES WILL BE DRILLED
OVER THREE PLAYAS TO VARIOUS DEPTHS, SOME TO THE BASE OF THE
UPPER SEVEN RIVERS FORMATION SALT UNIT TO INVESTIGATE THE
POTENTIAL INFLUENCE OF SHALLOW SALT DISSOLUTION, AND OTHERS
TO THE BASE OF THE OGALLALA TO INVESTIGATE THE POSSIBILITY OF
CALICHE DISSOLUTION INFLUENCE ON PLAYA DEVELOPMENT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01903

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1106

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

**TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-14 REPOSITORY
SURFACE FACILITIES FOUNDATION BORINGS**

**SUMMARY: AN ESTIMATED 400 FOUNDATION BORINGS WILL BE DRILLED
PERIODICALLY THROUGHOUT SITE CHARACTERIZATION TO PROVIDE
SOIL/ROCK SAMPLES AND GEOTECHNICAL DATA NEEDED FOR DESIGN OF
THE REPOSITORY AND ACCESS AND UTILITY CORRIDORS. THE DEPTH OF
THE BORINGS WILLBE GENERALLY LESS THAN 150 FEET.**

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
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TRACKING NUMBER: 01902

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1105

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACED BASED GO-16 BOREHOLE
SEARCH AND CHARACTERIZATION

SUMMARY: A SEARCH FOR UNRECORDED OR ABANDONED WELLS ON THE SITE WILL
BE CONDUCTED. NO SUCH BOREHOLES ARE KNOWN OR THOUGHT TO
EXIST. HOWEVER, IF ANY SHOULD BE LOCATED, THEY WILL BE
REENTERED FOR TESTING AND EVALUATION PRIOR TO PROPER PLUGGING
AND ABANDONING.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
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TRACKING NUMBER: 01901

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - GEOLOGY (WBS 1.3.3.1.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: SWANSON

1104

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FIELD ACTIVITY SITE STUDY PLAN - SURFACE BASED GO-17
TRANSPORTATION BORINGS

SUMMARY: ACCESS CORRIDORS FROM THE TEXAS STATE BORDER TO THE SITE VICINITY MUST BE INVESTIGATED TO DETERMINE THE OPTIMUM TRANSPORTATION ROUTES. TO DETERMINE ROAD AND RAILROAD FOUNDATION CONDITIONS ALONG SELECTED PORTIONS OF THESE ROUTES OR CORRIDORS, FOUNDATION BORINGS WILL PROVIDE SAMPLES FOR ANALYSIS AND DATA ALLOWING THIS SELECTION.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: TBD

DELIVERABLE TYPE: STUDY PLAN

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01159

SUBJECT CATEGORY: WASTE PACKAGE PERFORMANCE ASSESSMENT (WBS
1.3.2.5.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: MCCAULEY

62

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: MODEL FOR CORROSION OF METAL BARRIER MATERIALS IN HIGH AND LOW
MAGNESIUM BRINES

SUMMARY: THIS TOPICAL REPORT DESCRIBES A MATHEMATICAL MODEL AND
ASSOCIATED COMPUTER CODE DEVELOPMENT REPRESENTING CORROSION
OF CONTAINER MATERIALS IN SALT.

PLANNED REVIEWS: PNL-INTERNAL,DOE/RL,ONWI-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01391

SUBJECT CATEGORY: WASTE PACKAGE PERFORMANCE ASSESSMENT (WBS 1.3.2.5)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: JANSEN

230

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPECTED WASTE PACKAGE PERFORMANCE FOR NUCLEAR WASTE
REPOSITORIES IN THREE SALT FORMATIONS

SUMMARY: THIS REPORT PRESENTS THE ANALYTICAL RESULTS OF USING NEAR
FIELD CONDITIONS TO PREDICT THE EXPECTED WASTE PACKAGE
LIFETIMES AND RADIOACTIVE RELEASES AT SEVEN POTENTIAL
REPOSITORY LOCATIONS IN THREE GEOLOGIC FORMATIONS. IT
PRESENTS A COMPARISON WITH 10 CFR PART 60 AND 40 CFR PART 191
PROMPTING THE CONCLUSIONS THAT ALL SEVEN SITES ARE WITHIN
REGULATORY REQUIREMENTS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01238

SUBJECT CATEGORY: WASTE PACKAGE PERFORMANCE ASSESSMENT (WBS 1.3.2.5)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: RAINES 153

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: VERIFICATION OF THE 2.00 WASTE PACKAGE PERFORMANCE ASSESSMENT
(WAPPA-B) CODE

SUMMARY: THIS REPORT WILL PROVIDE INITIAL DOCUMENTATION AND
VERIFICATION OF THE REVISED WAPPA CODE TO BE USED FOR WASTE
PACKAGE SYSTEM ANALYSES. THE WAPPA CODE WAS CORRECTED AND
REVISED TO PROVIDE GREATER FLEXIBILITY AND TO ACCOMODATE
GREATER DETAIL. AS AN EXAMPLE, THE UNLIMITED FLOW ASSUMPTION
WAS REMOVED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02483

SUBJECT CATEGORY: WASTE PACKAGE PERFORMANCE ASSESSMENT (WBS 1.3.2.5)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: HARPER

1098

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A WASTE PACKAGE PERFORMANCE ASSESSMENT (WAPPA) CODE WITH
AUTOMATED SENSITIVITY-CALCULATION CAPABILITY

SUMMARY: WAPPA-C IS A WASTE PACKAGE PERFORMANCE ASSESSMENT CODE THAT
PREDICTS THE TEMPORAL AND SPATIAL EXTENT OF THE LOSS OF
CONTAINMENT CAPABILITY OF A GIVEN WASTE PACKAGE DESIGN. THIS
CODE WAS ENHANCED BY THE ADDITION OF THE CAPABILITY TO
CALCULATE THE SENSITIVITY OF MODEL RESULTS TO ANY PARAMETER.
THE GRESS AUTOMATED PROCEDURE WAS USED TO DO THIS.

PLANNED REVIEWS: ORNL-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: OAK RIDGE NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/86

DELIVERABLE TYPE: COMPUTER CODE DOCUMENTATION

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 09/01/86

PUBLISHED REPORT NUMBER: ORNL/TM-9976

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01225

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CARR 281

BASIN: CANDIDATE SITE STATUS: WORK IS PLANNED

TITLE: WASTE PACKAGE LICENSE APPLICATION DESIGN FOR A REPOSITORY IN
SALT

SUMMARY: THIS REPORT WILL PRESENT THE WASTE PACKAGE FINAL DESIGNS FOR
THE CANDIDATE SALT SITE. THE DESIGNS WILL BE FOR SPENT FUEL,
DHLW AND OTHER WASTES DESIGNATED FOR DISPOSAL. THE LEVEL OF
DESIGN DETAIL WILL SUPPORT TITLE II REPOSITORY DESIGN, THE
CAA, AND THE PREPARATION OF PROCUREMENT SPECIFICATIONS FOR
REPOSITORY PACKAGE COMPONENTS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/01/89

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01224

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: RUTKAUSKAS 280

BASIN: CANDIDATE SITE STATUS: WORK IS PLANNED

TITLE: WASTE PACKAGE ADVANCE CONCEPTUAL DESIGN FOR A REPOSITORY IN SALT

SUMMARY: THIS REPORT WILL PRESENT THE SITE-SPECIFIC WASTE PACKAGE
DESIGNS FOR SPENT FUEL, DEFENSE AND OTHER WASTES IDENTIFIED
FOR DISPOSAL WHICH ARE INTENDED TO MEET REGULATORY
PERFORMANCE REQUIREMENTS. IT IS DONE IN SUPPORT OF TITLE I
REPOSITORY DESIGN AND SCP UPDATES.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02298

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1092

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: SHIELDING ANALYSIS OF THE HORIZONTAL AND VERTICAL EMPLACEMENT
CONCEPTS

SUMMARY: THIS REPORT DESCRIBES CALCULATION OF RADIATION DOSE RATES IN
THE VICINITY OF A CONSOLIDATED SPENT FUEL AND DEFENSE
HIGH-LEVEL WASTE PACKAGES. BOTH HORIZONTAL AND VERTICAL
EMPLACEMENT CONFIGURATIONS ARE CONSIDERED. MORSE, A MONTE
CARLO CODE, IS USED TO CALCULATE NEUTRON AND GAMMA TRANSPORT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: SCIENCE APPLICATIONS INTERNATIONAL CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: SYSTEMS STUDY REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01868

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

1068

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CONCEPTUAL DESIGNS FOR WASTE PACKAGES FOR HORIZONTAL OR
VERTICAL EMPLACEMENT IN A REPOSITORY IN SALT, FOR REFERENCE IN
THE SITE CHARACTERIZATION PLAN

SUMMARY: THIS REPORT DELINEATES THE MODIFICATIONS TO THE REFERENCE
WASTE PACKAGE FOR VERTICAL EMPLACEMENT TO INCLUDE THE OPTIONS
OF HORIZONTAL AND VERTICAL EMPLACEMENT, THE ADDITION OF A
PHASED REPOSITORY, AN ADDITIONAL WASTE FORM (INTACT SPENT
FUEL), AND NEW REPOSITORY DESIGN DATA. THIS WORK IS DONE IN
SUPPORT OF DEVELOPMENT OF A SITE CHARACTERIZATION PLAN FOR A
NUCLEAR WASTE REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: SAI, ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01888

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: MYERS 1081

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: COMPARISON OF RESULTS FOR TEN ANALYTICAL HEAT CONDUCTION
PROBLEMS AS SOLVED BY THE GENERAL HEAT TRANSFER CODE HEATING5

SUMMARY: THIS REPORT DOCUMENTS THE RESULTS OF THE VERIFICATION EFFORT
RECENTLY COMPLETED FOR THE GENERAL HEAT CONDUCTION CODE
HEATING5. THE OBJECTIVE OF THE STUDY WAS TO VERIFY HEATING5
FOR USE IN ESTIMATING THE TEMPERATURE DISTRIBUTION AROUND A
WASTE PACKAGE AFTER IT IS EMPLACED IN A REPOSITORY. IT DID
NOT ATTEMPT TO VERIFY THE CODE FOR PROBLEMS INVOLVING
CONVECTION, RADIATION, OR ANISOTROPIC THERMAL PROPERTIES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0646

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01890

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1083

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: VERIFICATION REPORT FOR HEATINGS FOR CONVECTIVE AND RADIATIVE
BOUNDARY CONDITIONS

SUMMARY: THIS REPORT DOCUMENTS THE RESULTS OF THE VERIFICATION EFFORT
FOR THE GENERAL HEAT TRANSFER PROGRAM HEATINGS. THIS CODE
SOLVES PROBLEMS INVOLVING HEAT TRANSFER BY CONVECTION OR
RADIATION, AND PROBLEMS WITH ANISOTROPIC THERMAL CONDUCTIVITY.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/26/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01679

SUBJECT CATEGORY: WASTE PACKAGE DESIGN, FABRICATION AND PROTOTYPE
TESTING (WBS 1.3.2.4)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CAVANAUGH 986

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: BUCKLING DESIGN CRITERIA FOR WASTE PACKAGE DISPOSAL CONTAINERS
IN MINED SALT REPOSITORIES

SUMMARY: THIS REPORT DOCUMENTS ANALYTICAL AND EXPERIMENTAL RESULTS
FROM A SURVEY OF THE TECHNICAL LITERATURE ON BUCKLING OF
THICK-WALLED CYLINDERS UNDER EXTERNAL PRESSURE. BASED UPON
THESE RESULTS, A LOAD FACTOR IS SUGGESTED FOR THE DESIGN OF
WASTE PACKAGE CONTAINERS FOR DISPOSAL OF HIGH-LEVEL
RADIOACTIVE WASTE IN MINED SALT REPOSITORIES. FORMULAS ARE
GIVEN FOR BUCKLING DESIGN UNDER AXISYMMETRIC CONDITIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: SWANSON ENGINEERING ASSOC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/30/86

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 11/26/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0597

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08000

SUBJECT CATEGORY: METAL BARRIERS (WBS 1.3.2.3.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: KIRCHER

1037

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: INVESTIGATION OF ANHYDRITE SCALE AS A CORROSION INHIBITOR

SUMMARY: TESTS WERE CONDUCTED TO DETERMINE IF ANHYDRITE COULD BE MADE TO FORM A SCALE ON A HEAT TRANSFER SURFACE EXPOSED TO AN ANHYDRITE-SATURATED SODIUM CHLORIDE BRINE UNDER CONDITIONS APPROXIMATING THOSE EXPECTED IN A NUCLEAR WASTE REPOSITORY; AND, IF SO, WHETHER THESE SCALES WOULD TEND TO INHIBIT CORROSION OF A MILD STEEL EXPOSED (AS THE HEAT TRANSFER SURFACE) TO THE BRINE ENVIRONMENT.

PLANNED REVIEWS: PNL TECHNICAL, PNL PEER, BENDIX TECHNICAL, BENDIX QA, DOE/SRPO

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01602

SUBJECT CATEGORY: METAL BARRIERS (WBS 1.3.2.3.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

408

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: MULTIFACTOR TEST DESIGN TO INVESTIGATE UNIFORM CORROSION OF
LOW-CARBON STEEL IN A NUCLEAR WASTE SALT REPOSITORY ENVIRONMENT

SUMMARY: A MULTI-DISCIPLINARY PANEL OF SEVEN SCIENTISTS AND ENGINEERS
HAVE RECOMMENDED A FULL FACTORIAL MATRIX OF 250 TESTS WITH
FOUR EXPERIMENTAL FACTORS: TIME, TEMPERATURE, OXYGEN FUGACITY,
AND MAGNESIUM CONCENTRATION TO INVESTIGATE UNIFORM CORROSION
OF LOW-CARBON STEEL IN A NUCLEAR WASTE SALT REPOSITORY
ENVIRONMENT.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-17, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: STUDY PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0642

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01599

SUBJECT CATEGORY: WASTE FORM (WBS 1.3.2.3.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

449

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ANNUAL REPORT - FY 1984: SPENT FUEL AND UO2 SOURCE TERM
EVALUATION RESULTS

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF SPENT FUEL TESTS
CONDUCTED AT PNL. STATIC LEACH TESTS WERE CONDUCTED TO
PROVIDE A SOURCE TERM TO BE USED FOR MODELING THE POTENTIAL
FOR RELEASE OF RADIONUCLIDES FROM THE REPOSITORY. THE
DISTRIBUTION OF RADIONUCLIDES AFTER RELEASE WAS ALSO
INVESTIGATED. LEACH TESTS ON UNIRRADIATED UO2 PELLETS WERE
CONDUCTED TO AID INTERPRETATION OF THE SPENT FUEL RESULTS.

PLANNED REVIEWS: PNL-INTERNAL, ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01686

SUBJECT CATEGORY: WASTE FORM (WBS 1.3.2.3.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: PERRIN

1005

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: CHEMICAL INTERACTIONS OF NUCLEAR WASTE FORMS WITH BRINES

SUMMARY: THIS REPORT SUMMARIZES A REVIEW OF LITERATURE AVAILABLE TO ASSESS THE CURRENT STATE OF KNOWLEDGE OF THE CHEMICAL FACTORS AFFECTING WASTE PACKAGE INTERACTIONS TESTS INVOLVING WASTE FORMS AND BRINES. THIS KNOWLEDGE IS CRITICAL TO THE EVALUATION AND MODELING OF THE MECHANISMS GOVERNING THE GEOCHEMICAL STABILITY OF NUCLEAR WASTE IN BRINES.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01135

SUBJECT CATEGORY: WASTE FORM (WBS 1.3.2.3.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: MOAK

225

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: WASTE PACKAGE MATERIALS TESTING FOR A SALT REPOSITORY: 1983
STATUS SUMMARY REPORT

SUMMARY: THIS REPORT PRESENTS THE LATEST MATERIALS TESTING DATA
AVAILABLE FOR USE IN WASTE PACKAGE DESIGN DEVELOPEMENT
ACTIVITIES. THE REPORT WILL DOCUMENT THE RESULTS AND ANALYSIS
OF THE MATERIALS TESTING EFFORTS IN THE FOLLOWING AREAS:
WASTE FORM COMPONENTS, STRUCTURAL/CORROSION COMPONENTS, AND
MATERIALS INTERACTION TESTING.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/20/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/25/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0583

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01668

SUBJECT CATEGORY: WASTE FORM (WBS 1.3.2.3.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: GOPAL

987

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A FEASIBILITY STUDY USING HYPOTHESIS TESTING TO DEMONSTRATE
CONTAINMENT OF RADIONUCLIDES WITHIN WASTE PACKAGES

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF USING STATISTICAL
HYPOTHESIS TESTING TO DEMONSTRATE THE PERFORMANCE OF
CONTAINERS OF RADIOACTIVE WASTE. THE APPROACH INVOLVES
MODELING THE FAILURE TIMES OF CONTAINERS USING WEIBULL
DISTRIBUTIONS AND MAKING STRONG ASSUMPTIONS ABOUT THE
PARAMETERS.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BATTELLE COLUMBUS DIVISION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/30/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 05/21/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0599

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01706

SUBJECT CATEGORY: WASTE FORM AND MATERIALS TESTING (WBS 1.3.2.3)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CAVANAUGH

1016

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: THE EFFECTS OF STABILIZERS ON THE HEAT TRANSFER CHARACTERISTICS
OF A NUCLEAR WASTE CANISTER

SUMMARY: THIS REPORT SUMMARIZES THE FEASIBILITY AND THE EFFECTIVENESS
OF USING STABILIZERS (INTERNAL METAL STRUCTURAL COMPONENTS)
TO AUGMENT THE HEAT TRANSFER CHARACTERISTICS OF A NUCLEAR
WASTE CANISTER. THE PROBLEM WAS MODELED AS A TRANSIENT 2-D
HEAT TRANSFER IN TWO PHYSICAL DOMAINS AND WAS SOLVED BY A
SIMULTANEOUS AND INTERRELATED NUMERICAL INVESTIGATION OF THE
TWO DOMAINS IN CARTESIAN AND POLAR COORDINATE SYSTEMS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: OHIO STATE UNIVERSITY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 09/05/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0612

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01604

SUBJECT CATEGORY: WASTE PACKAGE ENVIRONMENT (WBS 1.3.2.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CLARK 410

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: VERY ROUGH PRELIMINARY ESTIMATE OF THE SODIUM METAL COLLOID
INDUCED IN NATURAL ROCK SALT BY THE RADIATIONS FROM RADIOACTIVE
WASTE CANISTERS

SUMMARY: AN ANALYSIS OF SODIUM COLLOID PROCLUSION IN ROCK SALT AT DOSE
RATES OBTAINABLE WITH A HIGH-ENERGY ELECTRON ACCELERATOR IS
PRESENTED.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BROOKHAVEN NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01603

SUBJECT CATEGORY: WASTE PACKAGE ENVIRONMENT (WBS 1.3.2.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

409

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: FY 1984 ANNUAL REPORT ON WASTE PACKAGE ENVIRONMENT STUDIES

SUMMARY: TESTS WERE CONDUCTED BY PACIFIC NORTHWEST LABORATORY IN FY 1984 TO EXAMINE THE INFLUENCE OF HEAT AND RADIATION ON THE CHEMICAL ENVIRONMENT OF A HIGH-LEVEL NUCLEAR WASTE PACKAGE IN A REPOSITORY IN SALT AND TO DETERMINE THE SOLUBILITY OF KEY RADIONUCLIDES IN SITE-SPECIFIC BRINES.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01601

SUBJECT CATEGORY: WASTE PACKAGE ENVIRONMENT (WBS 1.3.2.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CLARK

450

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: RADIATION DAMAGE IN ROCK SALT FROM THE POTENTIAL RADIOACTIVE
WASTE REPOSITORY SITES AT PALO DURO, TX, GIBSON DOME, UT, AND
LOS MEDANOS, NM, FY 1894 INTERIM REPORT

SUMMARY: A SUMMARY OF THE OBSERVED RADIATION EFFECTS ON SALT FROM
THREE SALT DEPOSITS IS GIVEN FOR WORK PERFORMED AT BNL. ALL
OF THE EXPERIMENTS WERE PERFORMED IN A HIGH-ENERGY ELECTRON
ACCELERATOR AND, FOR THE DOSE RATES WHICH WERE UTILIZED IN
THESE EXPERIMENTS, THE RESULTS ARE IN ACCORD WITH PREVIOUS
ESTIMATES ON RADIATION-INDUCED COLLOID CONCENTRATION IN
NATURAL ROCK SALT.

PLANNED REVIEWS: BNL-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BROOKHAVEN NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01600

SUBJECT CATEGORY: WASTE PACKAGE ENVIRONMENT (WBS 1.3.2.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CLARK

407

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: THE ROLE OF 100 EDGE DISLOCATIONS IN NUCLEATING
RADIATION-INDUCED COLLOID PARTICLES IN SODIUM CHLORIDE

SUMMARY: THIS REPORT DESCRIBES AN ANALYSIS AS TO WHETHER THE MOBILE
100 EDGE DISLOCATIONS IN NaCl HAVE THE REQUISITE PROPERTIES
FOR NUCLEATING RADIATION-INDUCED COLLOID PARTICLES.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BROOKHAVEN NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01134

SUBJECT CATEGORY: WASTE PACKAGE ENVIRONMENT (WBS 1.3.2.2)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CLARK 30

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: RADIATION DAMAGE MEASUREMENTS ON ROCK SALT AND OTHER MINERALS
FOR WASTE DISPOSAL APPLICATIONS

SUMMARY: THIS REPORT PRESENTS THE PRELIMINARY AND INCOMPLETELY
INTERPRETED RESULTS FOR THE IRRADIATION OF SALT CRYSTALS FROM
GIBSON DOME, UTAH AND FROM PALO DURO, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BROOKHAVEN NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01597

SUBJECT CATEGORY: WASTE PACKAGE MANAGEMENT AND INTEGRATION (WBS
1.3.2.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CARR

406

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT - WASTE PACKAGE PROGRAM PLAN

SUMMARY: THIS DOCUMENT DESCRIBES THE STATUS AND PLANS FOR ACTIVITIES OF THE WASTE PACKAGE PROGRAM. SPECIFIC PLANS WILL BE DESCRIBED FOR THE FOLLOWING TOPICS: BRINE MIGRATION, BARRIER MATERIALS (CORROSION TESTING), WASTE FORMS, NEAR-FIELD ENVIRONMENT, MODELING, DESIGN AND PROTOTYPE TESTING. THE PLAN IDENTIFIES THE WASTE PACKAGE DATA NEEDS TO BE ADDRESSED IN THE SITE CHARACTERIZATION PROGRAM.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-17, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01335

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KIRCHER

265

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PERFORMANCE ASSESSMENT PLAN - FY 1987

SUMMARY: PLANS FOR PERFORMANCE ASSESSMENT ACTIVITIES NEED TO SUPPORT PROGRAM REQUIREMENTS, ESPECIALLY LICENSE APPLICATIONS AND NEPA DOCUMENTS. THIS PLAN INCLUDES INFORMATION ON CURRENT STATUS, PLANNED DEVELOPMENT, PLANNED APPLICATIONS, VALIDATION AND VERIFICATION, AND STRATEGY FOR LICENSING ISSUE RESOLUTION.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,QAD,PEER,PACG,ANL PEER,DOE/HQ,
DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01875

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER

1066

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: GEOSTATISTICAL ANALYSIS OF POTENTIOMETRIC DATA IN THE
PENNSYLVANIAN AQUIFER OF THE PALO DURO BASIN

SUMMARY: THIS REPORT DETAILS A GEOSTATISTICAL ANALYSIS OF
POTENTIOMETRIC DATA FROM THE PENNSYLVANIAN AQUIFER IN THE
PERMIAN BASIN. SUCH AN ANALYSIS IS A PART OF AN OVERALL
UNCERTAINTY ANALYSIS FOR A HIGH LEVEL WASTE REPOSITORY IN
SALT. THE ANALYSIS IS RESTRICTED TO THAT PORTION OF THE
AQUIFER WHICH LIES TO THE SOUTHWEST OF THE AMARILLO UPLIFT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01803

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1099

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SIMULATION METHODS IN OCCUPATIONAL IMPACT ANALYSES TO SUPPORT
THE PRECLOSURE PERFORMANCE ASSESSMENT REVIEW OF THE FLUOR
TECHNOLOGY INC. SITE CHARACTERIZATION PLAN CONCEPTUAL DESIGN
REPORT

SUMMARY: THIS DOCUMENT FOCUSES ON THE APPLICATION OF A COMPUTER
SIMULATION MODEL OF A NUCLEAR WASTE REPOSITORY IN ESTIMATING
CRITICAL INPUT PARAMETERS REQUIRED FOR ASSESSING OCCUPATIONAL
DOSE. THIS MODEL USED WAS SIMREP 1.1 AND THE OPERATIONS
MODELLED WERE BASED ON FLUOR'S CONCEPTUAL DESIGN REPORT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01802

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1103

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: RADIONUCLIDE RELEASE SCENARIOS AND SOURCE TERMS TO SUPPORT THE
PRECLOSURE PERFORMANCE ASSESSMENT OF THE FLUOR TECHNOLOGY INC.
SITE CHARACTERIZATION PLAN CONCEPTUAL DESIGN REPORT

SUMMARY: THE PURPOSE OF THE REPORT IS TO PRESENT THE PROCEDURES AND
METHODS USED TO DEVISE ACCIDENT CONDITIONS AND ANTICIPATED
OCCURENCES AND TO ESTIMATE THE QUANTITIES OF RADIONUCLIDES
THAT MIGHT BE RELEASED UNDER THESE CONDITIONS. THE WASTE
HANDLING PROCESSES AND EQUIPMENT DESCRIBED IN THE CDR ARE THE
BASIS FOR THIS DEVELOPMENT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01789

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE 1102

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: RADIONUCLIDE INVENTORY AND RADIATION SHIELDING CALCULATIONS TO
SUPPORT THE PRECLOSURE PERFORMANCE ASSESSMENT REVIEW OF THE
FLUOR TECHNOLOGY INC. SITE CHARACTERIZATION PLAN CONCEPTUAL
DESIGN REPORT

SUMMARY: THE SUBJECT COVERED BY THIS REPORT DESCRIBE AN ASSESSMENT OF
THE RADIONUCLIDE INVENTORY, RADIATION SHIELDING, AND
RADIATION DOSE RATE ASPECTS OF THE SCP CONCEPTUAL DESIGN.
THIS REPORT PRESENTS A COMPLETE LIST OF ALL DATA, ASSUMPTIONS,
AND ANALYTICAL METHODS USED, PERMITTING THE READER TO
OBJECTIVELY INTERPRET THE RESULTS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01788

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1101

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: OCCUPATIONAL IMPACT ANALYSES TO SUPPORT THE PRECLOSURE
PERFORMANCE ASSESSMENT REVIEW OF THE FLUOR TECHNOLOGY INC. SITE
CHARACTERIZATION PLAN CONCEPTUAL DESIGN REPORT

SUMMARY: THE PURPOSE OF THE REPORT IS TO PROVIDE DATA, ASSESSMENTS,
AND RESULTS OF THE OCCUPATIONAL RADIOLOGICAL DOSE ANALYSES TO
SUPPORT THE PRECLOSURE PERFORMANCE ASSESSMENT REVIEW OF THE
CONCEPTUAL DESIGN PRESENTED IN FLUOR'S DESIGN REPORT. NORMAL
OPERATIONS AND ACCIDENT CONDITIONS DURING THE PRECLOSURE
OPERATIONAL PHASE WERE ASSESSED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01784

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE 1100

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: OFFSITE IMPACT ANALYSES TO SUPPORT THE PRECLOSURE PERFORMANCE
ASSESSMENT REVIEW OF THE FLUOR TECHNOLOGY INC. SITE
CHARACTERIZATION PLAN CONCEPTUAL DESIGN REPORT

SUMMARY: THIS REPORT PRESENTS THE METHODS, ASSESSMENT PARAMETERS, AND
ASSUMPTIONS MADE FOR THE OFFSITE IMPACT ANALYSIS. IT ALLOWS
THE READER TO INTERPRET ANY RESULTS REPORTED HERE BASED ON
THE ANALYSIS DETAILS. IN SOME CASES, SOME ASSESSMENT
PARAMETERS USED IN THE ANALYSIS ARE FROM SOURCES OTHER THAN
THE CONCEPTUAL DESIGN REPORT. THESE EXTRA DATA ARE NEEDED TO
SUPPLEMENT DEFICIENCIES IN THE DESIGN AS PRESENTED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01702

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER 1009

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: DATA NEEDS IDENTIFICATION BASED ON PROPAGATION OF SENSITIVITIES
THROUGH LINKED PERFORMANCE ASSESSMENT CODES

SUMMARY: THIS REPORT PROVIDES A PRIORITIZED LIST OF DATA NEEDS BASED
ON A THOROUGH FIRST ORDER SENSITIVITY ANALYSIS OF THREE
LINKED CODES: TEMP, WAPPA-C, AND UCBNE10.2. GRESS WILL BE
APPLIED TO ALL 3 CODES INDIVIDUALLY AND THE RESULTING PARTIAL
DERIVATIVES LINKED TOGETHER TO PROVIDE SYSTEM SENSITIVITIES
FOR SEVERAL GLOBAL PERFORMANCE MEASURES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: OAK RIDGE NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02300

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: GUPTA 631

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: REPORT OF HYDROCOIN LEVEL 1: BENCHMARKING AND VERIFICATION TEST
RESULTS WITH CFEST CODE

SUMMARY: ON BEHALF OF THE U.S. DOE SRP, ONWI IS PARTICIPATING IN THE
HYDROCOIN PROJECT. PNL IS ASSISTING ONWI IN THE DEVELOPMENT
AND ANALYSIS OF GROUND-WATER HYDROLOGY BENCHMARK PROBLEMS
KNOWN AS HYDROCOIN LEVEL 1. THE PRIMARY OBJECTIVE OF LEVEL 1
IS TO CHECK THE NUMERICAL ACCURACY OF COMPUTER CODES USED BY
THE PARTICIPANTS. THE CODES USED BY ONWI FOR THIS ARE CFEST
AND FE3DGW.

PLANNED REVIEWS: ONWI-INTERNAL, SATD, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01857

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1064

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: PRECLOSURE PERFORMANCE ASSESSMENT REVIEW OF THE FLUOR
TECHNOLOGY INC. SITE CHARACTERIZATION PLAN CONCEPTUAL DESIGN
REPORT

SUMMARY: THIS REPORT PRESENTS AN OVERVIEW OF THE PRECLOSURE
PERFORMANCE ASSESSMENT REVIEW OF FLUOR'S SITE
CHARACTERIZATION PLAN CONCEPTUAL DESIGN REPORT. ONE OBJECTIVE
IS TO ANALYZE THE DESIGN PRESENTED IN THE SCP-CD AND THE
OTHER IS TO TEST SAFETY ASSESSMENT METHODS AND TOOLS. IT
CONTAINS A SUMMARY OF THE ANALYSES IN FOUR SUBJECT AREAS.
ANALYSIS DETAILS ARE DOCUMENTED IN FIVE BACKUP REPORTS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01790

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: GUPTA

1054

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: COUPLED FLOW, ENERGY, AND SOLUTE TRANSPORT (CFEST) MODEL:
FORMULATION, COMPUTER SOURCE LISTINGS, AND USER'S MANUAL

SUMMARY: THE CFEST CODE HAS BEEN DEVELOPED TO ANALYZE COUPLED
HYDROLOGIC, THERMAL, AND SOLUTE TRANSPORT PROCESSES. THIS
REPORT INCLUDES GOVERNING PARTIAL DIFFERENTIAL EQUATIONS,
FINITE ELEMENT FORMULATION, A USER'S MANUAL, VERIFICATION
TEST EXAMPLES, SAMPLE PROBLEMS, AND A SOURCE LISTING.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI,PNL

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01392

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER

285

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: GRASP (GROUND-WATER ADJOINT SENSITIVITY PROGRAM) A COMPUTER
CODE TO PERFORM POST-SWENT ADJOINT SENSITIVITY ANALYSIS OF
STEADY-STATE GROUND-WATER FLOW

SUMMARY: THIS DOCUMENT IS BOTH THE USERS GUIDE TO GRASP AND A SOURCE
FOR THE THEORETICAL DEVELOPMENT OF THE ADJOINT EQUATIONS FOR
STEADY-STATE GROUND-WATER FLOW.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, PEER, PACG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/24/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0625

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01477

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: GUPTA

146

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: PRELIMINARY ANALYSES OF SCENARIOS FOR POTENTIAL HUMAN
INTERFERENCE FOR REPOSITORIES IN THREE SALT FORMATIONS

SUMMARY: PRELIMINARY ANALYSES OF SCENARIOS FOR HUMAN INTERFERENCE WITH
THE PERFORMANCE OF A RADIOACTIVE WASTE REPOSITORY ARE
PRESENTED. THREE SCENARIOS ARE ANALYZED: 1) THE U-TUBE
CONNECTION; 2) THE SINGLE BOREHOLE INTRUSION; AND 3) THE
PRESSURE RELEASE. THE METHODOLOGY TO EVALUATE PERFORMANCE IN
THESE SCENARIOS IS DESCRIBED AND APPLIED TO REFERENCE SYSTEMS
IN THREE CANDIDATE FORMATIONS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 07/23/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0553

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01591

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: RAINES

981

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: FOREIGN TRIP REPORT: INTERNATIONAL NUCLIDE TRANSPORT CODE
INTERCOMPARISON STUDY (INTRACON) WORKSHOP AND COORDINATING
COMMITTEE MEETING

SUMMARY: THIS REPORT PRESENTS THE ACCOUNTS OF THE INTRACON WORKSHOP
HELD IN INTERLAKEN, SWITZERLAND ON FEBRUARY 15-20, 1982. THE
WORKSHOP PROVIDED MATERIAL WITH WHICH TO BENCHMARK CODES AND
DEMONSTRATED A WIDE VARIETY OF CAPABILITIES FOR SEVERAL TYPES
OF TRANSPORT PROBLEMS IN RADIONUCLIDE MIGRATIONS ALONG WITH
LECTURES AND PRESENTATIONS ABOUT TRANSPORT PROBLEMS AND
SOLUTIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/15/86

DELIVERABLE TYPE: TRIP REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/21/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0586

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01345

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER 12

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: AUTOMATED SENSITIVITY ANALYSIS USING THE GRESS LANGUAGE

SUMMARY: THIS REPORT DOCUMENTS THE MATHEMATICS INVOLVED WITH
ADJOINTING THE 3-DIMENSIONAL FINITE DIFFERENCE COMPUTER CODE
SWENT.

PLANNED REVIEWS: ORNL-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: OAK RIDGE NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/85

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 04/30/86

PUBLISHED REPORT NUMBER: ORNL/TM-6148

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01302

SUBJECT CATEGORY: TECHNICAL DATA BASE MANAGEMENT (WBS 1.3.1.3)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: LINEBAUGH

216

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: TECHNICAL DATA MANAGEMENT SYSTEM (TDMS) HANDBOOK

SUMMARY: THIS IS A SUMMARY OF KEY DATA APPLICABLE TO ALL TECHNICAL ASPECTS OF THE SALT REPOSITORY. ALL ENTRIES ARE TRACEABLE TO SOURCE DOCUMENTS AND KEY TECHNICAL PERSONNEL. BASELINE AND REVISED ITEMS ARE CLEARLY INDICATED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/01/88

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01194

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: GAHIMER 300

BASIN: CANDIDATE SITE STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT REQUIREMENTS DOCUMENT (SRP-RD)

SUMMARY: THE SRP-RD PRESENTS THE FUNCTIONAL REQUIREMENTS FOR THE SRP MINED GEOLOGIC DISPOSAL SYSTEM (MGDS) AND MGDS INTERFACES. THIS DOCUMENT IS THE SRP FOLLOW-ON DOCUMENT TO THE DOE-HQ BASELINED GENERIC REQUIREMENTS DOCUMENT (DOE/NE/44301-1). THIS DOCUMENT SUBSUMES THE SRP SYSTEMS REQUIREMENTS SPECIFICATION (SRS) PLANNED DOCUMENT.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, PEER, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: SISC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/15/87

DELIVERABLE TYPE: SRP REQUIREMENTS DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01876

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: WILLIAMS

RESPONSIBLE MANAGER: DOMAN

1065

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: TRANSPORTATION SYSTEM - REPOSITORY RECEIVING FACILITY INTERFACE
REQUIREMENTS

SUMMARY: THIS DOCUMENT DESCRIBES DESIGN OBJECTIVES AND FUNCTIONAL
REQUIREMENTS FOR THE TRANSPORTATION SYSTEM - REPOSITORY
RECEIVING FACILITY INTERFACE. IT GIVES FUNCTIONAL
REQUIREMENTS, PERFORMANCE CRITERIA, AND CONSTRAINTS AND
DESCRIBES THE RATIONALE FOR THESE REQUIREMENTS. IF
ALTERNATIVE METHODS EXIST FOR ACCOMPLISHING THE INTERFACE,
CHARACTERISTICS, ADVANTAGES, AND DISADVANTAGES ARE DISCUSSED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BATTELLE COLUMBUS DIVISION,ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/13/87

DELIVERABLE TYPE: SYSTEMS STUDY REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01895

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: WILLIAMS

RESPONSIBLE MANAGER: FISHER 1085

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT TRANSPORTATION PROGRAM PLAN

SUMMARY: THIS REPORT IS A COMPREHENSIVE SRP TRANSPORTATION PROGRAM PLAN, AND, FOLLOWING SEMP GUIDELINES, IS A STAND-ALONE DOCUMENT ENCOMPASSING THE ORGANIZATION AND IMPLEMENTATION OF ALL SRP TRANSPORTATION, AND TRANSPORTATION-RELATED ACTIVITIES, ACROSS ALL INVOLVED WBS ELEMENTS. IT IS FOR PUBLIC INFORMATION AND FOR GUIDANCE TO THE PROJECT STAFF.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01854

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1063

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SIMREP 1.1 - A SIMULATION MODEL FOR REPOSITORY OPERATIONS

SUMMARY: THIS DOCUMENT SERVES AS A USER GUIDE DESCRIBING THE USE OF
SIMREP 1.1 , A COMPUTER SIMULATION OF REPOSITORY OPERATIONS.
IT CONTAINS A BRIEF DESCRIPTION OF REPOSITORY OPERATIONS
CAPTURED IN THE MODEL AND DETAILED INSTRUCTIONS IN THE USE OF
THE REQUIRED INPUT DATA FILES. SAMPLE INPUT AND OUTPUT FILES
ARE PROVIDED IN APPENDICES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01765

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE 1131

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: VERIFICATION REPORT FOR SIMREP 1.1

SUMMARY: THE VERIFICATION METHODS AND RESULTS FOR SIMREP 1.1 ARE DESCRIBED IN THIS REPORT. SIMREP 1.1 IS A DISCRETE EVENT COMPUTER SIMULATION OF REPOSITORY OPERATIONS IN THE SURFACE WASTE-HANDLING FACILITY. THE LOGIC FOR THIS MODEL IS PROVIDED BY FLUOR TECHNOLOGY, INC., THE ARCHITECT/ENGINEER OF THE SALT REPOSITORY. SIMREP 1.1 PERFORMS IN THE REQUIRED MANNER UNDER THE GIVEN RANGE OF INPUT CONDITIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0647

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01701

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: WADDELL

1008

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT STRATEGY DOCUMENT (SRP-SD)

SUMMARY: THE SRP-SD PRESENTS THE STRATEGY STATEMENTS WHICH CORRELATE
TO THE FUNCTIONAL REQUIREMENTS STATEMENTS IN THE SRP
REQUIREMENTS DOCUMENT (SRP-RD).

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/HQ,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: SRP STRATEGY DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01195

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: FISHER 299

BASIN: CANDIDATE SITE STATUS: WORK IN PROGRESS

TITLE: MINED GEOLOGIC DISPOSAL SYSTEM (MGDS) DESCRIPTION DOCUMENT
(SRP-SDD)

SUMMARY: THE SRP-SDD PRESENTS A DESCRIPTION OF THE SALT MINED GEOLOGIC DISPOSAL SYSTEM FOR THE SELECTED SITE. THE SRP-SDD WILL BE A BASELINED DOCUMENT WHICH WILL REFLECT THE CURRENT STAGE OF DESIGN. IT IS INTENDED TO FULFILL THE SYSTEM ENGINEERING MANAGEMENT PLAN (SEMP) REQUIREMENT FOR A DESCRIPTION DOCUMENT ABOUT THE MGDS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, PEER, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: SYSTEM DESIGN DESCRIPTION

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01897

SUBJECT CATEGORY: SYSTEMS MANAGEMENT AND INTEGRATION (WBS 1.3.1.1)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WADDELL

1090

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PERFORMANCE ALLOCATION REPORT

SUMMARY: THIS REPORT PRESENTS THE PURPOSE AND RATIONALE FOR PERFORMANCE ALLOCATION. IT DESCRIBES THE STEPS IN THE PERFORMANCE ALLOCATION PROCESS, INCLUDING: SELECTION OF PERFORMANCE OBJECTIVES AND AN MGDS STRUCTURE; IDENTIFICATION OF THE MGDS COMPONENT FUNCTIONS AND THE IMPORTANCE OF EACH; DEFINITION OF PERFORMANCE MEASURES AND PARAMETERS; AND ASSIGNMENT OF GOAL VALUES AND EXISTING VALUES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: PROJECT STRATEGY

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01156

SUBJECT CATEGORY: SYSTEMS MANAGEMENT AND INTEGRATION (WBS 1.3.1.1)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: GAHIMER 305

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: SYSTEMS ENGINEERING MANAGEMENT PLAN OF THE SALT REPOSITORY
PROJECT (SRP-SEMP)

SUMMARY: THE SRP-SEMP PRESENTS THE PLAN FOR USING SYSTEMS ENGINEERING
IN CONDUCTING AND MANAGING THE TECHNICAL WORK OF THE SRP. THE
STRATEGY FOR CONDUCTING SYSTEMS ENGINEERING ON THE SRP, AS
WELL AS THE MANAGEMENT TOOLS THAT ARE USED TO IMPLEMENT THE
PROCESS, ARE DESCRIBED. THE SEMP ALSO DESIGNATES WHO IN THE
PROJECT ORGANIZATION WILL BE RESPONSIBLE FOR CARRYING OUT THE
ACTIVITIES.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/HQ,DOE/SRPO,PRIME CONTRACTORS,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/15/86

DELIVERABLE TYPE: PROJECT POLICY DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 10/24/86

PUBLISHED REPORT NUMBER: DOE/CH-21

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01164

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SOCIOECONOMIC (WBS
1.3.3.1.7)

DOE CONTACT PERSON: DARROUGH

RESPONSIBLE MANAGER: GRAY

56

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SEARS MODEL VALIDATION AND VERIFICATION REPORT

SUMMARY: THIS IS A REPORT ON THE VALIDATION AND VERIFICATION OF THE
SOCIOECONOMIC ASSESSMENT OF THE REPOSITORY SITING MODEL.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TX AGRICULTURAL EXPERIMENT STATION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01149

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SOCIOECONOMIC (WBS
1.3.3.1.7)

DOE CONTACT PERSON: DARROUGH

RESPONSIBLE MANAGER: GRAY

78

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SOCIOECONOMIC ANALYSIS OF REPOSITORY SITING MODEL - GUIDE TO
DATA BASE PREPARATION

SUMMARY: THIS REPORT IS A GUIDE TO THE PREPARATION OF DATA FOR
ADAPTING THE SOCIOECONOMIC ASSESSMENT OF THE REPOSITORY
SITING MODEL TO ANY GIVEN SOCIOECONOMIC AREA OR REGION.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,PEER,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TX AGRICULTURAL EXPERIMENT STATION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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505 KING AVENUE
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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01150

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SOCIOECONOMIC (WBS
1.3.3.1.7)

DOE CONTACT PERSON: DARROUGH

RESPONSIBLE MANAGER: GRAY

73

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SOCIOECONOMIC ANALYSIS OF REPOSITORY SITING MODEL - TECHNICAL
DOCUMENTATION REPORT

SUMMARY: THIS REPORT PRESENTS A PRINTED COPY OF THE COMPUTER CODES FOR
THE SOCIOECONOMIC ASSESSMENT OF THE REPOSITORY SITING (SEARS)
MODEL.

PLANNED REVIEWS: ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TX AGRICULTURAL EXPERIMENT STATION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01163

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SOCIOECONOMIC (WBS
1.3.3.1.7)

DOE CONTACT PERSON: DARROUGH

RESPONSIBLE MANAGER: HINES

55

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SOCIAL ASSESSMENT METHODS RECOMMENDATION REPORT

SUMMARY: REPORT IDENTIFIES APPROACHES TO EVALUATING SOCIAL/SPECIAL
EFFECTS OF A REPOSITORY. THE APPROACHES INCLUDE SURVEYS,
COMMUNITY STRUCTURE ANALYSIS, AND PARTICIPANT OBSERVATION
ANALYSIS.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01671

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SITE PERFORMANCE
ASSESSMENT (WBS 1.3.3.1.8)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: MCNULTY

985

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPECTED RADIONUCLIDE TRANSPORT PERFORMANCE FOR NUCLEAR WASTE
REPOSITORIES AT POTENTIAL SALT SITES

SUMMARY: THIS REPORT DESCRIBES THE EXPECTED RADIONUCLIDE TRANSPORT
RESPONSE DUE TO EMPLACEMENT OF NUCLEAR WASTE IN POTENTIAL
SALT SITES IN DEAF SMITH AND SWISHER COUNTIES OF TEXAS, DAVIS
AND LAVENDER CANYONS IN UTAH, AND RICHTON, VACHERIE AND
CYPRESS CREEK SALT DOMES IN THE GULF INTERIOR REGION.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01677

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SITE PERFORMANCE
ASSESSMENT (WBS 1.3.3.1.8)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

988

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PTRACK: A PARTICLE TRACKING PROGRAM FOR EVALUATING TRAVEL
PATH/TRAVEL TIME UNCERTAINTIES

SUMMARY: PTRACK IS A MODEL WHICH TRACKS THE PATH OF A RADIONUCLIDE
RELEASED FROM A NUCLEAR WASTE REPOSITORY INTO A GROUND-WATER
FLOW SYSTEM IN A TWO-DIMENSIONAL REPRESENTATION OF A
STRATIFIED GEOLOGIC MEDIUM. THIS REPORT DESCRIBES THE
MATHEMATICAL BASIS FOR THE MODEL, THE ALGORITHMS AND SOLUTION
TECHNIQUES USED, AND THE COMPUTER CODE DESIGN. IT ALSO
CONTAINS A USER'S MANUAL.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01678

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SITE PERFORMANCE
ASSESSMENT (WBS 1.3.3.1.8)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

989

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: TRAVEL PATH/TRAVEL TIME UNCERTAINTIES AT SALT SITES PROPOSED
FOR HIGH-LEVEL WASTE REPOSITORIES

SUMMARY: THIS DOCUMENT DETAILS THE TRAVEL TIME UNCERTAINTY AT THE
SEVEN PROPOSED SALT SITES. THE APPROACH TAKEN TO QUANTIFY
THIS UNCERTAINTY IS TO SAMPLE FROM THE DISTRIBUTION OF
HYDROGEOLOGIC PARAMETERS (USING LATIN HYPERCUBE SAMPLING) AND
TO CONDUCT MULTIPLE CALCULATIONS OF THE EXPECTED GROUND-WATER
TRAVEL PATH AND TRAVEL TIME. THE CODE USED TO GENERATE THE
TRAVEL TIME DISTRIBUTION IS CALLED PTRACK.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01308

SUBJECT CATEGORY: GENERIC SITE ACTIVITY - SITE PERFORMANCE
ASSESSMENT (WBS 1.3.3.1.8)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

222

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY PETROLOGICAL AND GEOCHEMICAL RESULTS FROM THE
SALTON SEA GEOTHERMAL FIELD, CALIFORNIA: A NEAR-FIELD ANALOG OF
A RADIOACTIVE WASTE REPOSITORY IN SALT

SUMMARY: THIS REPORT WILL BE A FOLLOW UP TO ONWI-513. MINERALOGICAL
AND GEOCHEMICAL DATA WILL TRACK THE MOVEMENT OF URANIUM AND
THORIUM BETWEEN THE HEATED BRINES AND THE LOST ROCK IN WHICH
THE BRINES ARE LOCATED IN THE SALTON SEA GEOTHERMAL FIELD.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: UNIVERSITY OF CALIFORNIA - RIVERSIDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01476

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

372

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT DISSOLUTION AND COLLAPSE AT THE WINK SINK IN WEST TEXAS

SUMMARY: THIS REPORT DESCRIBES THE PROBABLE CAUSE OF THE WINK SINK, A COLLAPSE FEATURE THAT FORMED IN JUNE 1980 WHEN AN UNDERGROUND DISSOLUTION CAVITY MIGRATED UPWARD BY SUCCESSIVE ROOF FAILURES UNTIL IT FINALLY BREACHED THE LAND SURFACE.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: K. S. JOHNSON

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/27/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0598

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01484

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

373

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: FIELD TEST ACTIVITIES REPORT, BLACK NO. 1, DEAF SMITH COUNTY
TEXAS: UNANALYZED DATA

SUMMARY: THE PURPOSE OF THIS REPORT IS TO SUMMARIZE THE FIELD
ACTIVITIES, TO AID IN DATA INTERPRETATION, AND TO DESCRIBE
THE DISPOSITION OF THE ACQUIRED DATA.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/86

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 09/05/86

PUBLISHED REPORT NUMBER: BMI/SRP-5037

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01570

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

416

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: INTERPRETATION OF SEISMIC REFLECTION DATA, CENTRAL PALO DURO
BASIN

SUMMARY: SEISMIC REFLECTION DATA FROM THE CENTRAL PALO DURO BASIN,
TEXAS, WERE STUDIED TO IDENTIFY AND CHARACTERIZE GEOLOGIC
STRUCTURE, POTENTIAL HYDROCARBON TRAPS, AND ANOMALIES
SUGGESTING ADVERSE FEATURES SUCH AS SALT DISSOLUTION OR
DIAPIRISM. THESE DATA COMPRISED APPROXIMATELY 590 LINE-MI OF
SEISMIC PROFILES OVER APPROXIMATELY 4000 SQUARE MILES, PLUS
WELL LOGS FROM 308 WELLS.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: G. J. LONG AND ASSOCIATES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/15/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/03/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0596

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01589

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

412

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: LABORATORY TESTING OF ROCK SAMPLES FOR THE DETERMINATION OF
CLAY MINERALOGY FROM THE HOLTZCLAW NO. 1 (PD-10) WELL, PALO
DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT CONTAINS THE TYPE AND ABUNDANCE OF CLAY MINERALS
DETERMINED FOR ROCK SAMPLES FROM THE HOLTZCLAW NO. 1 (PD-10)
WELL - PALO DURO BASIN, TEXAS. THESE DATA ARE PRELIMINARY AND
HAVE BEEN NEITHER ANALYZED NOR EVALUATED.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/27/87

PUBLISHED REPORT NUMBER: BMI/SRP-5042

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04/87

SALT REPOSITORY PROJECT

REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02228

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: KARAKOUZIAN

32

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: THERMAL PROPERTIES OF PERMIAN BASIN EVAPORITES TO 493 K
TEMPERATURE AND 30 MPA CONFINING PRESSURE

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF THERMAL CONDUCTIVITY,
DIFFUSIVITY AND EXPANSION TESTS ON TWO SPECIMENS EACH OF
ANHYDRITE AND DOLOMITE FROM THE PERMIAN BASIN BORING J.
FRIEMEL NO. 1 AT TEMPERATURES FROM 22-85 C AND PRESSURES 3-30
MPA.

PLANNED REVIEWS: LLNL-INTERNAL, ONWI-INTERNAL, REGD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: LAWRENCE LIVERMORE NATIONAL LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/27/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0633

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01711

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KUNTZ

1019

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: PETROLEUM POTENTIAL OF TWO SALT SITES IN DEAF SMITH AND SWISHER
COUNTIES, TEXAS PANHANDLE

SUMMARY: THIS IS THE THIRD IN A SERIES OF REGIONAL GEOLOGIC STUDIES TO
ASSESS THE PETROLEUM RESOURCES OF TWO POTENTIALLY ACCEPTABLE
SITES UNDER STUDY FOR A NUCLEAR WASTE REPOSITORY. SITE 1 IS
IN DEAF SMITH COUNTY, AND SITE 2 IS IN SWISHER COUNTY. THE
RESULTS OF THIS STUDY CONCLUDE THAT SITE 1 IS CLEARLY
PREFERABLE FOR THE LOCATION OF THE PROPOSED REPOSITORY.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 01/30/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0621

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01666

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

982

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DENSITY AND POROSITY TESTING ON ROCK CORE SAMPLES FROM J.
FRIEMEL NO. 1 (PD-9) WELL, PALO DURO BASIN, TEXAS: UNANALYZED
DATA

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF LABORATORY TESTING
PERFORMED ON ROCK CORE SAMPLES FROM THE J. FRIEMEL NO. 1
WELL. LABORATORY SPECIMENS WERE TESTED FOR WATER CONTENT,
DENSITY (WET, DRY, APPARENT, AND GRAIN), AND POROSITY
(EFFECTIVE AND TOTAL). SPECIMEN DESCRIPTIONS INCLUDING DEPTH,
FORMATION, AND LITHOLOGIC DESCRIPTION ARE INCLUDED IN THE
APPENDIX.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/10/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02044

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

343

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LABORATORY TESTING ON ROCK CORE SAMPLES FROM HOLTZCLAW NO. 1
(PD-10) WELL, PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT DESCRIBES THE LABORATORY TESTING PROGRAM FOR THE
HOLTZCLAW NO. 1 WELL IN THE PALO DURO BASIN, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/10/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01306

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: OSCHMAN

227

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LABORATORY TESTING OF ROCK AND SALT SAMPLES FOR STATIC MODULI,
DYNAMIC MODULI, AND UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH
FROM THE J. FRIEMEL NO. 1 (PD-9) WELL, PALO DURO BASIN, TEXAS:
UNANALYZED DATA

SUMMARY: THIS REPORT CONTAINS THE LABORATORY TEST PROCEDURES,
GRAPHICAL REPRESENTATIONS OF THE RAW DATA, AND TEST RESULTS
FOR THE J. FRIEMEL NO. 1 (PD-9) WELL IN THE PERMIAN BASIN.
THE LABORATORY TESTS WERE PERFORMED FOR STATIC MODULI,
DYNAMIC MODULI, UNIAXIAL COMPRESSIVE STRENGTH, AND TRIAXIAL
COMPRESSIVE STRENGTH DETERMINATIONS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/24/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01648

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

452

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: EROSION RATES AND PROCESSES IN SUBHUMID AND SEMIARID CLIMATES,
TEXAS PANHANDLE: STATISTICAL EVALUATIONS OF FIELD DATA

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF AN INTEGRATED STATISTICAL
AND FIELD INVESTIGATION ON EROSION RATES AND PROCESSES IN THE
TEXAS PANHANDLE.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01691

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

1001

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FRACTURE ANALYSIS OF THE PALO DURO BASIN AREA, TEXAS PANHANDLE
AND EASTERN NEW MEXICO

SUMMARY: FRACTURE ANALYSES OF THE PALO DURO BASIN AREA PROVIDE CLUES
TO THE STRUCTURAL HISTORY OF THE AREA AND HELP TO DETERMINE
THE OCCURRENCE AND CHARACTERISTICS OF THE FRACTURES AND VEINS
IN STRATA OF THIS REGION. THIS REPORT PRESENTS THE FINDINGS
OF A STUDY MADE ON THE AREA INCLUDING THE PALO DURO BASIN AND
ADJACENT REGIONS WITHIN THE TEXAS PANHANDLE AND EASTERN NEW
MEXICO.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02036

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

380

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DEPOSITIONAL ARCHITECTURE OF THE QUATERNARY BLACKWATER DRAW AND
TERTIARY OGALLALA FORMATIONS, TEXAS PANHANDLE AND EASTERN NEW
MEXICO

SUMMARY: THE OGALLALA AND BLACKWATER DRAW FORMATIONS ARE BEING
CHARACTERIZED AS PART OF A PROGRAM DESIGNED TO DETERMINE THE
POTENTIAL, IF ANY, FOR CONTAMINATION OF THE HIGH PLAINS
AQUIFER FROM RELEASES OF NUCLEAR WASTE EITHER AT THE SURFACE
OR FROM THE REPOSITORY AT DEPTH. THIS REPORT IS A PRELIMINARY
DISCUSSION OF CERTAIN ASPECTS OF THE GEOLOGY OF THESE TWO
FORMATIONS.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, GRG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02166

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

387

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HYDROGEOLOGY AND WATER RESOURCES OF THE LOWER DOCKUM GROUP
(TRIASSIC) IN THE TEXAS PANHANDLE AND EASTERN NEW MEXICO

SUMMARY: THIS REPORT STUDIES DOCKUM GROUP STRATA, INCLUDING STUDIES ON
POROSITY AND PERMEABILITY, DEPOSITIONAL ENVIRONMENT,
STRATIGRAPHIC CORRELATION, AND HYDROLOGICAL CONTINUITY.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02183

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

389

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PRE-PENNSYLVANIAN OF THE PALO DURO BASIN: STRATIGRAPHY AND
PETROLEUM POTENTIAL

SUMMARY: THIS REPORT PRESENTS STRATIGRAPHIC ANALYSES OF
PRE-PENNSYLVANIAN ROCKS OF THE PALO DURO BASIN FOR
CONSIDERATION OF HYDROCARBON POTENTIAL, INCLUDING RESERVOIR
AND SOURCE ROCK POTENTIAL AND THERMAL MATURITY STUDIES.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01791

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: OSCHMAN

1125

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DENSITY AND POROSITY TESTING ON ROCK CORE SAMPLES FROM THE
DETTON NO. 1 (PD-6), G. FRIEMEL NO. 1 (PD-5), AND J. FRIEMEL
NO. 1 (PD-9) WELLS, PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF DENSITY AND POROSITY
TESTS PERFORMED ON THREE WELLS IN THE PALO DURO BASIN OF
TEXAS. SPECIMENS WERE TESTED USING U.S. ARMY CORPS OF
ENGINEERS METHOD FOR DETERMINING EFFECTIVE AND DRY UNIT
WEIGHTS AND TOTAL POROSITY OF ROCK CORE, EXCEPT THAT VOLUMES
WERE DETERMINED USING A GAS PYCNOMETER. DRY, APPARENT, AND
GRAIN DENSITY AND EFFECTIVE AND TOTAL POROSITY WERE

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/SRP-5043

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01692

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

1002

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SANDSTONE DISTRIBUTION AND LITHOFACIES OF THE TRIASSIC DOCKUM
GROUP, PALO DURO BASIN, TEXAS PANHANDLE

SUMMARY: THE TRIASSIC DOCKUM GROUP IN THE PALO DURO BASIN IS COMPOSED
OF MANY INTERBEDDED SEQUENCES OF COARSE- TO FINE-GRAINED
TERRIGENOUS CLASTIC SEDIMENTARY STRATA. SEDIMENT SOURCES FOR
TRIASSIC STRATA, BASED ON NET SANDSTONE TRENDS, INDICATE
DEPOSITION IN DELTAIC AND FLUVIAL ENVIRONMENTS. THIS REPORT
PRESENTS THE FINDINGS OF A STUDY OF THE SANDSTONE
DISTRIBUTION AND LITHOFACIES FOUND IN THE DOCKUM GROUP.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: OF-WTWI-1985-25

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02083

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

511

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: STRATIGRAPHY OF BEDDED HALITE IN THE PERMIAN SAN ANDRES
FORMATIONS, UNITS 4 + 5, PALO DURO BASIN

SUMMARY: THIS REPORT DESCRIBES THE DETAILED ANALYSES OF THE FABRICS IN
HALITE OF THE SAN ANDRES FORMATION, AS CORED IN SEVEN PROGRAM
WELLS. HALITE TEXTURES ARE COMPARED TO ANCIENT, MODERN AND
EXPERIMENTAL ANALOGS TO PERMIT GENETIC INTERPRETATION.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01763

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

1086

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALO DURO MICROEARTHQUAKE NETWORK OPERATION REPORT FOR APRIL -
JULY 1984

SUMMARY: THIS REPORT SUMMARIZES THE DATA OBTAINED FROM THE OPERATION
OF THE MICROEARTHQUAKE NETWORK FOR THE PERIOD OF APRIL 1 -
JULY 31, 1984. IT INCLUDES A BRIEF SUMMARY OF THE NETWORK'S
EQUIPMENT AND OPERATION. THE OBJECTIVE IS TO LOCATE
EARTHQUAKES IN THE PALO DURO BASIN AND THE SURROUNDING AREA
OF THE TEXAS PANHANDLE AND TO ESTIMATE THE SEISMIC HAZARD IN
THE AREA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01764

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

1087

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALO DURO MICROEARTHQUAKE NETWORK OPERATION REPORT FOR JANUARY
- JUNE 1985

SUMMARY: THIS REPORT SUMMARIZES THE DATA OBTAINED FROM THE OPERATION OF THE PALO DURO BASIN MICROEARTHQUAKE NETWORK FOR THE PERIOD JANUARY 1 - JUNE 30, 1985. THIS REPORT ALSO INCLUDES A BRIEF SUMMARY OF THE NETWORK'S EQUIPMENT AND OPERATION. THE OBJECTIVE IS TO MONITOR AND EXAMINE EARTHQUAKE ACTIVITY IN THE PALO DURO BASIN AND THE SURROUNDING AREA OF THE TEXAS PANHANDLE AND TO ESTIMATE THE SEISMIC HAZARD OF THE AREA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01853

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

1088

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALO DURO MICROEARTHQUAKE NETWORK OPERATION REPORT FOR JULY -
DECEMBER 1985

SUMMARY: A 16 STATION NETWORK OPERATES IN THE TEXAS PANHANDLE TO
MONITOR EARTHQUAKE ACTIVITY IN THE AREA. THIS REPORT
DESCRIBES THE NETWORK AND ITS OPERATION AS WELL AS ANALYSIS
OF THE DATA OBTAINED DURING THE PERIOD OF JULY TO DECEMBER,
1985. FIVE LOCAL AND REGIONAL EARTHQUAKES WERE DETECTED AND
LOCATED DURING THIS PERIOD. THESE OCCURRED IN THE NORTHERN
TEXAS PANHANDLE AND HAD MAGNITUDES LESS THAN OR EQUAL TO 3.0.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02199

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: MOZUMDER

RESPONSIBLE MANAGER: OSCHMAN

350

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DIRECT SHEAR TESTING ON ROCK CORE SAMPLES FROM J. FRIEMEL NO. 1
(PD-9) WELL, PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS DATA REPORT SUMMARIZES THE DIRECT SHEAR LABORATORY TEST
PROCEDURE AND RESULTS FOR THE J. FRIEMEL NO. 1 WELL IN THE
PALO DURO BASIN OF TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01333

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

239

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: ORIGIN OF THE SALADO, SEVEN RIVERS, AND SAN ANDRES SALT MARGINS
IN TEXAS AND NEW MEXICO

SUMMARY: THROUGH GEOPHYSICAL WELL LOG INTERPRETATION, THE PRESENT
BOUNDARIES OF THE SAN ANDRES AND ARTESIA BEDDED HALITES WERE
DEFINED ALONG THE PERIPHERY OF THE PERMIAN BASIN IN NEW
MEXICO AND TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01623

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

402

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HISTORICAL SEISMICITY OF THE TEXAS PANHANDLE FROM AN
EXAMINATION OF LUBBOCK STATION RECORDS

SUMMARY: DATA FROM THE SEISMOGRAPH STATION AT LUBBOCK, TEXAS, FOR THE
PERIOD 1963 - 1980 WERE EXAMINED TO IDENTIFY ALL EARTHQUAKES
THAT MAY HAVE OCCURRED IN THE TEXAS PANHANDLE. THE STUDY
CONCLUDES THAT ABOUT TWO TO THREE EARTHQUAKES PER YEAR HAVE
OCCURRED IN THE TEXAS PANHANDLE AND VICINITY.

PLANNED REVIEWS: ONWI-INTERNAL,SCD,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01624

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

401

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALO DURO MICROEARTHQUAKE NETWORK OPERATION REPORT FOR AUGUST -
DECEMBER 1984

SUMMARY: THIS REPORT SUMMARIZES THE DATA OBTAINED FROM THE OPERATION
OF THE MICROEARTHQUAKE NETWORK FOR THE PERIOD AUGUST 1 -
DECEMBER 31, 1984. IT INCLUDES A BRIEF SUMMARY OF THE
NETWORK'S EQUIPMENT AND OPERATION. THE OBJECTIVE IS TO LOCATE
EARTHQUAKES IN THE PALO DURO BASIN THE SURROUNDING AREA OF
THE TEXAS PANHANDLE AND TO ESTIMATE THE SEISMIC HAZARD IN THE
AREA.

PLANNED REVIEWS: ONWI-INTERNAL,SCD,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01647

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

451

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: MORPHOMETRIC STUDIES OF SUBHUMID AND SEMIARID DRAINAGE BASINS,
TEXAS PANHANDLE AND NORTHEAST NEW MEXICO

SUMMARY: DATA FROM FIVE DRAINAGE BASINS IN THE TEXAS PANHANDLE AND
NORTHEASTERN NEW MEXICO ARE EXAMINED AS THEY CHARACTERIZE THE
RECENT HISTORY OF DRAINAGE BASIN FORMATION AND LANDSCAPE
DEVELOPMENT AROUND THE MARGINS OF THE SOUTHERN HIGH PLAINS.
MORPHOMETRIC (SHAPE) PARAMETERS ARE USED FOR THIS STUDY SINCE
STREAM FLOW RECORDS FOR MOST STREAMS ARE AVAILABLE FOR ONLY
THE PAST 15 YEARS.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01656

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: OSCHMAN

RESPONSIBLE MANAGER: SULIMA

822

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CENTRIFUGE MODELING OF THE EFFECTS OF VARIABLE SEDIMENTARY
LOADING ON THE EXTERNAL GEOMETRY, KINEMATICS, AND DYNAMICS OF
SYNDEPOSITIONAL SALT STRUCTURES

SUMMARY: THIS STUDY EXAMINES EXTERNAL STRUCTURE AND SHAPE OF SALT
DIAPIRS, AND MODELS THEIR DEVELOPMENT AS THEY ARE INFLUENCED
BY TOWN BUILDING, INTERNAL STRESS AND STRUCTURES,
DIFFERENTIAL LOADING, AND FIRST-ORDER MOVEMENT CELLS.

PLANNED REVIEWS: TEXAS BEG-INTERNAL,SCP CG,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02171

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

388

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SEISMIC REPROCESSING PROGRAM, PALO DURO BASIN AND AREA

SUMMARY: RECENTLY REPROCESSED SEISMIC REFLECTION SECTIONS ARE EXAMINED
AS THEY RELATE TO INTERPRETATION OF THE STRUCTURAL GEOLOGY OF
PALO DURO BASIN.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02100

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

383

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALEOCLIMATIC RECONSTRUCTION BASED ON MOLLUSCAN (GASTROPODA;
PELECYPODA) ENVIRONMENTAL INDICATORS - LATE QUATERNARY OF
NORTHWEST TEXAS

SUMMARY: THIS REPORT DEVELOPS DETAILED PALEOENVIRONMENTAL AND
PALEOCLIMATIC REGIONAL RECONSTRUCTIONS BY BIOSTRATIGRAPHIC
WORK DEVELOPED FROM CARBON-DATED FAUNA.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01266

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

1057

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: VELOCITY STUDY: STATISTICAL ANALYSIS AND CORRELATIONS OF
COMPRESSIONAL WAVE VELOCITIES AND DYNAMIC MODULI OF ELASTICITY
IN THE J. FRIEMEL NO. 1 AND ZEECK NO. 1 WELLS

SUMMARY: THIS REPORT PRESENTS A PROCEDURE FOR THE STATISTICAL ANALYSIS
OF DATA OBTAINED FROM DIGITIZED GEOPHYSICAL LOGS AND RESULTS
FROM AN ANALYSIS PERFORMED ON SONIC COMPRESSIONAL WAVE
VELOCITY AND ON COMPUTED DYNAMIC ELASTIC MODULUS. VARIOUS
COMBINATIONS OF FORMATIONS AND LITHOLOGIES IN A SINGLE WELL
AND ACROSS WELLS WERE STUDIED FOR J. FRIEMEL NO. 1 AND ZEECK
NO. 1.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01267

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

338

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LABORATORY TESTING OF ROCK AND SALT SAMPLES FOR STATIC MODULI,
DYNAMIC MODULI, AND UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH
FROM THE HARMAN NO. 1 (PD-8) WELL, PALO DURO BASIN, TEXAS:
UNANALYZED DATA

SUMMARY: THE PRIMARY OBJECTIVE OF THIS REPORT IS TO DETERMINE THE
AVERAGE VALUE AND ANTICIPATED VARIATIONS OF STRENGTH, MODULUS,
AND SONIC VELOCITIES OF EACH MAJOR ROCK TYPE WHICH MAY BE
ENCOUNTERED DURING SHAFT CONSTRUCTION AND OPERATION OF A
FUTURE REPOSITORY.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01270

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

183

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HOLTZCLAW NO. 1 WELL HYDROFRACTURE TEST REPORT

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF THE HYDROFRACTURING AND
TELEVIEWER SURVEY OF THE HOLTZCLAW NO. 1 WELL.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01334

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

240

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FAULTING IN THE NORTHERN PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT PRESENTS INFORMATION COLLECTED ON LOCATION, VERTICAL DISPLACEMENT AND LATEST DETECTABLE MOVEMENT DETERMINED FOR 90 FAULTS IDENTIFIED IN THE NORTHERN PALO DURO BASIN OF TEXAS. THE INTERPRETATIONS ARE BASED ON LITHOSTRATIGRAPHIC CORRELATIONS, USING GEOPHYSICAL LOGS AND SAMPLE LOGS FROM 905 WELLS ACROSS 12 COUNTIES, AND SEISMIC SURVEYS CONDUCTED IN PORTIONS OF SIX COUNTIES.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01649

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

453

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CYCLICITY IN THE MIDDLE PERMIAN SAN ANDRES FORMATION, PALO DURO
BASIN, TEXAS PANHANDLE

SUMMARY: THIS REPORT DESCRIBES INDIVIDUAL VERTICAL DEPOSITIONAL CYCLES
WITHIN THE SAN ANDRES FORMATION. EVIDENCE SUGGESTS
SEDIMENTATION ON AN EXTREMELY BROAD SHALLOW SHELF WITH
NEGLECTIBLE RELIEF ALONG WITH CORRELATED CHANGES IN WATER
CIRCULATION AND BRINE SALINITY DUE TO CHANGING RATES OF
EUSTATIC SEA LEVEL, REGIONAL BASIN SUBSIDENCE, AND
SEDIMENTATION.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01650

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

454

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LATE CENOZOIC GEOMORPHIC EVOLUTION OF THE TEXAS PANHANDLE AND
NORTHEASTERN NEW MEXICO

SUMMARY: THIS REPORT DESCRIBES THE GEOMORPHIC EVOLUTION OF THE TEXAS
PANHANDLE AND NORTHEASTERN PORTION OF NEW MEXICO DURING LATE
CENOZOIC PERIOD.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01657

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: PERRY 823

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: GROUND-WATER HYDRAULICS OF THE DEEP-BASIN BRINE AQUIFER SYSTEM,
PALO DURO BASIN, TEXAS PANHANDLE

SUMMARY: THIS REPORT PRESENTS THE FINDINGS OF A STUDY WHICH ADDRESSES
THE GROUND-WATER HYDRAULICS OF THE DEEP-BASIN BRINE AQUIFER
SYSTEM OF THE PALO DURO BASIN AND IS PART OF THE HYDROLOGIC
RESEARCH BEING CONDUCTED TO INVESTIGATE THE FEASIBILITY OF
SITING A HIGH-LEVEL RADIOACTIVE WASTE REPOSITORY IN BEDDED
PERMIAN SALT.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01804

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

1055

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: ADDITIONAL LABORATORY TESTING OF ROCK AND SALT SAMPLES FOR
STATIC MODULI, DYNAMIC MODULI, AND TRIAXIAL COMPRESSIVE
STRENGTH FROM THE J. FRIEMEL NO. 1 (PD-9) WELL, PALO DURO BASIN,
TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT PROVIDES ADDITIONAL LABORATORY TEST RESULTS, TEST
PROCEDURES, AND GRAPHICAL REPRESENTATIONS OF THE RAW DATA FOR
THE J. FRIEMEL NO. 1 (PD-9) WELL IN THE PALO DURO BASIN. THE
LABORATORY TESTS WERE PERFORMED FOR STATIC MODULI, DYNAMIC
MODULI, AND TRIAXIAL COMPRESSIVE STRENGTH ON ROCK SPECIMENS
FROM THE DOCKUM FORMATION.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02041

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

365

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LABORATORY TESTING OF ROCK AND SALT SAMPLES FOR STATIC MODULI,
DYNAMIC MODULI, AND UNIAXIAL AND TRIAXIAL COMPRESSIVE STRENGTH
FROM THE HOLTZCLAW NO. 1 (PD-10) WELL, PALO DURO BASIN, TEXAS:
UNANALYZED DATA

SUMMARY: THE PRIMARY OBJECTIVE OF THIS REPORT IS TO DETERMINE THE
AVERAGE VALUE AND ANTICIPATED VARIATIONS OF STRENGTH, MODULI,
AND SONIC VELOCITIES OF EACH MAJOR ROCK TYPE WHICH MAY BE
ENCOUNTERED DURING SHAFT CONSTRUCTION AND OPERATION OF A
FUTURE REPOSITORY.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

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DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02068

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: SULIMA

1053

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DISSOLUTION OF THE UPPER SEVEN RIVERS AND SALADO SALT IN THE
INTERIOR PALO DURO BASIN, TEXAS

SUMMARY: THIS STUDY PRESENTS GEOLOGIC MAPS AND DETAILED INFORMATION ON
THE SALT STRATIGRAPHY AND DISSOLUTION WITHIN THE PALO DURO
BASIN.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,ANL PEER,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02081

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

382

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: TECTONIC HISTORY OF THE PALO DURO BASIN AND AREA

SUMMARY: THIS REPORT WILL EXAMINE BOTH SURFACE AND SUBSURFACE DATA TO
DIFFERENTIATE TECTONIC AND DISSOLUTION RELATED FEATURES IN
THE TEXAS PANHANDLE.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02155

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

555

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: TERTIARY SALT DIAPIRS EXPOSED AT DIFFERENT STRUCTURAL LEVELS IN
THE GREAT KAVIR (DASHT-I KAVIR) SOUTH OF SEMNAN, NORTH CENTRAL
IRAN: A REMOTE-SENSING STUDY OF THEIR INTERNAL STRUCTURE AND
SHAPE

SUMMARY: THIS STUDY EXAMINES THE INTERNAL STRUCTURE AND SHAPE OF
TERTIARY SALT DIAPIRS BASED ON INFORMATION GATHERED BY REMOTE
SENSING.

PLANNED REVIEWS: TEXAS BEG-INTERNAL,SCP CG,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02160

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: SULIMA

386

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CONONDONT BIOSTRATIGRAPHY OF THE MISSISSIPPIAN SYSTEM

SUMMARY: THIS REPORT CORRELATES CONONDONT FAUNAS RECOVERED FROM WELLS IN THE PALO DURO BASIN AREA WITH WELL-ESTABLISHED ZONATIONS ELSEWHERE IN THE MID-CONTINENT, TO TRACE AREAS OF MISSISSIPPIAN DEPOSITION IN THE AREA FROM OSAGE THROUGH MERSMECIAN TIME.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

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DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01896

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

1089

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PALO DURO MICROEARTHQUAKE NETWORK OPERATION REPORT FOR JANUARY
- JULY 1986

SUMMARY: THIS REPORT DESCRIBES THE DATA OBTAINED FROM THE OPERATION OF THE MICROEARTHQUAKE NETWORK FOR THE PERIOD OF JANUARY TO JULY, 1986. TEN LOCAL EARTHQUAKES WERE DETECTED AND LOCATED HAVING MAGNITUDES FROM 1.5 TO 2.2. THESE EARTHQUAKES WERE NORTH OF THE PALO DURO BASIN OR IN NEW MEXICO. A SWARM OF VERY SMALL EARTHQUAKES OCCURRED NEAR THE MANSFIELD STATION, BUT WERE NOT DETECTED BY OTHER STATIONS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02051

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

1056

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: REPORT ON SWELL TESTS PERFORMED ON SAMPLES FROM SELECTED WELLS,
PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF LABORATORY TESTING OF
SAMPLES FROM PROGRAM WELLS IN THE PALO DURO BASIN, TEXAS.
THESE INDEX TESTS WERE DEvised TO INDICATE THE SWELLING
POTENTIAL OF VARIOUS ROCK UNITS WHICH WOULD BE ENCOUNTERED
DURING SHAFT SINKING AND REPOSITORY CONSTRUCTION. THE
SPECIMENS WERE CHOSEN AS THE MOST LIKELY TO SHOW SOME SWELL
POTENTIAL IN THE SAMPLED INTERVALS AVAILABLE.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01658

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

824

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FAULTING IN THE MATADOR UPLIFT AREA, TEXAS

SUMMARY: THIS REPORT PRESENTS AN ANALYSIS OF THE STRUCTURAL GEOLOGY AND STRATIGRAPHY OF THE SOUTHERN PORTION OF THE PALO DURO BASIN AS DEVELOPED FROM AVAILABLE WELL LOG DATA. IT INCLUDES STRUCTURE CONTOUR AND ISOPACH MAPS OF SELECTED HORIZONS AND GEOLOGIC UNITS. THE AREA OF STUDY INCLUDES THE FOLLOWING TEXAS COUNTIES: BAILEY, LAMB, COCHRAN, HOCKLEY, HALE, FLOYD, MOTLEY, LUBBOCK, CROSBY, COTTLE, KING, AND DICKENS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08002

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1047

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: GEOPHYSICAL AND LITHOLOGIC PROPERTIES OF BEDDED SALT OF THE
LOWER SAN ANDRES FORMATION, PALO DURO BASIN, DEAF SMITH AND
OLDHAM COUNTIES, TEXAS

SUMMARY: THIS REPORT PRESENTS RESULTS OF A STUDY OF THE GEOPHYSICAL
AND LITHOLOGIC LOGS. THE PURPOSE OF THIS STUDY IS TO DESCRIBE
THE PHYSICAL PROPERTIES AND DISCONTINUITIES OF SALT BEDS IN
CYCLES 4 AND 5 OF THE LOWER SAN ANDRES FORMATION, WHICH
AFFECT SITE CHARACTERIZATION AND PERHAPS THE ENGINEERING
DESIGN OF THE REPOSITORY IN SALT BEDS.

PLANNED REVIEWS: BFEC-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08003

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1048

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PETROGRAPHIC REPORT ON SAMPLES FROM UNIT 4 SALT, LOWER SAN
ANDRES FORMATION, ZEECK NO. 1 WELL, SWISHER COUNTY, PALO DURO
BASIN, TEXAS

SUMMARY: MINERALOGIC AND PETROGRAPHIC ANALYSES WERE PERFORMED ON
DRILL-CORE SAMPLES FROM THE ZEECK NO. 1 WELL OF SALT-BEARING
ROCK COLLECTED AT THE PERMIAN LOWER SAN ANDRES UNIT 4 LEVEL.
POLISHED AXIALLY ORIENTED THIN SECTIONS WERE EXAMINED AND
X-RAY DIFFRACTION ANALYSIS WAS USED TO DETERMINE RELATIVE
ABUNDANCES OF SOLUBLE AND INSOLUBLE MINERALS. THIS REPORT
PRESENTS THE RESULTS OF THESE ANALYSES.

PLANNED REVIEWS: BFEC-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-04

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08004

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1049

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PETROGRAPHIC REPORT ON SAMPLES FROM UNITS 4 AND 5 SALT, LOWER
SAN ANDRES FORMATION, J. FRIEMEL NO. 1 WELL, DEAF SMITH COUNTY,
PALO DURO BASIN, TEXAS

SUMMARY: MINERALOGIC AND PETROGRAPHIC ANALYSES WERE PERFORMED ON
DRILL-CORE SAMPLES FROM THE J. FRIEMEL NO. 1 WELL OF
SALT-BEARING ROCK COLLECTED AT THE LOWER SAN ANDRES UNITS 4
AND 5 LEVELS. POLISHED AXIALLY ORIENTED THIN SECTIONS WERE
EXAMINED AND X-RAY DIFFRACTION ANALYSIS WAS USED TO DETERMINE
RELATIVE ABUNDANCES OF SOLUBLE AND INSOLUBLE MINERALS. THIS
REPORT PRESENTS THE RESULTS OF THESE ANALYSES.

PLANNED REVIEWS: BFEC-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-05

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01667

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

977

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FAULTING IN THE EASTERN PANHANDLE, TEXAS

SUMMARY: THIS REPORT PRESENTS AN ANALYSIS OF THE STRUCTURAL GEOLOGY AND STRATIGRAPHY OF THE EASTERN PORTION OF THE PANHANDLE OF TEXAS AND SOUTHWESTERN OKLAHOMA DEVELOPED FROM AVAILABLE WELL LOG DATA. IT INCLUDES STRUCTURE CONTOUR AND ISOPACH MAPS OF SELECTED HORIZONS AND GEOLOGIC UNITS. THE AREA OF STUDY INCLUDES SEVERAL TEXAS AND OKLAHOMA COUNTIES.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/14/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01660

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

826

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FAULTING IN EASTERN NEW MEXICO

SUMMARY: THIS REPORT PRESENTS AN ANALYSIS OF THE STRUCTURAL GEOLOGY AND STRATIGRAPHY OF A PORTION OF EASTERN NEW MEXICO AS DEVELOPED FROM AVAILABLE WELL LOG DATA. IT INCLUDES STRUCTURE CONTOUR AND ISOPACH MAPS OF SELECTED HORIZONS AND GEOLOGIC UNITS. THE AREA OF STUDY INCLUDES THE FOLLOWING EASTERN NEW MEXICO COUNTIES: MORA, HARDING, GUADALUPE, QUAY, DEBACA, ROOSEVELT, CURRY, UNION, AND PARTS OF CHAVES AND LEA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/21/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01651

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

820

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: THE ARTESIA GROUP (GUADALUPIAN/OCHOAN) OF PALO DURO BASIN:
DEPOSITIONAL SYSTEMS AND EFFECTS OF POST-PERMIAN SALT
DISSOLUTION

SUMMARY: THIS REPORT PRESENTS A STUDY OF THE DEPOSITIONAL ENVIRONMENTS
OF THE GUADALUPIAN AND OCHOAN FORMATIONS OF THE PALO DURO
BASIN, AND ASSESSES POTENTIAL AQUIFERS IN THE ARTESIA GROUP.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, SCP CG, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: OF-WTWI-1985-24

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02042

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

342

BASIN: PERMIAN

STATUS: WORK IS PLANNED

TITLE: GAS PERMEABILITY REPORT: UNANALYZED DATA

SUMMARY: THIS REPORT PRESENTS THE RESULTS AND DESCRIBES THE PROCEDURES
USED IN GAS PERMEABILITY TESTS PERFORMED IN TIGHT ROCKS AND
SALT IN THE PERMIAN BASIN, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/15/88

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01450

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

125

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SALT INDEX PROPERTIES REPORT

SUMMARY: THIS REPORT CONTAINS RESULTS OF ANALYSES ON THERMAL
FRACTURING, BULK MOISTURE CONTENT, LOSS UPON HEATING AND
INSOLUBLE RESIDUES ON HALITE FROM VARIOUS BORINGS IN THE
PERMIAN BASIN.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TERRA TEK,STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/88

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01275

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

188

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DEAF SMITH GEOTECHNICAL REPORT

SUMMARY: THIS REPORT CONSISTS OF A SUITE OF LOGS THAT HAVE BEEN
CORRELATED TO ENGINEERING INDEX PROPERTIES ON STRATIGRAPHIC
BASIS. SAMPLE LOCATIONS AND TEST TYPES ARE ALSO INDICATED.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/15/88

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02387

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

378

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DEAF SMITH FRACTURE IDENTIFICATION LOG REPORT

SUMMARY: THIS REPORT DESCRIBES HOW FRACTURES CAN BE IDENTIFIED IN
BOREHOLES USING GEOPHYSICAL LOGS. GEOPHYSICAL LOGS FROM WELLS
IN DEAF SMITH COUNTY, TEXAS, WILL BE USED.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/01/89

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01284

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: GUPTA

91

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: SECOND STATUS REPORT ON REGIONAL GROUND-WATER FLOW MODELING FOR
THE PALO DURO BASIN

SUMMARY: THIS REPORT PRESENTS RESULTS FROM GROUND-WATER FLOW MODELING
OF THE POTENTIAL SALT SITES FOR ESTIMATION OF GROUND WATER
TRAVEL TIME FROM REPOSITORY TO HOST SALT ROCK. THE CONCEPT OF
FRACTURE FLOW MODELING SHOULD BE ADDRESSED IN THE STUDY AND
IN THE FINAL REPORT.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, LBL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/13/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0604

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01172

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY

104

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: POTENTIOMETRIC DATA FOR NEW MEXICO AND TEXAS

SUMMARY: THIS REPORT IS A DESCRIPTION OF THE DATA BASE WHICH HAS BEEN DEVELOPED FROM DRILL STEM TESTS. IT DESCRIBES FORMATION PRESSURE DATA AND GENERATES POTENTIOMETRIC SURFACE MAPS FOR THE WOLFCAMP AND PENNSYLVANIAN CARBONATE AQUIFERS.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01288

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY 201

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: HYDROGEOLOGIC SUBDIVISION OF THE WOLFCAMP SERIES AND
PENNSYLVANIAN SYSTEM OF THE DEAF SMITH STUDY AREA, TEXAS

SUMMARY: THIS REPORT REPRESENTS GEOLOGIC CROSS SECTIONS WITH DETAILED
LITHOLOGIC BREAKDOWN OF THE WOLFCAMP PENNSYLVANIAN FORMATIONS
IN DEAF SMITH COUNTY, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01290

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: PERRY

203

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HYDROGEOLOGICAL SUBDIVISION OF THE WOLFCAMP SERIES AND
PENNSYLVANIAN SYSTEM OF THE SWISHER STUDY AREA, TEXAS

SUMMARY: THIS REPORT PRESENTS GEOLOGIC CROSS SECTIONS SHOWING A
DETAILED LITHOLOGIC BREAKDOWN OF THE WOLFCAMP AND
PENNSYLVANIAN FORMATIONS IN SWISHER COUNTY, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01296

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY 210

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: GROUND WATER PROFILE MODELING REPORT

SUMMARY: THIS REPORT WILL DISCUSS MODELING ACTIVITIES BASED ON
PRESSURE DEPTH PROFILES AND DATA FROM CROSS-SECTIONS.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01297

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY

211

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: REGIONAL PERMEABILITY DETERMINATIONS FROM LIMITED DRILL STEM
TEST (DST) DATA

SUMMARY: THE REPORT WILL DISCUSS PERMEABILITY AND POROSITY INFORMATION
OBTAINED ON THE DEEP BASIN IN THE PALO BASIN. AQUIFER TEST
ANALYSIS SHOULD INCLUDE CONSIDERATION OF FRACTURE FLOW IN THE
INTERVALS TESTED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01309

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY 119

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: PUMP TEST SUMMARY REPORT: ZEECK AND J. FRIEMEL, PALO DURO BASIN

SUMMARY: THIS REPORT DESCRIBES THE PUMP TESTS PERFORMED AT THE ZEECK
NO. 1 AND J. FRIEMEL WELLS IN THE PALO DURO BASIN, TEXAS.
AQUIFER TEST ANALYSIS SHOULD INCLUDE CONSIDERATION OF
FRACTURE FLOW IN THE INTERVALS TESTED.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01689

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY

999

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: A THREE-DIMENSIONAL GROUND-WATER FLOW MODEL FOR THE PALO DURO
BASIN, TEXAS

SUMMARY: A THREE-DIMENSIONAL GROUND-WATER FLOW MODEL OF THE DEEP-BASIN
BRINE AQUIFER IN THE PALO DURO BASIN, TEXAS WAS CONSTRUCTED.
THE MODEL INCORPORATES DETAILED INFORMATION ON LATERAL
PERMEABILITY DISTRIBUTIONS WITHIN THE WOLFCAMP STRATA. THIS
REPORT PRESENTS THE RESULTS OF THE TESTING DONE WITH THIS
MODEL.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01690

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY 1000

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: STRATIGRAPHY AND INFLUENCE OF POROSITY ON GROUND-WATER FLOW IN
THE WOLFCAMP BRINE AQUIFER, PALO DURO BASIN, TEXAS PANHANDLE

SUMMARY: IN THE PALO DURO BASIN, A PREDOMINATLY CARBONATE, DEEP-BASIN
AQUIFER WITHIN THE WOLFCAMP SERIES LIES BENEATH 2,100 - 3,100
FT OF LOW-PERMEABILITY STRATA WHICH SEPARATES POROUS WOLFCAMP
SEDIMENTS FROM BEDDED SALT OF THE SAN ANDES FORMATION, A
POTENTIAL HOST FOR ISOLATED HIGH-LEVEL NUCLEAR WASTE. THIS
REPORT PRESENTS THE RESULTS OF A STUDY OF THE STRATIGRAPHY
AND INFLUENCE OF POROSITY ON GROUND-WATER FLOW IN THE AQUIFER.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01688

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY

998

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HYDROSTRATIGRAPHY OF THE WOLFCAMP AQUIFER, PALO DURO BASIN,
TEXAS PANHANDLE

SUMMARY: THIS REPORT PRESENTS THE FINDINGS OF A STUDY OF THE
HYDROSTRATIGRAPHY OF THE WOLFCAMP AQUIFER. THIS STUDY
EXAMINES THE STRATA AND RESULTS IN AN ESTIMATE OF GEOGRAPHIC
DISTRIBUTION OF THE HYDROLOGIC PARAMETERS, AVERAGE POROSITY,
AVERAGE MATRIX (NONFRACTURE) PERMEABILITY AND
PERMEABILITY-THICKNESS PRODUCT FOR NONSHALY WOLFCAMP
SEDIMENTS.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01293

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY

207

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PUMPING TEST AND FLUID SAMPLING REPORT, J. FRIEMEL NO. 1 WELL,
PALO DURO BASIN, TEXAS

SUMMARY: THE REPORT WILL DETAIL RESULTS OF AQUIFER TESTS AND FLUID
SAMPLING AT THE J. FRIEMEL NO. 1 WELL IN DEAF SMITH COUNTY,
TEXAS. AQUIFER TEST ANALYSIS SHOULD INCLUDE CONSIDERATION OF
FRACTURE FLOW IN THE INTERVALS TESTED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01687

SUBJECT CATEGORY: PERMIAN BASIN HYDROLOGY (WBS 1.3.3.2.3)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: PERRY

997

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CHARACTERIZATION STUDY OF THE OGALLALA AQUIFER, NORTHWEST TEXAS

SUMMARY: THIS REPORT PRESENTS PRELIMINARY CONCLUSIONS OF RESEARCH CONDUCTED TO DEVELOP A GENERAL HYDROGEOLOGIC CHARACTERIZATION OF THE OGALLALA AQUIFER THAT WILL SERVE AS A FIRM BASIS FOR ACCURATE EVALUATION OF AQUIFER RECHARGE MECHANISMS RELEVANT TO PROBLEMS STEMMING FROM ACCIDENTAL SPILLS OF RADIONUCLIDES AT LAND SURFACE AND POSSIBLE INTERACTIONS OF THE RADIONUCLIDES WITH DEEPER HYDROLOGIC UNITS.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01175

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

111

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: GAS SAMPLING FOR GROUND-WATER DATING AT THE J. FRIEMEL NO. 1
WELL, ZONE NO. 1

SUMMARY: THIS REPORT IS A DESCRIPTION OF DOWNHOLE PRESSURIZED FLUID
SAMPLES TAKEN FROM THE DEEP GRANITE WASH AQUIFER

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01693

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

1003

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DIAGENESIS OF THE SAN ANDRES FORMATION UNIT 4 CARBONATES, NO. 1
G. FRIEMEL AND NO. 1 DETTEN WELLS

SUMMARY: THIS IS A PROGRESS REPORT ON ONGOING CORE ANALYSIS OF THE SAN
ANDRES FORMATION. PREVIOUS REPORTS HAVE DESCRIBED THE
DEPOSITIONAL ENVIRONMENTS AND FACIES RELATIONSHIPS AND THE
FACIES AND DETAILED STRATIGRAPHY OF THE THICK HALITE OF UNITS
4 AND 5. THIS REPORT GIVES THE RESULTS OF PETROGRAPHIC
EXAMINATIONS OF 71 THIN SECTIONS FROM THE UNIT 4 CARBONATE
REVEALING A COMPLEX DIAGENETIC HISTORY.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01694

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

1004

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: CARBONATE/ANHYDRITE GEOCHEMISTRY AND ITS RELATION TO SOLUTION
MINERAL EQUILIBRIA, LOWER PERMIAN, PALO DURO BASIN, TEXAS

SUMMARY: ROCKS AND FLUIDS OF THE WOLFCAMP FORMATION ARE BEING STUDIED
AS PART OF THE DOE'S EVALUATION OF SALT DEPOSITS IN THE PALO
DURO BASIN FOR A POTENTIAL MINED, PERMANENT STORAGE FACILITY
FOR HIGH-LEVEL NUCLEAR WASTE. THE WOLFCAMP FORMATION IS THE
FIRST SIGNIFICANT AQUIFER BENEATH THE TARGET HORIZON AND AS
SUCH COULD HAVE IMPORTANT IMPACT ON THE INTEGRITY OF A
REPOSITORY.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02076

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: SULIMA

381

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PETROGRAPHY AND GEOCHEMISTRY OF THE ARTESIAN GROUP, PALO DURO
BASIN, TEXAS PANHANDLE

SUMMARY: THIS REPORT PRESENTS THE FINDINGS OF ANALYSES CONDUCTED ON
THE ARTESIA GROUP OF THE TEXAS PANHANDLE. THIS IS AN
EVAPORITE RED-BED SEQUENCE WHICH HAS BEEN INTENSELY ALTERED
BY INTERACTION OF EVAPORITES WITH GROUND WATER. COMPARISON OF
THE UPPER, MOST ALTERED PART OF THE SEQUENCE WITH THE LOWER,
LEAST ALTERED PART ALLOWS IDENTIFICATION OF THE DIAGENETIC
SEQUENCE.

PLANNED REVIEWS: TEXAS BEG-INTERNAL, ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01155

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

68

BASIN: PERMIAN

STATUS: WORK IN PROGRESS.

TITLE: HIGH TEMPERATURE BRINE CHEMISTRY FOR HIGH MAGNESIUM INCLUSION
BRINES: UNANALYZED DATA

SUMMARY: THIS TOPICAL REPORT CONTAINS THE RESULTS OF LABORATORY
STUDIES TO DETERMINE HIGH TEMPERATURE BRINE CHEMISTRY OF HIGH
MAGNESIUM (INCLUSION TYPE) BRINES FOUND IN PERMIAN SALT.

PLANNED REVIEWS: PNL-INTERNAL,DOE/RL,ONWI-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: PACIFIC NORTHWEST LABORATORY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02161

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: KIRCHER

369

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: HISTORY OF DEEP BRINES IN THE PALO DURO BASIN, TEXAS:
APPLICATION OF NOBLE GAS RESULTS TO THE HYDROCHEMICAL SYSTEM

SUMMARY: AGE DATING OF DEEP BASIN GROUNDWATER EMPLOYING NOBLE GAS
ISOTOPE ARE DISCUSSED.

PLANNED REVIEWS: ONWI-INTERNAL, SCG CG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01367

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

259

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: GEOCHEMISTRY OF DEEP BASIN BRINES, PALO DURO BASIN, TEXAS

SUMMARY: THE CONTENT AND AUTHORSHIP OF THIS DOCUMENT ARE UNDER
DISCUSSION. ONE OR MORE DOCUMENTS WILL BE PREPARED USING
CHEMICAL DATA FOR GROUND WATERS FROM THE SAWYER NO. 1,
MANSFIELD NO. 1, ZEECK NO. 1 AND J. FRIEMEL NO. 1 DRILL HOLES.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TEXAS BEG,ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01310

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

333

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: INTERPRETATION OF GROUND WATER GEOCHEMICAL DATA, PALO DURO
BASIN, TEXAS

SUMMARY: THIS REPORT PRESENTS THE INTERPRETATIONS OF GROUND WATER
GEOCHEMICAL DATA FROM TWO HYDROGEOCHEMICAL ENVIRONMENTS
IDENTIFIED IN THE PALO DURO BASIN. THESE DATA WERE ACQUIRED
DURING THE NATIONAL URANIUM RESOURCE EVALUATION PROGRAM AND
ALSO WERE PROVIDED BY THE TEXAS DEPARTMENT OF WATER RESOURCES,
WATER ORIENTED DATA BANK.

PLANNED REVIEWS: ONWI-INTERNAL, BENDIX QA, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-01

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08001

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1046

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SUMMARY OF CHEMICAL AND ISOTOPIC DATA FOR GROUND WATERS, PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT PRESENTS, IN TABULATED FORM, THE RESULTS OF CHEMICAL AND ISOTOPIC ANALYSIS OF GROUNDWATERS FROM SELECTED BOREHOLES IN THE PALO DURO BASIN, TEXAS. WITH THREE EXCEPTIONS, ALL GROUNDWATERS ARE DEEP-BASIN BRINES.

PLANNED REVIEWS: BFEC-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-02

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08005

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1050

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: ESTIMATES OF POROSITY AND POTASSIUM, URANIUM AND THORIUM
CONCENTRATION BASED ON GEOPHYSICAL LOGS OF DEEP AQUIFERS, PALO
DURO BASIN, TEXAS

SUMMARY: SINGLE-PARAMETER POROSITY ESTIMATES ON WOLFCAMPIAN AND
PENNSYLVANIAN AQUIFERS BELOW PERMIAN BEDDED SALT DEPOSITS ARE
DERIVED FROM DENSITY, NEUTRON AND SONIC GEOPHYSICAL LOGS OF
THE J. FRIEMEL NO. 1, SAWYER NO. 1, MANSFIELD NO. 1, AND
ZEECK NO. 1 BOREHOLES. THE AVERAGE POROSITIES OF ELEVEN
PERFORATED ZONES RANGE FROM 2.8 TO 21.4 PERCENT, AND, FOR
ADJACENT BEDS, 0.8 TO 24.1 PERCENT.

PLANNED REVIEWS: BFEC-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01551

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: KIRCHER

49

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DISSOLUTION ZONE WELL FLUID SAMPLING AT MANSFIELD NO. 1, OLDHAM
CO., TEXAS

SUMMARY: THIS REPORT EVALUATES FLUID SAMPLED FOR ANALYSES LEADING TO
DETERMINATION OF THE BEHAVIOR OF SOME RADWASTE RADIONUCLIDES
(U, TH, RA) IN SUCH GROUND WATER AND, POSSIBLY, INFORMATION
ON THE AGE OF THE GROUND WATER.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TEXAS BEG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/30/88

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01295

SUBJECT CATEGORY: PERMIAN BASIN DRILLING (WBS 1.3.3.2.5)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: PERRY

209

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: FORMATION PRESSURE REPORT - OKLAHOMA: UNANALYZED DATA

SUMMARY: THIS REPORT PRESENTS THE ANALYSIS OF DRILL STEM TEST
FORMATION PRESSURE DATA BASE FOR WELLS LOCATED IN WESTERN
OKLAHOMA.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01698

SUBJECT CATEGORY: PERMIAN BASIN ENVIRONMENT (WBS 1.3.3.2.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: SMAIL 1006

BASIN: PERMIAN STATUS: DOCUMENT DISTRIBUTED

TITLE: ALTERNATIVE METHODS TO MANAGE WASTE SALT FROM REPOSITORY
EXCAVATION IN THE DEAF SMITH COUNTY AND SWISHER COUNTY
LOCATIONS, TEXAS: A SCOPING STUDY

SUMMARY: THIS REPORT DOCUMENTS AN EVALUATION OF FIVE ALTERNATIVES FOR
THE DISPOSAL OF WASTE SALT THAT WOULD BE GENERATED BY THE
CONSTRUCTION OF A RADIOACTIVE WASTE REPOSITORY IN UNDERGROUND
SALT DEPOSITS AT EITHER OF TWO SITES IN THE PALO DURO BASIN,
TEXAS. THE ALTERNATIVES INCLUDE COMMERCIAL DISPOSAL, OFFSITE
DEEP-WELL INJECTION, DISPOSAL IN ABANDONED MINES, OCEAN
DISPOSAL, AND LAND SURFACE DISPOSAL ON OR OFF THE SITE.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/06/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0629

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02119

SUBJECT CATEGORY: PERMIAN BASIN ENVIRONMENT (WBS 1.3.3.2.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: SMAIL

532

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: RAIL TRANSPORTATION CORRIDOR ANALYSIS REPORT: DEAF SMITH COUNTY
LOCATION IN THE PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF ANALYSES PERFORMED ON AN
ENVIRONMENTAL DATA BASE DEVELOPED FOR THE PURPOSE OF
PRELIMINARY SITING OF POTENTIAL RAIL ACCESS CORRIDORS BETWEEN
EXISTING RAIL LINES AND THE POTENTIAL REPOSITORY SITE. THE
ANALYSES INDICATED THE IMPORTANCE OF ANALYZING ALTERNATIVE
TRADE-OFFS, AS WELL AS THE NEED FOR MORE DETAILED
INVESTIGATIONS PRIOR TO FINAL CORRIDOR SITING.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/13/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01699

SUBJECT CATEGORY: PERMIAN BASIN ENVIRONMENT (WBS 1.3.3.2.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: SMAIL 1007

BASIN: PERMIAN STATUS: WORK IN PROGRESS

TITLE: DISPOSAL ALTERNATIVES AND RECOMMENDATIONS FOR WASTE SALT
MANAGEMENT FOR REPOSITORY EXCAVATION IN THE PALO DURO BASIN,
TEXAS

SUMMARY: FIVE MAJOR APPROACHES OF MANAGEMENT ALTERNATIVES FOR WASTE
SALT GENERATED BY REPOSITORY CONSTRUCTION IN THE PALO DURO
BASIN WERE STUDIED. A REFERENCE CASE WAS DEVELOPED FOR EACH
ALTERNATIVE AND RATED AGAINST ALL OTHERS ACCORDING TO A SET
OF ECOLOGICAL AND DEPENDABILITY FACTORS DEVELOPED
SPECIFICALLY FOR TEXAS SITES. THE THREE BEST ALTERNATIVES
WERE SELECTED FOR FURTHER STUDY.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01682

SUBJECT CATEGORY: PERMIAN BASIN ENVIRONMENT (WBS 1.3.3.2.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: SMAIL

994

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DETERMINATION OF PRELIMINARY RADIOLOGICAL
CHARACTERISTICS WITHIN THE PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT PRESENTS PRELIMINARY RADIOLOGICAL BACKGROUND DATA FOR THE PALO DURO BASIN. RADON EXHALATION AND AMBIENT GAMMA DOSE RATE MEASUREMENTS WERE MADE IN TWO COUNTIES, DEAF SMITH AND SWISHER, WITHIN THIS REGION. SOIL SAMPLES WERE COLLECTED AND ANALYZED AS WELL AS RADIONUCLIDES IN VEGETATION, FOOD PRODUCTS, AND WATER. NO SIGNIFICANT DIFFERENCES IN DATA WERE FOUND BETWEEN THE TWO AREAS OF INTEREST.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01259

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

171

BASIN: PARADOX

STATUS: DOCUMENT DISTRIBUTED

TITLE: EVALUATION OF SEISMIC REFLECTION DATA IN THE DAVIS AND LAVENDER
CANYONS CANDIDATE AREA, PARADOX BASIN

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF AN EVALUATION OF THE
SEISMIC REFLECTION DATA OBTAINED FROM THE DAVIS AND LAVENDER
CANYONS AREAS IN THE PARADOX BASIN OF UTAH.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/20/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/29/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0606

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01634

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: NELSON

258

BASIN: PARADOX

STATUS: DOCUMENT DISTRIBUTED

TITLE: STRATIGRAPHIC AND STRUCTURAL CONFIGURATION OF THE NAVAJO
(JURASSIC) THROUGH OURAY (MISSISSIPPIAN-DEVONIAN) FORMATIONS IN
THE VICINITY OF DAVIS AND LAVENDER CANYONS, SOUTHEASTERN UTAH

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A STUDY WHICH DEVELOPED A
THREE-DIMENSIONAL COMPUTER MODEL OF STRATIGRAPHIC AND
STRUCTURAL RELATIONSHIPS WITHIN A 3,497 SQUARE KM AREA IN
SOUTHEASTERN UTAH. THE STUDY AREA IS CENTERED ON THE PROPOSED
SITE FOR A HIGH-LEVEL NUCLEAR WASTE REPOSITORY AT DAVIS
CANYON.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 10/31/86

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01383

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: NELSON

6

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: QUATERNARY STUDIES IN THE PARADOX BASIN, SOUTHEASTERN UTAH

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF SEVERAL STUDIES ON THE QUATERNARY OF THE PARADOX BASIN: HOLOCENE PALEOCLIMATE STUDIES, QUATERNARY HISTORY OF THE GRABENS AREA, AND AGE-DATING STUDIES.

PLANNED REVIEWS: ONWI-INTERNAL, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02078

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: HILEMAN

1126

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: MICROEARTHQUAKE STUDIES IN THE VICINITY OF THE CANE CREEK
POTASH MINE, PARADOX BASIN, UTAH

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A EFFORT DESIGNED TO
MONITOR SEISMICITY AT THE CANE CREEK POTASH MINE TO DETERMINE
WHETHER THE SEISMICITY PREVIOUSLY OBSERVED IN THE VICINITY OF
THE MINE WAS ASSOCIATED WITH THE MINING ACTIVITIES. THE
SOLUTION MINE, PREVIOUSLY A ROOM-AND-PILLAR MINE, WAS
UNDERGOING A MAJOR BRINE EXTRACTION AND REFILLING AT THE TIME.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01379

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: NELSON

261

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: GEOCHEMICAL INVESTIGATION OF GROUND WATER IN CATARACT CANYON,
UTAH

SUMMARY: THIS REPORT GIVES CHEMICAL AND ISOTOPIC DATA FOR SPRING
SAMPLES IN THE CATARACT CANYON. THE DATA ARE INTERPRETED TO
GIVE INFORMATION ON POSSIBLE DISCHARGE OF DEEP GROUND WATERS
IN THE SPRINGS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01176

SUBJECT CATEGORY: PARADOX BASIN HYDROLOGY (WBS 1.3.3.3.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: RAZEM

58

BASIN: PARADOX

STATUS: DOCUMENT DISTRIBUTED

TITLE: PRELIMINARY HYDROLOGIC BUDGET STUDIES, INDIAN CREEK WATERSHED
AND VICINITY, WESTERN PARADOX BASIN, UTAH

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A PRELIMINARY WATER
BALANCE CALCULATION FOR THE HYDROLOGIC SYSTEM IN THE INDIAN
CREEK WATERSHED AREA AND VICINITY OF THE PARADOX BASIN IN
UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/07/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 07/07/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0593

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01380

SUBJECT CATEGORY: PARADOX BASIN GEOCHEMISTRY (WBS 1.3.3.3.4)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: NELSON

262

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: STATUS REPORT: GEOCHEMICAL INTERACTIONS BETWEEN GROUND WATER
AND PALEOZOIC STRATA, GIBSON DOME AREA, SOUTHEASTERN UTAH

SUMMARY: THIS DOCUMENT USES CHEMICAL, ISOTOPIC AND MINERALOGIC DATA TO
PROVIDE INFORMATION ON WATER-ROCK REACTIONS IN THE GIBSON
DOME AREA OF THE PARADOX BASIN.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, SCP CG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 08006

SUBJECT CATEGORY: PARADOX BASIN GEOCHEMISTRY (WBS 1.3.3.3.4)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KIRCHER

1051

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: ESTIMATES OF POROSITY AND MAXIMUM POTASSIUM, URANIUM AND
THORIUM FROM GEOPHYSICAL LOGS OF DEEP AQUIFERS, PARADOX BASIN,
UTAH

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF ANALYSIS OF
MULTIPARAMETER GEOPHYSICAL LOGS FOR THE LEADVILLE LIMESTONE
AT THE GD-1 BOREHOLE SITE IN THE PARADOX BASIN. IT ALSO
PRESENTS UPPER LIMITS OF POTASSIUM, URANIUM AND THORIUM
CONCENTRATIONS IN THE AREA USING GROSS GAMMA-RAY LOGGING.

PLANNED REVIEWS: BFEC-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01132

SUBJECT CATEGORY: PARADOX BASIN ENVIRONMENT (WBS 1.3.3.3.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: KASHANI

251

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: BIOLOGICAL EVALUATION OF THE DAVIS CANYON TRANSPORTATION
CORRIDORS

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A STUDY PERFORMED TO
IDENTIFY AND EVALUATE THE PRESENCE OF IMPORTANT BIOLOGICAL
RESOURCES ALONG SIX ALTERNATIVE TRANSPORTATION CORRIDORS
WHICH LEAD FROM THE PROPOSED DAVIS CANYON CRWM SITE TO A RAIL
CONNECTION NEAR MOAB, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BECHTEL NATIONAL INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01443

SUBJECT CATEGORY: PARADOX BASIN ENVIRONMENT (WBS 1.3.3.3.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: KASHANI

103

BASIN: PARADOX.

STATUS: WORK IN PROGRESS

TITLE: FLOOD STUDY: DAVIS CANYON SITE, PARADOX BASIN, UTAH

SUMMARY: THIS REPORT PRESENTS A PRELIMINARY CHARACTERIZATION OF THE FLOOD HYDROLOGY AND OF THE FLOODING POTENTIAL AT THE PROPOSED NUCLEAR REPOSITORY SITE AT DAVIS CANYON, UTAH. THIS SITE IS LOCATED IN THE GIBSON DOME AREA OF SOUTHEAST UTAH AT AN ELEVATION OF ABOUT 1570 METERS (5150 FEET) ABOVE MEAN SEA LEVEL.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: BECHTEL NATIONAL INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01243

SUBJECT CATEGORY: PARADOX BASIN ENVIRONMENT (WBS 1.3.3.3.6)

DOE CONTACT PERSON: LADINO

RESPONSIBLE MANAGER: THOMAS T 100

BASIN: PARADOX STATUS: WORK IN PROGRESS

TITLE: ECOSYSTEM STUDIES: BIOTA OF COTTONWOOD AND INDIAN CREEK CANYONS,
UTAH

SUMMARY: THE SITES WERE SURVEYED FOR THREATENED AND ENDANGERED PLANT
AND ANIMAL SPECIES. NO SPECIES OF RARE OR UNUSUAL PLANTS WERE
OBSERVED DURING THE INVENTORY AND NO THREATENED OR ENDANGERED
VERTEBRATE SPECIES WERE OBSERVED DURING THE SURVEY.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: BECHTEL NATIONAL INC

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SALT REPOSITORY PROJECT

REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01294

SUBJECT CATEGORY: PARADOX BASIN SITE PERFORMANCE ASSESSMENT (WBS
1.3.3.3.8)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: GUPTA

89

BASIN: PARADOX

STATUS: DOCUMENT DISTRIBUTED

TITLE: SECOND STATUS REPORT ON REGIONAL GROUND-WATER FLOW MODELING FOR
THE PARADOX BASIN, UTAH

SUMMARY: THIS REPORT PRESENTS RESULTS FROM GROUND-WATER FLOW MODELING
OF THE POTENTIAL SALT SITES FOR ESTIMATION OF GROUND WATER
TRAVEL TIME FROM REPOSITORY TO HOST SALT ROCK.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 01/16/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01328

SUBJECT CATEGORY: GULF COAST SALT DOMES GEOLOGY (WBS 1.3.3.4.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: KUNTZ

80

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: STRUCTURE AND MINERALIZATION OF THE RICHTON DOME CAPROCK BORING
MRIG-9: PHASE I

SUMMARY: THIS REPORT CONTAINS THE RESULTS OF A STUDY TO INTERPRET
DEFORMATIONAL FABRICS AND MINERALIZATION OF THE RICHTON DOME
CAPROCK THROUGH VISUAL INSPECTION OF CORE. THIS STUDY WILL
PROVIDE INSIGHT TO CAPROCK PERMEABILITY, SOURCES OF
MINERALIZING FLUIDS, AND THE HISTORY OF CAPROCK DEVELOPMENT.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/30/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 10/31/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0610

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02095

SUBJECT CATEGORY: GULF COAST SALT DOMES GEOLOGY (WBS 1.3.3.4.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HILEMAN

414

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: GRAVITY MODELING STUDY, RICHTON DOME, MISSISSIPPI

SUMMARY: THIS REPORT DESCRIBES A NEW GRAVITY MODEL OF THE SIZE AND
SHAPE OF RICHTON DOME. THE NEW INTERPRETATION INCORPORATES
MORE GRAVITY DATA AND OTHER GEOPHYSICAL CONSTRAINTS THAN WERE
PREVIOUSLY AVAILABLE.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01260

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: GUPTA

975

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: FIRST STATUS REPORT ON REGIONAL GROUND-WATER FLOW MODELING FOR
VACHERIE DOME, LOUISIANA

SUMMARY: THIS REPORT PRESENTS THE EVALUATION OF REGIONAL GROUND-WATER
FLOW WITHIN THE PRINCIPLE GEOHYDROLOGIC UNITS IN THE VICINITY
OF VACHERIE DOME. A CONCEPTUAL MODEL OF THE FLOW REGIME WAS
DEVELOPED AND TESTED USING A THREE-DIMENSIONAL,
FINITE-DIFFERENCE FLOW CODE. THE REPORTED WORK IS THE FIRST
STAGE OF AN ONGOING EVALUATION OF VACHERIE DOME AS A
POTENTIAL REPOSITORY FOR HIGH-LEVEL RADIOACTIVE WASTES.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/13/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0602

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01344

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: GUPTA

97

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: SECOND STATUS REPORT ON REGIONAL GROUND-WATER FLOW MODELING FOR
RICHTON AND CYPRESS CREEK DOMES

SUMMARY: THIS REPORT PRESENTS RESULTS FROM GROUND-WATER FLOW MODELING
OF THE POTENTIAL SALT SITES FOR ESTIMATION OF GROUND WATER
TRAVEL TIME FROM REPOSITORY TO HOST SALT ROCK.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/13/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0605

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02398

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: PERRY

688

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: POTENTIOMETRIC-LEVEL MONITORING PROGRAM, MISSISSIPPI AND
LOUISIANA: ANNUAL STATUS REPORT FOR FISCAL YEAR 1984

SUMMARY: POTENTIOMETRIC-LEVEL DATA PRESENTED IN THIS REPORT WERE
COLLECTED FROM OCT 1983 THROUGH SEPT 1984 AT 79 WELLS LOCATED
NEAR RICHTON AND CYPRESS CREEK DOMES IN MISSISSIPPI AND
VACHERIE DOME IN LOUISIANA. FOURTEEN WELLS WERE ADDED TO THE
PROGRAM, TWO OF THESE WELLS WERE NOT MEASURABLE. TWO WELLS
PREVIOUSLY UNMEASURABLE WERE LOCATED AND MEASURED. ONE WELL
WAS DESTROYED DURING MILITARY MANEUVERS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/06/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0613

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01719

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: PERRY

1027

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: POTENTIOMETRIC-LEVEL MONITORING PROGRAM - MISSISSIPPI AND
LOUISIANA: ANNUAL STATUS REPORT FOR FISCAL YEAR 1985

SUMMARY: POTENTIOMETRIC-LEVEL DATA PRESENTED IN THIS REPORT WERE
COLLECTED AT 82 WELLS IN MISSISSIPPI AND LOUISIANA FROM OCT
1984 THROUGH SEPT 1985. THESE WELLS ARE LOCATED NEAR RICHTON
AND CYPRESS CREEK DOMES IN MISSISSIPPI AND VACHERIE DOME IN
LOUISIANA. THREE WELLS WERE REINSTATED TO THE PROGRAM, TWO
WERE DELETED, AND PROTECTIVE BARRIERS WERE INSTALLED AROUND
26 SHALLOW BORINGS IN MISSISSIPPI DURING THIS PERIOD.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/03/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/20/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0623

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01283

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: RAZEM 196

BASIN: GULF COAST STATUS: WORK IN PROGRESS

TITLE: SURFACE WATER STUDIES STATUS REPORT

SUMMARY: REPORT OUTLINES THE RESULTS OF CHEMICAL ANALYSIS PERFORMED ON
GROUNDWATER SAMPLES OBTAINED FROM STREAMS IN MISSISSIPPI.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01286

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: RAZEM

199

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: NEAR DOME STATUS REPORT

SUMMARY: THIS IS A REPORT DESCRIBING THE GROUND WATER MODEL USED TO
STUDY THE NEAR DOME HYDROGEOLOGY.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01285

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: PERRY 198

BASIN: GULF COAST STATUS: WORK IN PROGRESS

TITLE: REGIONAL GROUND WATER FLOW NEAR RICHTON AND CYPRESS CREEK DOMES,
MISSISSIPPI - ANNUAL STATUS REPORT FOR FISCAL YEAR 1984

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF GROUND WATER MODELING IN
THE MISSISSIPPI SALT DOME BASIN.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0640

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01785

SUBJECT CATEGORY: GULF COAST SALT DOMES HYDROLOGY (WBS 1.3.3.4.3)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: KUNTZ

1080

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: PROBABLE MAXIMUM FLOOD ANALYSIS - RICHTON DOME, MISSISSIPPI -
PHASE I

SUMMARY: THIS REPORT PRESENTS RESULTS OF A PRELIMINARY ANALYSIS OF THE
EXTENT OF INUNDATION THAT WOULD RESULT FROM A PROBABLE
MAXIMUM FLOOD (PMF) EVENT IN THE OVERDOME AREA OF RICHTON
DOME, MISSISSIPPI. THE TWO WATERSHEDS CONSIDERED IN THIS
ANALYSIS, BOGUE HOMO AND THOMPSON CREEK, DRAIN THE OVERDOME
AREA. THE U.S. CORPS OF ENGINEERS' HEC-1 FLOOD HYDROGRAPH
PACKAGE WAS USED IN THE ANALYSIS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/29/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0634

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01800

SUBJECT CATEGORY: GULF COAST SALT DOMES DEFERRED SITE CLOSE-OUT
(WBS 1.3.3.4.9)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: NELSON

1127

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: DEPOSITION OF CRETACEOUS AND TERTIARY SEDIMENTS IN THE EASTERN
MISSISSIPPI SALT BASIN

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF REGIONAL AND NEARDOME
GEOLOGIC INVESTIGATIONS THAT DESCRIBE THE SEDIMENTARY REGIME
IN WHICH THE RICHTON DOME DEVELOPED. THE RICHTON DOME IS A
SHALLOW SALT DOME LOCATED IN PERRY COUNTY, MISSISSIPPI,
WITHIN THE MISSISSIPPI SALT BASIN.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01720

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: CLARK

1034

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG REVIEW OF THE SRP SALT IRRADIATION EFFECTS PROGRAM

SUMMARY: THE ENGINEERING REVIEW GROUP (ERG) WAS ESTABLISHED BY ONWI TO
HELP EVALUATE ENGINEERING-RELATED ISSUES IN THE U.S. DOE'S
NUCLEAR WASTE REPOSITORY PROGRAM. THE AUG. 1985 MEETING OF
THE ERG REVIEWED THE SRP SALT IRRADIATION EFFECTS PROGRAM.
THIS REPORT DOCUMENTS THE ERG'S COMMENTS AND RECOMMENDATIONS
ON THESE SUBJECTS AND THE ONWI RESPONSE TO THE SPECIFIC
POINTS RAISED.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ERG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/15/86

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 11/26/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0626

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01625

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOODY

411

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROGRAM PLAN - DESCRIPTION OF WBS 4.0 ACTIVITIES

SUMMARY: THIS DOCUMENT DESCRIBES THE STATUS AND PLANS FOR THE
REPOSITORY DEVELOPMENT PROGRAM: INTEGRATION OF LABORATORY
TESTING WITH PROPOSED IN SITU TESTING, DEVELOPMENT OF MODELS,
DEFINING SPECIFICATIONS AND DATA BASES, AND INTEGRATING
REPOSITORY DESIGN WITH THESE DEVELOPMENT ACTIVITIES. THIS
DOCUMENT WILL ALSO ADDRESS THE TECHNICAL INTEGRATION OF
REPOSITORY WORK INTO THE SALT REPOSITORY DESIGN.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, REPD, TMP-17, PACG, WPCG, RCG, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01772

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 1033

BASIN: CANDIDATE SITE STATUS: WORK IN PROGRESS

TITLE: SITE CHARACTERIZATION PLAN (SCP) - REPOSITORY CONCEPTUAL DESIGN
REPORT EMPLOYING VERTICAL EMPLACEMENT OF WASTE PACKAGES

SUMMARY: THE CONCEPTUAL DESIGN OF A HIGH-LEVEL NUCLEAR WASTE
REPOSITORY IN SALT AT A PROPOSED SITE IN DEAF SMITH COUNTY,
TEXAS EMPLOYING VERTICAL EMPLACEMENT OF WASTE PACKAGES IS
DESCRIBED. SURFACE FACILITY, SHAFT AND UNDERGROUND OPERATIONS
ARE DESCRIBED. PLANS FOR SEALING AND DECOMMISSIONING AND A
DISCUSSION ON HOW THE REPOSITORY WILL SATISFY PERFORMANCE
OBJECTIVES ARE INCLUDED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
DOE/HQ, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/15/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 07501

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

1058

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: SITE CHARACTERIZATION PLAN (SCP) - REPOSITORY CONCEPTUAL DESIGN
REPORT EMPLOYING HORIZONTAL EMPLACEMENT OF WASTE PACKAGES

SUMMARY: THE CONCEPTUAL DESIGN OF A HIGH-LEVEL NUCLEAR WASTE
REPOSITORY IN SALT AT A PROPOSED SITE IN DEAF SMITH COUNTY,
TEXAS EMPLOYING HORIZONTAL EMPLACEMENT OF WASTE PACKAGES IS
DESCRIBED. SURFACE FACILITY, SHAFT AND UNDERGROUND OPERATIONS
ARE DESCRIBED. PLANS FOR SEALING AND DECOMMISSIONING THE
FACILITY AND A DISCUSSION OF HOW THE REPOSITORY WILL SATISFY
PERFORMANCE OBJECTIVES ARE INCLUDED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
DOE/HQ, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/15/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01531

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

155

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: DISPOSAL OF ABNORMAL AND MISCELLANEOUS WASTES REPORT

SUMMARY: THIS STUDY WILL IDENTIFY AND ESTIMATE THE AMOUNTS OF
MISCELLANEOUS MATERIALS (OTHER THAN SPENT FUEL, REPROCESSED
HLW, AND COMMERCIAL TRU WASTES) WHICH REQUIRE REPOSITORY
DISPOSAL BECAUSE OF THEIR RADIOACTIVITY LEVEL. THEY DO NOT
MEET THE CRITERIA FOR LLW AND CANNOT BE DISPOSED OF IN
LAND-FILL BURIAL SITES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, STATE
REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01537

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

332

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ADVANCE CONCEPTUAL DESIGN; BASIS FOR DESIGN

SUMMARY: THIS REPORT WILL DEFINE DETAILED REPOSITORY SPECIFICATIONS
FOR THE CONCEPTUAL AND PRELIMINARY (TITLE I) DESIGN PHASES.
THE REPORT WILL ALSO ADDRESS METHODS BY WHICH DESIGN CRITERIA,
CODES, AND REQUIREMENTS WILL BE MET. THE CRITERIA WILL BE
BASED ON APPLICABLE FEDERAL REGULATIONS, AS WELL AS
APPROPRIATE INDUSTRIAL CODES AND STANDARDS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, DESIGN, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01498

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

74

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: WASTE PACKAGE STATUS AND PLANNING ENGINEERING STUDY REPORT

SUMMARY: THIS REPORT WILL DOCUMENT THE STATUS OF FLUOR'S EVALUATION OF
THE WASTE PACKAGE DESIGN AS IT IMPACTS REPOSITORY CONCEPTUAL
DESIGN AND PLANS FOR FUTURE INPUT TO THE DESIGN.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-01

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 07500

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MALLONEE 1071

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: LIST OF REGULATIONS PERTAINING TO SAFEGUARDS AND SECURITY

SUMMARY: THIS REPORT IDENTIFIES THE REGULATIONS AND REQUIREMENTS
PERTAINING TO SAFEGUARDS AND SECURITY THAT ARE APPLICABLE TO
THE SALT REPOSITORY.

PLANNED REVIEWS: FLUOR-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-02

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01515

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

161

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: REPOSITORY ADVANCE CONCEPTUAL DESIGN REPORT

SUMMARY: THIS REPORT OF ALL BASE CONTRACT ENGINEERING ACTIVITIES WILL
COVER THE REPOSITORY DESCRIPTION, COST ESTIMATES AND
SCHEDULES NECESSARY TO COMPLETE THE PROJECT, DRAWINGS
PREPARED IN THE CONCEPTUAL DESIGN PHASE, AND THE ESTIMATE OF
REPOSITORY ENGINEERING/DESIGN AND CONSTRUCTION SCOPE AND
SCHEDULES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, STATE
REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01536

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

275

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: FINAL BASIS FOR ADVANCED CONCEPTUAL REPOSITORY DESIGN

SUMMARY: THIS REPORT PRESENTS THE COMPLETE FINAL SITE SPECIFIC
CONCEPTUAL BASIS FOR DESIGN OF A WASTE REPOSITORY IN SALT IN
SUPPORT OF THE FINAL CONCEPTUAL DESIGN.

PLANNED REVIEWS: FLUOR-INTERNAL, REGD, ERG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01538

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

325

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: NUCLEAR SAFETY HANDBOOK

SUMMARY: THIS HANDBOOK WILL IDENTIFY AND ESTABLISH THE ANALYTICAL
PROCEDURES, DATA, REFERENCE SOURCE CONDITIONS, AND METHODS TO
BE USED IN PERFORMING NUCLEAR SAFETY ANALYSIS FOR REPOSITORY
EQUIPMENT AND FACILITIES HANDLING FISSILE MATERIALS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02389

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

43

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: WASTE RECEIVING REPORT

SUMMARY: THE OBJECTIVE OF THIS STUDY IS TO ESTABLISH REPOSITORY WASTE RECEIVING AREA COMPATIBILITY WITH SHIPPING CONTAINERS, WASTE CANISTERS AND OTHER WASTE FORMS THAT WILL BE RECEIVED AND HANDLED AT THE SITE. THIS INVOLVES A STUDY OF TRANSPORTATION SYSTEMS AND WASTE FORMS AND CAN BE USED THROUGHOUT THE PROGRAM.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01891

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: SMITH S 1084

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT RETRIEVAL STRATEGY STUDY

SUMMARY: THIS REPORT DOCUMENTS A PRELIMINARY PROPOSED STRATEGY FOR
DEMONSTRATING COMPLIANCE WITH THE DOE DECEMBER 6, 1985,
POSITION ON RETRIEVABILITY AND RETRIEVAL FOR THE SALT
REPOSITORY PROJECT. THIS REPORT DESCRIBES EMPLACEMENT SYSTEM,
RETRIEVAL REQUIREMENTS AND DESIGN CRITERIA, POST-EMPLACEMENT
OPERATIONS, REPOSITORY CONDITIONS, RETRIEVAL METHODS,
RETRIEVAL DEMONSTRATIONS, FUTURE WORK, AND COST AND SCHEDULE.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI,FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/15/88

DELIVERABLE TYPE: SUBSYSTEM STRATEGY

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01070

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

135

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: PRELIMINARY THERMOMECHANICAL ANALYSES OF A CONCEPTUAL NUCLEAR
WASTE REPOSITORY AT FOUR SALT SITES

SUMMARY: THIS REPORT DESCRIBES PRELIMINARY THERMAL AND
THERMOMECHANICAL NUMERICAL ANALYSES OF A POTENTIAL NUCLEAR
WASTE REPOSITORY AT FOUR SALT SITES IN UTAH, TEXAS,
MISSISSIPPI, AND LOUISIANA. THE ANALYSIS IS SUBDIVIDED
ACCORDING TO THREE DISTINCT GEOMETRIC REGIONS: CANISTER,
DISPOSAL ROOM AND REPOSITORY.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/15/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0512

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01619

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

397

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: EXPONENTIAL-TIME CONSTITUTIVE LAW FOR PALO DURO UNIT 4 SALT
FROM THE J. FRIEMEL NO. 1 WELL

SUMMARY: VALUES FOR THE NINE PARAMETERS IN THE EXPONENTIAL-TIME
CONSTITUTIVE LAW ARE PRESENTED FOR PALO DURO UNIT 4 SALT. THE
SPECIMENS TESTED IN THIS STUDY ARE FROM TH

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/06/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0595

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01620

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

396

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: INFLUENCE OF VARIABLES ON THE CONSOLIDATION AND UNCONFINED
COMPRESSIVE STRENGTH OF CRUSHED SALT

SUMMARY: EIGHT HYDROSTATIC COMPRESSION CREEP TESTS WERE PERFORMED ON
CRUSHED SALT SPECIMENS FABRICATED FROM AVERY ISLAND DOME SALT,
FOLLOWED BY TESTING OF EACH SPECIMEN

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/06/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0627

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02194

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

524

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: PRELIMINARY ROCK MECHANICS LABORATORY INVESTIGATION PLAN

SUMMARY: THIS DOCUMENT PRESENTS THE RATIONALE FOR ROCK MECHANICS LABORATORY TESTING PLANNED FOR SITE CHARACTERIZATION OF A NUCLEAR WASTE REPOSITORY IN SALT. THIS PLAN IDENTIFIES WHAT INFORMATION IS REQUIRED FOR REGULATORY AND D DESIGN PURPOSES, AND THEN PRESENTS THE RATIONALE FOR THE TESTING WHICH SATISFIES THE REQUIRED INFORMATION NEEDS. IT IS INTENDED THAT THIS PLAN BE REVISED PERIODICALLY.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-17, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/15/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/13/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0630

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01622

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

394

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A SENSITIVITY STUDY OF BRINE TRANSPORT INTO A BOREHOLE
CONTAINING A COMMERCIAL HIGH-LEVEL CONTAINER

SUMMARY: IN THIS REPORT, A SET OF COUPLED FIELD EQUATIONS IS DEVELOPED
FOR TRANSPORT OF BRINE IN NATURAL ROCK SALT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/27/87

PUBLISHED REPORT NUMBER: ONWI-0384

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01453

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

337

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: AN INVESTIGATION OF ERRORS IN FIELD DETERMINED PERMEABILITY
COEFFICIENTS CAUSED BY STRESS FIELD, TEMPERATURE AND TEST
TECHNIQUE EFFECTS

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF RADIAL PERMEAMETER
TESTING OF THREE SALT SPECIMENS FROM AVERY ISLAND.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: SCIENCE APPLICATIONS INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01592

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

403

BASIN: GENERIC

STATUS: WORK IN PROGRESS

**TITLE: THERMOMECHANICAL ANALYSES OF CONCEPTUAL REPOSITORY DESIGNS FOR
THE PARADOX AND PERMIAN BASINS**

**SUMMARY: THE THERMAL AND THEMOMECHANICAL ASPECTS OF SPECIFIC
CONCEPTUAL REPOSITORY DESIGNS ARE EVALUATED FOR POTENTIAL
SALT REPOSITORY SITES AT THE PARADOX BASIN IN SOUTHEASTERN
UTAH AND THE PERMIAN BASIN IN NORTHWESTERN TEXAS.**

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01617

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

399

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SIMULATION OF THE SANDIA LABORATORY SALT BLOCK II BRINE
MIGRATION TEST

SUMMARY: THE FINITE ELEMENT CODE, SPECTROM-58, IS USED TO SIMULATE THE
SALT BLOCK II BRINE MIGRATION EXPERIMENT. THE MEASURED
RESULTS OF THE SALT BLOCK II EXPERIMENT ARE WITHIN THE RANGE
OF THE SPECTROM-58 COMPUTED RESULTS. HOWEVER, THE RANGE IN
CALCULATED RESULTS THAT ARISES FROM THE UNCERTAINTY IN THE
INPUT QUANTITIES IS SO LARGE THAT AN EVALUATION OF THE
APTNESS OF SPECTROM-58 IS PRECLUDED.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01354

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

116

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: FIRST REVISION OF THE EXPONENTIAL TIME CREEP LAW FOR AVERY
ISLAND HALITE

SUMMARY: THESE ARE REPORTS ON ADDITIONAL CREEP TESTS WHICH WERE
PERFORMED FOR LONGER DURATIONS AT LOWER TEMPERATURES AND
STRESS TO REEVALUATE PARAMETER VALUES.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01865

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

1069

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ROCK MECHANICS EVALUATION OF POTENTIAL REPOSITORY SITES IN THE
PARADOX, PERMIAN, AND GULF COAST BASINS

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF THERMAL AND
THERMOMECHANICAL ANALYSES OF A CONCEPTUAL RADIOACTIVE WASTE
REPOSITORY LOCATED IN VARIOUS SALT FORMATIONS THROUGHOUT THE
UNITED STATES. THESE ANALYSES HAVE BEEN PERFORMED USING
FINITE ELEMENT MODELS. FOUR BEDDED SALT FORMATIONS AND THREE
SALT DOMES WERE EXAMINED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01866

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

1062

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: INTRACRYSTALLINE BRINE INCLUSION MOTION FOR PALO DURO UNIT 5
SALT FROM THE MANSFIELD NO. 1 BOREHOLE IN OLDHAM COUNTY, TEXAS

SUMMARY: A MICROSCOPE EQUIPPED WITH A HOT-STAGE WAS USED TO MONITOR
INTRACRYSTALLINE MIGRATION OF NATURAL FLUID INCLUSIONS.
STEADY-STATE VELOCITIES ARE DETERMINED FOR 65 INCLUSIONS
BETWEEN 0.04MM AND 0.082MM IN SIZE SUBJECTED TO TEMPERATURE
GRADIENTS BETWEEN 200 K/M AND 1,440 K/M AT TEMPERATURES OF
318K TO 475K. INCLUSION VELOCITY INCREASES WITH INCREASING
SIZE, MEAN SALT TEMPERATURE, AND TEMPERATURE GRADIENT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01529

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: RUTKAUSKAS

244

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ROCK MECHANICS MODELS EVALUATION REPORT

SUMMARY: GENERAL COMPUTER MODELS HAVE BEEN DEVELOPED TO PREDICT THE REPOSITORY ROCK MASS RESPONSE ON THREE PHYSICAL SCALES. THIS STUDY WILL CONTAIN AN ASSESSMENT OF THE CURRENT STATUS OF THE MODELS AND AN EVALUATION OF THEIR APPLICATION TO REPOSITORY SUBSURFACE DESIGN.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01449

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: OSCHMAN

120

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: INFLUENCE OF IMPURITIES ON THE CREEP OF SALT FROM THE PALO DURO
BASIN

SUMMARY: THIS REPORT CONTAINS THE RESULTS OF ELEVEN TRIAXIAL
COMPRESSION CREEP TESTS AND PETROFABRIC DETERMINATIONS ON
PERMIAN SALT SAMPLES OF VARYING IMPURITY LEVELS FROM THE
WOODS/HOLTZCLAW WELL.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01912

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: VAKILI

1124

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: POTENTIAL CONSTITUTIVE MODELS FOR SALT

SUMMARY: RESULTS ARE GIVEN OF A LITERATURE SURVEY PERFORMED TO DOCUMENT THE THERMOMECHANICAL PHENOMENA AND MICROMECHANICAL PROCESSES OBSERVED FOR SALT OVER THE RANGES OF STRESS AND TEMPERATURE OF INTEREST FOR A HIGH-LEVEL NUCLEAR REPOSITORY. EIGHT CONSTITUTIVE MODELS WERE SELECTED FOR MODELING VISCOPLASTIC DEFORMATION AND TWO MODELS WERE SELECTED TO MODEL BRITTLE DEFORMATION.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01621

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

395

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: INTERIM EVALUATION OF EIGHT SALT VISCOPLASTIC LAWS

SUMMARY: THIS REPORT PRESENTS A PRELIMINARY EVALUATION OF EIGHT VISCOPLASTIC CONSTITUTIVE LAWS FOR SALT. FOUR OF THE CONSTITUTIVE MODELS WERE FOUND TO BE INADEQUATE FOR REPRESENTING THE OBSERVED BEHAVIOR OF SALT. THE REMAINING FOUR LAWS WERE FIT TO A SERIES OF CONSTANT STRESS (CREEP) AND CONSTANT STRAIN-RATE TESTS ON AVERY ISLAND SALT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/20/88

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01618

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: COMAR

RESPONSIBLE MANAGER: HUME

398

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: INFLUENCE OF END EFFECTS ON THE STRAIN DISTRIBUTION IN SALT
SUBJECTED TO UNIAXIAL COMPRESSION

SUMMARY: AN EXPERIMENT WAS PERFORMED TO DETERMINE IF END EFFECTS
INTRODUCED BY FRICTION IN THE PLATEN-SPECIMEN INTERFACES
SIGNIFICANTLY INFLUENCE THE STRAIN DISTRIBUTION

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/05/89

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01532

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

329

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: WASTE PROCESS AND MINE EMPLACEMENT REPORT

SUMMARY: THIS REPORT WILL PRESENT THE RESULTS OF AN EVALUATION OF THE INDIVIDUAL STEPS INVOLVED IN WASTE PROCESSING AND EMPLACEMENT TO ENSURE DESIGN OF A FULLY INTEGRATED SYSTEM AND WILL DEFINE THE INTERFACES AMONG THE WASTE PACKAGING/HANDLING FACILITY, THE WASTE TRANSFER SHAFT, AND THE REPOSITORY SUBSURFACE. THE REPORT WILL ADDRESS ALL WASTE RELATED TOPICS INCLUDING POTENTIAL RETRIEVAL OPERATIONS IN THE REPOSITORY.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, DESIGN, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01495

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

53

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: CONTAMINATION CONTROL REPORT

SUMMARY: THIS REPORT WILL DOCUMENT THE APPROACH TO CONTAMINATION
CONTROL FOR THE WASTE HANDLING/PACKAGING FACILITIES AT THE
REPOSITORY.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01497

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

69

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: RELIABILITY, AVAILABILITY AND MAINTENANCE REPORT

SUMMARY: THIS REPORT WILL DOCUMENT FLUOR'S PRELIMINARY APPROACH TO
RELIABILITY, AVAILABILITY AND MAINTENANCE (RAM), WITH SPECIAL
EMPHASIS ON REMOTELY OPERATED AND MAINTAINED EQUIPMENT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01503

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 110

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: REQUIREMENTS FOR UNIQUE SUBSURFACE SPECIAL PROCESS EQUIPMENT

SUMMARY: SEVERAL REPOSITORY PROCESS UNIT OPERATIONS HAVE BEEN
PERFORMED BY MECHANICAL EQUIPMENT UNDERGROUND AT THE
ANTICIPATED HANDLING RATES. THE RESULTS OF THIS STUDY WILL BE
THE IDENTIFICATION OF ENGINEERING DESIGN PERFORMANCE CRITERIA
AND FUNCTIONS FOR WASTE PACKAGE HANDLING EQUIPMENT PROTOTYPES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01514

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

160

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY WASTE PACKAGE RETRIEVABILITY

SUMMARY: THE OBJECTIVE OF THIS STUDY IS TO IDENTIFY THE IMPACTS OF
RETRIEVABILITY ON CONCEPTUAL DESIGN, DEVELOP THE ENGINEERING
REQUIREMENTS FOR RETRIEVABILITY, AND MAKE RECOMMENDATIONS
REGARDING THE RETRIEVABILITY ISSUE.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, STATE
REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01525

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

229

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SPECIAL PROCESS EQUIPMENT REPORT

SUMMARY: THE EQUIPMENT NEEDED FOR SUBSURFACE HANDLING, EMPLACEMENT,
AND POSSIBLE RETRIEVAL OF NUCLEAR WASTE ARE UNIQUE FROM OTHER
TYPES OF EQUIPMENT CURRENTLY USED IN MINING OR UNDERGROUND
ACTIVITIES. THIS REPORT WILL DOCUMENT THE CONCEPTS STUDIED
AND SELECTED AND WILL CONTAIN APPROPRIATE DRAWINGS AND
DEVELOPMENT SCHEDULES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02265

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

11

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: UNDERGROUND EXCAVATION PROCESS SYSTEMS STUDY REPORT

SUMMARY: EXCAVATING PROCESS EQUIPMENT STUDIES PERFORMED FOR THIS
REPORT WILL TARGET TWO ISSUES: 1) CONTINUOUS MINING MACHINERY;
AND 2) CONVENTIONAL COMMERCIALY AVAILABLE TECHNOLOGY.
TRADE-OFF STUDIES THAT ADDRESS HOW THE LONG-TERM CRWM PROGRAM
PLANS MIGHT BE BEST SERVED WILL BE DOCUMENTED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01504

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

114

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: GEOTECHNICAL SYSTEM MONITORING AND CONTROL REPORT

SUMMARY: GEOTECHNICAL PERFORMANCE ISSUES THAT SHOULD BE MONITORED
DURING OPERATION WILL BE IDENTIFIED AND A BRIEF DESCRIPTION
OF THE MONITORING SYSTEM WILL BE DOCUMENTED IN ORDER TO FORM
A BASIS FOR COST ESTIMATING.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/30/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01506

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 130

BASIN: GENERIC STATUS: WORK IS PLANNED

TITLE: SUBSURFACE RADIATION MONITORING AND CONTROL REPORT

SUMMARY: SUBSURFACE FACILITIES DESIGN WILL INCLUDE PROVISIONS FOR
MONITORING RADIOLOGICAL AND OCCUPATIONAL RADIATION SAFETY
CONDITIONS FOR THE REPOSITORY UNDERGROUND WORK FORCE. THESE
MONITORING SYSTEMS WILL BE DOCUMENTED IN THIS REPORT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/01/88

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02283

SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

22

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SUBSURFACE MONITORING AND CONTROL SYSTEMS RAM ANALYSIS REPORT

SUMMARY: THE ISSUES OF RELIABILITY, AVAILABILITY, AND MAINTENANCE
(RAM) REQUIREMENTS FOR INSTRUMENTATION PACKAGES PLACED IN
SERVICE IN AN UNDERGROUND ENVIRONMENT WILL BE DEFINED IN THIS
REPORT. AN ESTIMATE OF ENGINEERING DESIGN COST AND SCHEDULES
FOR SPECIAL EQUIPMENT NEEDS WILL BE INCLUDED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/01/88

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01513

**SUBJECT CATEGORY: REPOSITORY EQUIPMENT AND INSTRUMENTATION
DEVELOPMENT (WBS 1.3.4.2.2)**

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 159

BASIN: GENERIC **STATUS: WORK IS PLANNED**

TITLE: PRELIMINARY DESIGN BASIS ACCIDENTS AND EVENTS

**SUMMARY: THIS STUDY WILL COVER PRELIMINARY HAZARD AND ACCIDENT
ANALYSES OF REPOSITORY BUILDINGS, FACILITIES, AND SYSTEMS TO
IDENTIFY POTENTIAL ACCIDENTS AND CONSEQUENCES.**

**PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, STATE
REPRESENTATIVES, DOE/SRPO, PATENT**

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01279

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

192

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A FULL-SCALE BOREHOLE SEALING TEST IN SALT UNDER SIMULATED
DOWNHOLE CONDITIONS

SUMMARY: THIS REPORT DESCRIBES THE FULL-SCALE BOREHOLE SEALING TEST
CONDUCTED IN AVERY ISLAND DIAPERIC SALT. THE TEST WAS
PERFORMED UNDER SIMULATED IN-SITU STRESS AND TEMPERATURE OF A
THEORETICAL SALT NUCLEAR WASTE REPOSITORY AND IT EVALUATED
THE SEALING PERFORMANCE AND THE EFFECT OF THE GROUT ON THE
SALT, TEMPERATURE AND PRESSURE.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TERRA TEK

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/20/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0573(V1)

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01419

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

990

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A FULL-SCALE BOREHOLE SEALING TEST UNDER SIMULATED DOWNHOLE
CONDITIONS

SUMMARY: THIS REPORT PRESENTS AN EVALUATION OF THE PERFORMANCE OF
LARGE-SCALE TESTING OF THE PERMEABILITY TO BRINE OF A
SALT/GROUT SAMPLE DESIGNED TO SIMULATE A BOREHOLE PLUG. POST
TEST CHARACTERIZATION INCLUDED A DETAILED STUDY OF THE
SALT-GROUT INTERFACE AS WELL AS DETERMINATION OF THE
PHYSICAL/MECHANICAL PROPERTIES OF GROUT SAMPLES MOLDED AT
TERRA TEK AT THE TIME OF THE TEST.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: TERRA TEK

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/20/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0573(V2)

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01160

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MYERS

446

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY SEALING MATERIALS DEVELOPMENT PROGRAM: 5-YEAR
WORK PLAN

SUMMARY: THIS PLAN COVERS WORK IN THE REPOSITORY SEALING MATERIALS
PROGRAM IN FISCAL YEARS 1986 THROUGH 1990 TO SUPPORT DESIGN
DECISIONS AND LICENSING ACTIVITIES FOR A SALT REPOSITORY. IT
WILL BE THE STARTING POINT FOR PREPARING OTHER DEVELOPMENT
PLANS IN THE SEALING PROGRAM, BUT IS SUBJECT TO CHANGE IF
PREPARATION OF THE WORK PLAN INDICATES THAT A DIFFERENT
APPROACH OR SEQUENCE IS PREFERABLE.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/86

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 07/03/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0600

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01418

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

193

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

**TITLE: A FULL-SCALE BOREHOLE SEALING TEST IN ANHYDRITE UNDER SIMULATED
DOWNHOLE CONDITIONS**

**SUMMARY: THIS REPORT DESCRIBES TEST PROCEDURES AND RESULTS OF A
FULL-SCALE BOREHOLE SEALING EXPERIMENT IN A ROCK RELEVANT TO
A REPOSITORY IN SALT.**

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: TERRA TEK

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/23/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0581(V1)

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01485

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

375

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: A FULL-SCALE BOREHOLE SEALING TEST IN ANHYDRITE UNDER SIMULATED
DOWNHOLE CONDITIONS

SUMMARY: THIS REPORT DESCRIBES THE LARGE BENCH-SCALE PERMEABILITY
TESTING OF AN ANHYDRITE ROCK AND A GROUT DESIGNED TO ACT AS A
SEAL IN CONTACT WITH THIS ROCK AS TESTED AT THE TERRA TEK
FACILITY IN SALT LAKE CITY, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: PENNSYLVANIA STATE UNIVERSITY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/86

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01685

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: GOPAL

996

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG REVIEW OF CONTAINMENT FAILURE PROBABILITY AND REPOSITORY
FUNCTIONAL DESIGN CRITERIA

SUMMARY: THE JUNE 1984 MEETING OF THE ENGINEERING REVIEW GROUP (ERG)
CONSIDERED TWO TOPICS: 1) STATISTICAL PROBABILITY FOR
CONTAINMENT OF NUCLIDES WITHIN THE WASTE PACKAGE AND 2)
REPOSITORY DESIGN CRITERIA. THIS REPORT DOCUMENTS THE ERG'S
COMMENTS AND RECOMMENDATIONS ON THESE TWO SUBJECTS AND THE
ONWI RESPONSE TO THE SPECIFIC POINTS RAISED.

PLANNED REVIEWS: ONWI-INTERNAL,QAD,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ERG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/15/86

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/30/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0608

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01705

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

1015

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG REVIEW OF WASTE PACKAGE CONTAINER MATERIALS SELECTION AND
CORROSION

SUMMARY: THE OCTOBER 1984 MEETING OF THE ENGINEERING REVIEW GROUP
(ERG) REVIEWED THE WASTE PACKAGE CONTAINER MATERIALS
SELECTION AND CORROSION. THIS REPORT DOCUMENTS THE ERG'S
COMMENTS AND RECOMMENDATIONS ON THESE SUBJECTS AND THE ONWI
RESPONSE TO THE SPECIFIC POINTS RAISED BY THE ERG.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ERG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/20/86

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/22/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0611

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01707

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MYERS 1017

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: LABORATORY INVESTIGATION OF CRUSHED SALT CONSOLIDATION AND
FRACTURE HEALING

SUMMARY: A LABORATORY TEST PROGRAM WAS CONDUCTED TO INVESTIGATE THE
CONSOLIDATION BEHAVIOR OF CRUSHED SALT AND FRACTURE HEALING
IN NATURAL AND ARTIFICIAL SALT. CRUSHED SALT IS PROPOSED FOR
USE AS BACKFILL IN A NUCLEAR WASTE REPOSITORY IN SALT.
ARTIFICIAL BLOCK SALT IS PROPOSED FOR USE IN SEALING SUCH A
REPOSITORY. THIS REPORT PRESENTS THE RESULTS OF THIS TEST
PROGRAM.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: IT CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/20/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0631

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01508

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

138

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SEALING SYSTEMS STATUS AND PLANNING REPORT

SUMMARY: THIS REPORT WILL DOCUMENT THE STATUS OF THE SEALING PROGRAM
AT THE END OF CONCEPTUAL DESIGN AND WILL CONTAIN A PLAN FOR
FUTURE WORK NEEDED IN THIS AREA.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: TEST/ANALYSIS PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01731

SUBJECT CATEGORY: REPOSITORY FACILITIES (WBS 1.3.4.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: GOODELL

1060

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT SHAFT DESIGN GUIDE

SUMMARY: THIS DOCUMENT PROVIDES GUIDANCE IN DEVELOPING SHAFT DESIGNS FOR THE DEAF SMITH COUNTY, TEXAS REPOSITORY IN SALT. THE DESIGN GUIDE IS BASED ON CURRENT MINING INDUSTRY STANDARDS AND PRACTICES ENHANCED TO MEET THE LICENSING AND QUALITY ASSURANCE REQUIREMENTS ANTICIPATED FOR AN UNDERGROUND NUCLEAR WASTE REPOSITORY. IT ALSO PROVIDES A MEANS FOR A COMMON APPROACH TO DESIGN OF THE EXPLORATORY AND REPOSITORY SHAFTS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR, PB-KBB

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 07502

SUBJECT CATEGORY: REPOSITORY FACILITIES (WBS 1.3.4.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MALLONEE

1070

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: APPLICABILITY OF GASSY MINE REGULATIONS

SUMMARY: THIS STUDY REVIEWED THREE BODIES OF CURRENT MINE SAFETY AND HEALTH ADMINISTRATION (MSHA) GASSY MINE REGULATIONS TO ADDRESS WHETHER CFR 30 PART 57 SECTION 21 OR PARTS 75 AND 77 ARE MORE APPLICABLE TO A SUBSURFACE REPOSITORY DESIGN. IT WAS DETERMINED THAT PART 57.21 WAS MORE APPLICABLE.

PLANNED REVIEWS: FLUOR-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-04

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01496

SUBJECT CATEGORY: REPOSITORY SITE PREPARATION (WBS 1.3.4.3.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

331

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: OFFSITE UTILITY SUPPLY REPORT

SUMMARY: THE REPORT WILL DEVELOP PRELIMINARY ESTIMATES OF REPOSITORY SUPPLY REQUIREMENTS OF EACH UTILITY (E.G. INSTANTANEOUS, PEAK, ANNUAL AND MONTHLY AVERAGE DEMAND) AND IDENTIFY SUPPLIERS WITHIN THE REPOSITORY GEOGRAPHIC SERVICE AREA. ALTERNATIVE UTILITY ACCESS CORRIDORS WILL ALSO BE EVALUATED.

PLANNED REVIEWS: ONWI-INTERNAL, FLUOR-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01542

SUBJECT CATEGORY: REPOSITORY SITE PREPARATION (WBS 1.3.4.3.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

327

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SITE ARRANGEMENT CRITERIA

SUMMARY: THIS REPORT SHALL DEFINE THE CRITERIA TO BE USED TO ESTABLISH THE ARRANGEMENT OF FACILITIES, EQUIPMENT, AND OTHER SURFACE FEATURES FOR THE REPOSITORY SITE. CRITERIA SHALL BE BASED ON APPLICABLE FEDERAL REGULATORY CODES AND STANDARDS, TAKING INTO ACCOUNT THE EXISTING SITE CONDITION.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01543

SUBJECT CATEGORY: REPOSITORY SITE PREPARATION (WBS 1.3.4.3.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

324

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: OFFSITE TRANSPORTATION DESIGN CRITERIA

SUMMARY: THIS REPORT WILL DEVELOP DESIGN CRITERIA FOR THE RAIL AND ROAD TRANSPORTATION ACCESS CORRIDORS SERVING THE REPOSITORY SITE. IT WILL CONSIDER THE REQUIREMENTS FOR MOVING CONSIDERATION AND CAPITAL EQUIPMENT TO THE SITE.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01541

SUBJECT CATEGORY: REPOSITORY SITE PREPARATION (WBS 1.3.4.3.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

322

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: EXPLORATORY SHAFT OPERATIONS IMPACT REPORT

SUMMARY: THIS REPORT WILL IDENTIFY IMPACTS OF BOTH EXPLORATORY SHAFT
AND TEF OPERATIONS ON SITE PREPARATION AND REPOSITORY
CONSTRUCTION.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: SYSTEMS STUDY REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01502

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

108

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: HANDICAPPED PERSONS STUDY REPORT

SUMMARY: SOME REPOSITORY FACILITIES WILL REQUIRE HANDICAP FACILITIES BOTH FOR VISITORS AND FOR THE WORK FORCE. THIS STUDY WILL CONTAIN AN IDENTIFICATION OF THE MAJOR BUILDINGS, AREAS, AND FACILITIES HAVING HANDICAP FEATURES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01493

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

51

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ENVIRONMENTAL MONITORING SYSTEM REPORT

SUMMARY: IN THIS REPORT, THE REPOSITORY ENVIRONMENTAL MONITORING REQUIREMENTS AND PERFORMANCE CRITERIA WILL BE IDENTIFIED IN ORDER TO ESTABLISH A BASIS FOR DESIGN. THE SELECTED CONCEPTUAL DESIGN APPROACH WILL THEN BE DOCUMENTED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01494

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

52

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SHIELDING REQUIREMENTS REPORT

SUMMARY: THIS REPORT WILL DOCUMENT THE SHIELDING REQUIREMENTS FOR EACH WASTE TYPE HANDLING AND PROCESSING STEPS. INCLUDED WILL BE SOURCE TERMS AND WASTE GEOMETRIES THAT ARE CONVERTED INTO EQUIVALENT GAMMA AND NEUTRON SOURCE MAPS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01500

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

87

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY WATER MANAGEMENT REPORT

SUMMARY: WATER SUPPLIES AVAILABLE AT THE POTENTIAL REPOSITORY SITES ARE EITHER LIMITED OR EXCESSIVE USE COULD CAUSE SEVERE LOCAL IMPACTS, BOTH ENVIRONMENTALLY AND POLITICALLY. IN THIS REPORT, TOTAL REPOSITORY WATER NEEDS DURING BOTH THE CONSTRUCTION AND OPERATIONAL PHASES WILL BE IDENTIFIED ALONG WITH A TIME-PHASED WATER USE PLAN.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01509

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

140

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: BALANCE OF PLANT CONSOLIDATION ASSESSMENT REPORT

SUMMARY: AN ANALYSIS AS TO WHERE CERTAIN REPOSITORY SUPPORT SERVICES SHOULD BE CONSOLIDATED OR WHETHER CENTRALIZATION OF SERVICES CAN BE ACHIEVED TO REDUCE/MINIMIZE UTILITY DISTRIBUTION RUNS WILL BE PERFORMED. THIS REPORT WILL CONTAIN THE IDENTIFICATION OF ALTERNATIVES AND DOCUMENT THE BASIS FOR SELECTION FOR SUPPORT SERVICE SYSTEMS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, TECHNICAL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02284

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

27

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: CONTROL PHILOSOPHY REPORT

SUMMARY: THE OBJECTIVE OF THIS STUDY IS THE IDENTIFICATION AND
EVALUATION OF APPLICABLE CONTROL AND MONITORING SYSTEMS TO
DETERMINE CENTRALIZED VS. DISTRIBUTED CONTROLS, SYSTEM
REDUNDANCY AND CONTROL ROOM DESIGN APPROACH.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01522

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

218

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SPECIAL FUNCTIONAL AREA REQUIREMENTS REPORT

SUMMARY: THIS STUDY WILL BE DONE TO DETERMINE FUNCTIONAL REQUIREMENTS AND DOCUMENT A CONCEPTUAL DESIGN FOR AN AREA OR AREAS WITHIN THE WASTE HANDLING/PACKAGING FACILITY FOR SPECIAL HANDLING OR PACKAGING OPERATIONS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/31/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01512

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

158

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: REPOSITORY BACK-UP POWER SYSTEMS

SUMMARY: THIS STUDY WILL IDENTIFY POWER AVAILABILITY REQUIREMENTS FOR REPOSITORY SAFETY SYSTEMS, DEVELOP BACK-UP POWER PERFORMANCE REQUIREMENTS THAT MEET AVAILABILITY REQUIREMENTS AND PERFORM A CONCEPTUAL DESIGN OF REPOSITORY BACK-UP POWER SYSTEMS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, STATE REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: DESIGN REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01517

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

165

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: TRANSURANIC (TRU) WASTE PROCESSING REPORT

SUMMARY: THIS STUDY WILL CONTAIN AN IDENTIFICATION OF FACILITIES AS
REQUIRED FOR ONSITE PROCESSING AND TREATMENT OF COMMERCIAL
TRU WASTES, ALONG WITH THE QUANTITIES AND COMPOSITION,
PROCESS FLOW DIAGRAMS, EQUIPMENT LISTS, AND EQUIPMENT
PERFORMANCE SHEETS FOR MAJOR EQUIPMENT AND UTILITIES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/88

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02431

SUBJECT CATEGORY: REPOSITORY SURFACE FACILITIES (WBS 1.3.4.3.2)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

47

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: RADWASTE SYSTEM REPORT

SUMMARY: THE OBJECTIVE OF THIS STUDY IS TO DEVELOP A CONSOLIDATED REPOSITORY-WIDE SOLID AND LIQUID RADWASTE TREATMENT SYSTEM. SOURCES OF REPOSITORY-GENERATED RADWASTE FROM BOTH NORMAL OPERATION AND POTENTIAL ACCIDENTS WILL BE IDENTIFIED BY SOURCES, COMPOSITION, RADIONUCLIDE AND GENERATION RATES.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/30/88

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01138

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: SMITH L

38

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: HEAT TRANSFER WITHIN SPENT FUEL CANISTERS: AN EXPERIMENTAL
LABORATORY STUDY

SUMMARY: HEAT TRANSFER CORRELATIONS ARE DEVELOPED FOR A VERTICAL
ANNULUS WHERE THE INNER CYLINDER IS ELECTRICALLY HEATED AT A
RATE SCALED TO THAT EXPECTED IN A TYPICAL PRESSURIZED OR
BOILING WATER REACTOR ASSEMBLY.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: OHIO STATE UNIVERSITY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01520

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

184

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: WASTE HOIST TECHNOLOGY REPORT

SUMMARY: THIS STUDY WILL CONTAIN AN EVALUATION OF CURRENT HOISTING
DESIGN AND A RECOMMENDATION TO SATISFY WASTE PACKAGE TRANSFER
FUNCTIONAL REQUIREMENTS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01533

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MALLONEE

272

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EVALUATION OF EXPLORATORY SHAFT FACILITY (ESF) IMPACT ON THE
REPOSITORY

SUMMARY: THIS DOCUMENT PRESENTS THE EVALUATION OF SITE LAYOUT
ARRANGEMENTS, SHAFT LOCATIONS AND SUBSURFACE LAYOUTS FOR
COMPATIBILITY WITH THE ESF.

PLANNED REVIEWS: FLUOR-INTERNAL, REGD, ERG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02285

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

326

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SHAFT SITING DECISION STUDY

SUMMARY: THIS STUDY WILL IDENTIFY AND RANK THE SIGNIFICANT FACTORS IMPORTANT IN DETERMINING SHAFT LOCATIONS ON THE REPOSITORY SITE. THE REPORT SHALL DESCRIBE EACH FACTOR, ITS TECHNICAL MERIT AND RELATIVE WEIGHT. IT WILL ALSO DESCRIBE HOW THESE FACTORS ARE TO BE USED IN MAKING REPOSITORY SHAFT SITING DECISIONS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DECISION STUDY REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01519

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

172

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SUBSURFACE QUALITY ASSURANCE PRACTICES REPORT

SUMMARY: THIS STUDY WILL CONTAIN AN EXAMINATION OF THE CONCEPT OF
APPLYING NUCLEAR QUALITY ASSURANCE PRACTICES TO REPOSITORY
SHAFT CONSTRUCTION.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01527

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

243

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: AQUIFER SEAL AND PERMANENT SHAFT LINING TECHNOLOGY REPORT

SUMMARY: DESIGN CRITERIA TO SATISFY REPOSITORY SHAFT LINER REQUIREMENTS WILL BE DEVELOPED AND EVALUATED, AND A RECOMMENDATION MADE. CONCERNS TO BE ADDRESSED INCLUDE THE OPERATIONAL DESIGN LIFE, QA PROCEDURE, AND LONG-TERM SALT CREEP RESPONSE.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01540

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

323

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: FUNCTIONAL SHAFT SPACE ALLOCATION REPORT

SUMMARY: THIS REPORT WILL RECOMMEND THE FUNCTIONAL SHAFT SPACE ALLOCATIONS. ALTERNATIVES FOR ALLOCATING THE AVAILABLE FUNCTIONAL SPACE WILL BE CONSIDERED AND DOCUMENTED WITH CONCEPTUAL DESIGNS BEING DEVELOPED FOR COMPARTMENTED AREAS ON GENERAL ARRANGEMENT DRAWINGS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01528

SUBJECT CATEGORY: REPOSITORY SHAFTS/RAMPS (WBS 1.3.4.3.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

241

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SHAFT EXCAVATION TECHNOLOGY REPORT

SUMMARY: THIS REPORT WILL CONTAIN STUDIES OF SHAFT EXCAVATION METHODS
FOR SHAFT CONSTRUCTION. AN EVALUATION AND RECOMMENDATION OF
THE METHOD TO USE IN SHAFT CONSTRUCTION WILL BE PRESENTED.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, PEER, ERG, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01526

SUBJECT CATEGORY: REPOSITORY SUBSURFACE EXCAVATIONS (WBS 1.3.4.3.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

235

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EMPIRICAL PILLAR DESIGN METHODS REVIEW REPORT

SUMMARY: A REVIEW OF EMPIRICAL PILLAR DESIGN METHODS FOR THEIR
APPLICABILITY IN REPOSITORY CONCEPTUAL DESIGN WILL BE
DOCUMENTED IN THIS REPORT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01523

SUBJECT CATEGORY: REPOSITORY SUBSURFACE EXCAVATIONS (WBS 1.3.4.3.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

223

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: LOCAL ROOF SUPPORT PROBLEMS REPORT

SUMMARY: THIS REPORT WILL CONTAIN AN IDENTIFICATION AND DEFINITION OF LOCAL ROOF SUPPORT PROBLEMS TO BE ADDRESSED IN A ROCK SUPPORT SYSTEM DESIGN. THE DISCUSSION WILL INCLUDE IDENTIFICATION OF EXISTING FAILURE MODE CRITERIA FOR SALT AND SPECIAL PRECAUTIONS THAT MUST BE TAKEN IF LOCAL ROOF INSTABILITY WERE TO OCCUR.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01524

SUBJECT CATEGORY: REPOSITORY SUBSURFACE EXCAVATIONS (WBS 1.3.4.3.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

319

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SUBSURFACE ARRANGEMENT SELECTION CRITERIA REPORT

**SUMMARY: THIS REPORT IDENTIFIES CONSTRAINTS IMPOSED BY 10 CFR 60 AND
THE REPOSITORY FUNCTIONAL DESIGN CRITERIA DOCUMENTS.
TRADE-OFF STUDIES WILL BE PERFORMED EVALUATING ALTERNATIVE
UNDERGROUND FACILITIES AND A RECOMMENDED SUBSURFACE LAYOUT.**

**PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO,
PATENT**

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: SELECTION CRITERIA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01278

SUBJECT CATEGORY: REPOSITORY UNDERGROUND SERVICE SYSTEMS (WBS
1.3.4.3.5)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: SMITH L

191

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPERIMENTAL AND ANALYTICAL STUDIES OF THE THERMAL ASPECTS OF
DEEP GEOLOGICAL DISPOSAL OF COMMERCIAL NUCLEAR WASTES

SUMMARY: THIS REPORT PRESENTS EXPERIMENTAL RESULTS OBTAINED IN A
RECTANGULAR DUCT THAT USED BOTH SMOOTH AND ROUGH SURFACES.
THESE EXPERIMENTS WERE CARRIED OUT IN AN APPARATUS THAT
MODELS UNDERGROUND NUCLEAR WASTE REPOSITORIES BOTH THERMALLY
AND HYDRAULICALLY.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: OHIO STATE UNIVERSITY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/15/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01521

SUBJECT CATEGORY: REPOSITORY UNDERGROUND SERVICE SYSTEMS (WBS
1.3.4.3.5)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

195

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: BOREHOLE UTILITY SERVICE ENTRANCE REPORT

SUMMARY: THIS STUDY WAS PERFORMED TO EVALUATE ALTERNATIVES FOR UTILITY SERVICE ENTRANCES TO THE REPOSITORY. TO MAKE THIS EVALUATION, IT WAS NECESSARY TO DETERMINE THE REQUIREMENTS FOR A REPOSITORY UTILITY SUPPLY. THESE REQUIREMENTS WERE DEFINED AS SAFETY, MAINTAINABILITY, FLEXIBILITY, RELIABILITY, COST EFFICIENCY, VOLTAGE REGULATION, AND SIMPLICITY OF OPERATION.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/HQ, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02365

SUBJECT CATEGORY: REPOSITORY UNDERGROUND SERVICE SYSTEMS (WBS
1.3.4.3.5)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

33

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SUBSURFACE VENTILATION SYSTEM REPORT

SUMMARY: THIS REPORT WILL CONTAIN AIRFLOW NETWORKS AND CONCEPTUAL
DESIGNS OF THE MECHANICAL COMPONENTS AND STRUCTURAL
FACILITIES OF THE SUBSURFACE VENTILATION SYSTEM FOR THE
REPOSITORY.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/88

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01539

SUBJECT CATEGORY: REPOSITORY UNDERGROUND SERVICE SYSTEMS (WBS
1.3.4.3.5)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

328

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: FAN AND FILTRATION CONCEPTUAL DESIGN REPORT

SUMMARY: THIS REPORT WILL DOCUMENT THE CONCEPTUAL DESIGN OF THE
REPOSITORY FAN AND FILTRATION SYSTEM WHOSE PURPOSE IS TO
SUPPLY THE SUBSURFACE VENTILATION UNDER NORMAL CONDITIONS AND
PRIMARY CONFINEMENT UNDER DESIGN BASES ACCIDENT CONDITIONS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, DESIGN, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/88

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01510

SUBJECT CATEGORY: REPOSITORY OPERATIONS/MAINTENANCE (WBS 1.3.4.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

147

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SUBSURFACE ENVIRONMENT REPORT

SUMMARY: TO ASSURE WORKER EXPOSURE LIMITS FOR AIR QUALITY AND AMBIENT NOISE NOT EXCEEDED DURING REPOSITORY OPERATIONS, INDUSTRIAL ENVIRONMENT SYSTEMS THAT SAMPLE AND ANALYZE AIR AND NOISE LEVELS WILL BE INSTALLED. THE IDENTIFICATION OF MAJOR IMPACTS OF THE WORKING ENVIRONMENT ON REPOSITORY OPERATIONS WILL BE DISCUSSED IN THIS REPORT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01511

SUBJECT CATEGORY: REPOSITORY OPERATIONS/MAINTENANCE (WBS 1.3.4.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

157

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: MINED SALT WASTE REMOVAL

SUMMARY: THE OBJECTIVE OF THIS STUDY IS TO DEVELOP AN INTEGRATED
CONCEPTUAL DESIGN FOR MINING, HANDLING, TRANSPORTING, STORING,
BACKFILLING, AND DISPOSING OF MINED SALT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, STATE
REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01518

SUBJECT CATEGORY: REPOSITORY OPERATIONS/MAINTENANCE (WBS 1.3.4.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

321

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: NUCLEAR MATERIAL CONTROL AND SAFEGUARD PLAN REPORT

SUMMARY: THESE REPORT PLANS WILL BE BASED ON THE RESULTS OF THE
REGULATORY REVIEW AND SITE VISITS WITH ATTENTION PAID TO
NUCLEAR MATERIALS CONTROL REQUIREMENTS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, TMP-16, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/01/87

DELIVERABLE TYPE: SYSTEMS STUDY REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01507

SUBJECT CATEGORY: REPOSITORY OPERATIONS/MAINTENANCE (WBS 1.3.4.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

133

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: REPOSITORY SECURITY PLAN REPORT

SUMMARY: THIS REPORT WILL CONTAIN A REPOSITORY SECURITY PLAN THAT ASSURES FISSLE MATERIALS WILL BE SAFE FROM SABOTAGE AND THEFT. THIS WILL BE DEVELOPED WITH EMPHASIS ON REPOSITORY ENGINEERING AND DESIGN REQUIREMENTS TO PROVIDE ENGINEERED SECURITY BARRIERS.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, REGD, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/01/87

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01530

SUBJECT CATEGORY: REPOSITORY OPERATIONS/MAINTENANCE (WBS 1.3.4.4)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

253

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: REPOSITORY OPERATING CONCEPT REPORT

SUMMARY: LISTED IN THIS DOCUMENT WILL BE THE NUMBER OF PRODUCTION LINES, SHIFTS PER DAYS, DAYS PER WEEK, AND WEEKS PER YEAR TO BE USED IN AREA PLANNING TO MEET ANNUAL PRODUCTION THROUGHPUT GOALS. THE INDUSTRIAL ENGINEERING ANALYSIS PERFORMED TO ARRIVE AT THESE NUMBERS WILL BE DOCUMENTED AND INCLUDED IN THIS REPORT.

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, QAD, PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/31/87

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01544

SUBJECT CATEGORY: REPOSITORY DECOMMISSIONING (WBS 1.3.4.5)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

330

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: DECOMMISSIONING DESIGN FEATURES REPORT

**SUMMARY: THE REPORT OBJECTIVE IS TO ASSURE THAT THE FACILITY DESIGN IS
COMPATIBLE WITH EVENTUAL DECOMMISSIONING REQUIREMENTS AND
THAT THE DESIGN INCORPORATES FEATURES WHICH FACILITATE THIS.
THE STUDY WILL IDENTIFY DESIRABLE DECOMMISSIONING DESIGN
FEATURES OR MODIFICATIONS TO THE CONCEPTUAL DESIGN FOR
IMPLEMENTATION DURING TITLE I DESIGN ACTIVITIES.**

PLANNED REVIEWS: FLUOR-INTERNAL, ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/01/88

DELIVERABLE TYPE: DESIGN REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01347

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MCNULTY

126

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: JOINT RESPONSE FOR A SHAFT/SEAL SCENARIO

SUMMARY: THIS REPORT DETAILS PERFORMANCE ASSESSMENTS MADE TO EVALUATE THE RESPONSE OF JOINTED ROCK DUE TO EXCAVATION AND CONSTRUCTION OF A SHAFT-SEAL SECTION. THE CAVS (CRACK AND VOID STRAIN) MODEL FOR JOINTED ROCK WAS COUPLED TO THE STEALTH FINITE DIFFERENCE CODE.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: INTERA TECHNOLOGIES INC, SCIENTIFIC ADVANCES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01400

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MCNULTY

290

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SPECTROM-32: A TWO-DIMENSIONAL FINITE ELEMENT TRANSIENT
VISCOELASTIC CREEP AND HEAT TRANSFER PROGRAM FOR SALT

SUMMARY: SPECTROM-32 COMBINES SPECTROM-21 (MECHANICAL) AND SPECTROM-41
(THERMAL) COMPUTER CODES. SPECTROM-32 CAN ANALYZE
VISCOELASTIC CREEP AND HEAT TRANSFER PROBLEMS FOR SALT. THE
SPECTROM-32 DOCUMENT FOLLOWS THE REQUIREMENTS OF NUREG-856.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01401

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MCNULTY

1093

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SPECTROM-41: A FINITE ELEMENT HEAT TRANSFER CODE

SUMMARY: SPECTROM-41 SOLVES NONLINEAR TWO-DIMENSIONAL AND AXISYMMETRIC
HEAT TRANSFER PROBLEMS. THIS REPORT REPLACES ONWI-326 AND
SATISFIES THE REQUIREMENTS OF NUREG-856.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01874

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MCNULTY 1067

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: USER'S GUIDE: SPECTROM-SERIES PRE- AND POST-PROCESSORS

SUMMARY: THE SPECTROM PRE AND POST-PROCESSORS CONTAIN FIVE SEPARATE ROUTINES TO PLOT THE FINITE ELEMENT MESHES AND GENERATE GRAPHICAL OUTPUT OF RESULTS FOR THE SPECTROM CODES. THE SPECTROM PRE AND POST-PROCESSOR SOFTWARE IS AN AUXILIARY CODE AND THEREFORE DOES NOT HAVE TO BE DOCUMENTED ACCORDING TO THE REQUIREMENTS OF NUREG-0856.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, UNIVERSITY OF TEXAS, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01263

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HUANG

309

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: GUIDANCE ON IMPORTANT METHODOLOGY FOR GEOLOGIC REPOSITORY
SAFETY ANALYSES AND DESIGN EVALUATIONS

SUMMARY: THIS REPORT PROVIDES A REVIEW OF THE METHODOLOGIES USED IN
NUCLEAR LICENSING REVIEWS AND ASSESSMENT, INCLUDING: SINGLE
FAILURE CRITERION; FAILURE MODES AND EFFECTS ANALYSES, ETC.
INTERPRETATIONS OF THEIR APPLICABILITIES TO GEOLOGIC
REPOSITORY FACILITY LICENSING WILL BE ESTABLISHED. FINALLY,
SPECIFIC GUIDANCE ON HOW THEY SHOULD BE APPLIED WILL BE
PROVIDED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, PEER, RAG, LCG, DOE/SRPO, CER, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: PROJECT STRATEGY

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01264

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HUANG

310

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: LICENSABILITY OF REPOSITORY SHAFTS AND EXPLORATORY SHAFT
CONSTRUCTION

SUMMARY: THIS REPORT PROVIDES AN OVERVIEW OF THE EXISTING LICENSING
FRAMEWORK FOR A GEOLOGIC REPOSITORY WITH EMPHASIS ON
REPOSITORY SHAFT DESIGN, CONSTRUCTION, AND OPERATION. IT
PROCEEDS TO DELINEATE SPECIFIC REGULATORY REQUIREMENTS
APPLICABLE TO REPOSITORY SHAFTS AND THEN IDENTIFY THE
CORRESPONDING ENGINEERING AND TECHNICAL REQUIREMENTS FOR
COMPLIANCE.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, PEER, LCG, RAG, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: PROJECT REQUIREMENTS

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01684

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: FURR

995

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: AGRICULTURALLY RELATED DOSE CALCULATIONS

SUMMARY: THIS REPORT LOOKS AT FIVE STAGES OF SITE CHARACTERIZATION WITH THREE METHODS OF CALCULATING INGESTION DOSES FROM RADIONUCLIDES TRANSPORTED THROUGH TERRESTRIAL PATHWAYS TO DETERMINE AT WHICH STAGE IS THE REDUCTION OF UNCERTAINTY IN DOSE ESTIMATES NOT WORTH THE COST OF DEVELOPING THE NECESSARY DATA AND IS IT PREFERABLE TO USE A SOPHISTICATED METHOD WITH INADEQUATE DATA OR A COMPARABLE ONE WITH AVAILABLE DATA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

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DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01421

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: MCSWEENEY

376

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: ISSUES HIERARCHY, RESOLUTION STRATEGY AND DATA NEEDS FOR SITE
CHARACTERIZATION AND ENVIRONMENTAL AND SOCIOECONOMIC EVALUATION

SUMMARY: THROUGH THE USE OF ISSUE RESOLUTION STRATEGIES, THIS REPORT
RELATES THE SRP ISSUES HIERARCHY TO THE DATA NEEDS TO BE
SUPPLIED BY SITE CHARACTERIZATION ACTIVITIES. THE SRP ISSUES
HIERARCHY IS BASED ON THE MISSION PLAN KEY ISSUES,
SUPPLEMENTED BY SALT SITE SPECIFIC ISSUES. THIS REPORT ALSO
CONSIDERS DATA NEEDS FOR REGULATIONS, STATUTES AND PERMITS
WHEN DEVELOPING THE LIST OF DATA NEEDS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, SCP CG, ECG, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: PROJECT STRATEGY

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01375

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: BAILLIEUL

RESPONSIBLE MANAGER: HERRINGTON

25

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: SITE CHARACTERIZATION PLAN (SCP)

SUMMARY: THIS DOCUMENT IS THE SITE CHARACTERIZATION PLAN MEETING THE REQUIREMENTS OF THE NWPA SECTION 113, 10CFR60 AND USNRC REGULATORY GUIDE 4.17 FOR THE SALT REPOSITORY SITE SELECTED FOR DETAILED CHARACTERIZATION.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, PEER, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: VARIOUS ORIGINATORS

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/23/88

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01408

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HERRINGTON

59

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: SAFETY ANALYSIS REPORT (SAR)

SUMMARY: THIS REPORT IS PART OF A LICENSE APPLICATION FOR A HIGH-LEVEL NUCLEAR WASTE REPOSITORY. THE CONTENTS OF A SAFETY ANALYSIS REPORT ARE SPECIFIED IN 10 CFR 60.21(C).

PLANNED REVIEWS: ONWI-INTERNAL, REGD, DOE/SRPO, CER, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/92

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01590

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: WAITE

1030

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: PRECLOSURE RADIOLOGICAL CALCULATIONS TO SUPPORT SALT SITE
EVALUATIONS

SUMMARY: THIS DOCUMENT IS A REVISION OF THE REPORT OF THE SAME NAME
ORIGINALLY ISSUED IN AUGUST 1984 TO PROVIDE DATA, METHODS,
AND RESULTS OF PRECLOSURE RADIOLOGICAL CALCULATIONS TO
SUPPORT SALT SITE EVALUATIONS ON THE BASIS OF THE U.S. DOE
SITING GUIDELINES (10 CFR PART 960). THE RESULTS ARE
PRESENTED FOR EASY COMPARISON WITH PERTINENT RADIOLOGICAL
REGULATIONS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/07/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0541(R1)

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01478

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WEAVER

RESPONSIBLE MANAGER: CHEN

367

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

**TITLE: TECHNICAL BASIS FOR HIGH-LEVEL WASTE REPOSITORY LAND CONTROL
REQUIREMENTS**

**SUMMARY: THIS REPORT DELINEATES THE USE OF REGULATORY, ENGINEERING,
AND PERFORMANCE ASSESSMENT INFORMATION TO ESTABLISH THE
TECHNICAL BASIS FOR CONTROLLED AREA REQUIREMENTS.**

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/20/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0632

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02270

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: SMAIL

611

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: DESCRIPTION OF FLOODPLAINS AND WETLANDS, DEAF SMITH COUNTY,
TEXAS

SUMMARY: THIS REPORT PROVIDES GENERAL INFORMATION ON PLAYA WETLANDS IN
THE TEXAS PANHANDLE, AND DESCRIBES AND MAPS FLOODPLAINS AND
WETLANDS ON THE DEAF SMITH SITE AND VICINITY. THIS REPORT IS
BASED ON THE PUBLISHED LITERATURE, WITH INFORMATION FROM
LIMITED FIELD RECONNAISSANCE INCLUDED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: NUS CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/10/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01432

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: GUPTA

1028

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: SALT DISSOLUTION ANALYSIS IN EXISTING BOREHOLES AT CYPRESS
CREEK DOME

SUMMARY: DURING THE PREPARATION OF THE ENVIRONMENTAL ASSESSMENTS FOR
THE POTENTIAL NUCLEAR WASTE REPOSITORY AT CYPRESS CREEK DOME,
CONCERNS WERE RAISED OVER THE EXISTING BOREHOLES PENETRATING
THE SALT STOCK. AN ANALYSIS WAS UNDERTAKEN TO ASSESS WHETHER
OR NOT SALT DISSOLUTION IN THESE BOREHOLES WOULD BE SEVERE
ENOUGH TO BREACH THIS BUFFER. THIS REPORT PRESENTS THE
FINDINGS OF THAT ANALYSIS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01467

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

353

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY ACCESS ROUTES AND COST STUDY ANALYSES FOR SEVEN
CANDIDATE SALT SITES

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A HIGHWAY AND RAILROAD
ACCESS STUDY CONDUCTED FOR EACH OF THE SEVEN CANDIDATE SALT
SITES FOR A PROPOSED NUCLEAR WASTE REPOSITORY. THE ACCESS
ROUTES USED IN THIS STUDY ARE NOT THE RECOMMENDED, PREFERRED,
OR SELECTED ROUTES. NO DECISION AFFECTING THE FINAL LOCATION
OF THE PREFERRED ROUTE HAS BEEN MADE. INCLUDED IS A BRIEF
NARRATIVE, WITH A FIGURE PRODUCED FROM A MAP OF EACH SITE.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01470

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

359

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - GULF
INTERIOR REGION - CYPRESS CREEK DOME SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN CYPRESS CREEK DOME, MISSISSIPPI.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01473

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

356

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - PARADOX
BASIN - LAVENDER CANYON SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN LAVENDER CANYON, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01606

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

423

BASIN: GENERIC

STATUS: WORK IN PROGRESS

**TITLE: PHASED REPOSITORY SOURCE TERM AND DATA SHEET REPORT FOR SEVEN
CANDIDATE SALT SITES**

**SUMMARY: THIS REPORT COVERS THE PHASED REPOSITORY WITH LIMITED INITIAL
THROUGHPUT CAPACITY. THE BASES FOR THIS REPORT ARE DESCRIBED
IN THE SEVEN PHASED REPOSITORY DESIGN BASIS REPORTS WHICH
READERS ARE URGED TO STUDY.**

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01611

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

428

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY WASTE HANDLING BUILDINGS

SUMMARY: THIS PHASED REPOSITORY WASTE HANDLING BUILDINGS REPORT
CONSISTS OF TWO SEPARATE REPORTS COMBINED UNDER ONE COVER.
THE FIRST PART IS THE PHASE 1 WASTE HANDLING BUILDING (WHB1)
CONCEPTUAL DESIGN REPORT, AND THE SECOND PART IS THIS THE
PHASE 2 WASTE HANDLING BUILDING (WHB2) CONCEPTUAL DESIGN
REPORT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01612

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

429

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - GULF INTERIOR REGION -
RICHTON DOME SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE GULF INTERIOR
REGION AT RICHTON DOME, MISSISSIPPI.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: DESIGN REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01223

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: TAYLOR

RESPONSIBLE MANAGER: MCCUTCHEN

315

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: STATUTORY COMPLIANCE PLAN

SUMMARY: THIS DOCUMENT PROVIDES A CHECKLIST APPROACH TO DETERMINE APPLICABLE FEDERAL AND STATE STATUTES AND REGULATIONS AFFECTING SITE SELECTION, CHARACTERIZATION, AND DEVELOPMENT. IT PROVIDES A DESCRIPTION OF THOSE STATUTES, ALONG WITH A DISCUSSION OF COMPLIANCE REQUIREMENTS, ADMINISTERING AGENCIES, AND CURRENT STATUS OF DOE CONSULTATION AND COOPERATION UNDER THE REQUIREMENTS.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, PEER, RAG, STATE REPRESENTATIVES, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: PROJECT STRATEGY

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01235

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KIRCHER

151

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPECTED NEAR-FIELD THERMAL PERFORMANCE FOR NUCLEAR WASTE
REPOSITORY NEAR FIELD PERFORMANCE AT POTENTIAL SALT SITE

SUMMARY: THIS REPORT DESCRIBES THE EXPECTED THERMAL RESPONSE DUE TO
EMPLACEMENT OF NUCLEAR WASTE IN POTENTIAL SALT SITES IN DEAF
SMITH AND SWISHER COUNTIES OF TEXAS, DAVIS AND LAVENDER
CANYONS IN UTAH, AND RICHTON, VACHERIE AND CYPRESS CREEK SALT
DOMES IN THE GULF INTERIOR REGION.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-17, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01465

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

351

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ALTERNATIVE METHODS OF SALT DISPOSAL AT THE SEVEN CANDIDATE
SALT SITES FOR A NUCLEAR WASTE REPOSITORY

SUMMARY: SEVERAL ALTERNATIVE METHODS OF SALT DISPOSAL ARE EXAMINED FOR
THE CANDIDATE REPOSITORY SITES IN BEDDED AND DOMED SALT
FORMATIONS. THEY ARE EXAMINED CONSIDERING THE MOST RECENT
ESTIMATED AMOUNTS OF EXCAVATED, BACKFILLED, AND EXCESS SALT.
METHODS OF TRANSPORTING THE EXCESS SALT ARE DISCUSSED, ALONG
WITH POSSIBLE IMPACTS OF EACH DISPOSAL METHOD AND POTENTIAL
REGULATORY REQUIREMENTS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01466

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

352

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: UTILITIES AVAILABILITY REPORT FOR SEVEN CANDIDATE SALT SITES

SUMMARY: THIS STUDY INDICATES THE EXISTING OR POTENTIAL AVAILABILITY OF ADEQUATE ENERGY SUPPLIES, TOGETHER WITH REPRESENTATIVE ROUTING OF REASONABLE ACCESS CORRIDORS FOR UTILITY LINES, FOR THE SEVEN CANDIDATE SALT SITES FOR A NUCLEAR WASTE REPOSITORY. IT DESCRIBES THE MAJOR CHARACTERISTICS OF EACH SUPPLY AND THE ROUTES BY WHICH EACH SUPPLY COULD BE CONNECTED TO THE ASSUMED RESPECTIVE REPOSITORY SITE.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01469

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

360

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - GULF
INTERIOR REGION - RICHTON DOME SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN RICHTON COUNTY, MISSISSIPPI.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01471

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

358

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - GULF
INTERIOR REGION - VACHERIE DOME SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN VACHERIE DOME, LOUISIANA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01472

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

357

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - PARADOX
BASIN - DAVIS CANYON SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN DAVIS CANYON, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01474

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

355

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - PERMIAN
BASIN - DEAF SMITH COUNTY SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN DEAF SMITH COUNTY, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01475

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

354

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY SOURCE TERM AND DATA SHEET REPORT - PERMIAN
BASIN - SWISHER COUNTY SITE

SUMMARY: THIS STUDY CONTAINS THE DERIVATION OF VALUES FOR
ENVIRONMENTAL SOURCE TERMS AND RESOURCES CONSUMED FOR A CRWM
REPOSITORY. DATA IS PRESENTED FOR CONSTRUCTION AND OPERATION
AT AN ASSUMED SITE IN SWISHER COUNTY, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01547

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: FERRANTE

314

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: SITE INVESTIGATION STATUS REPORT (SISR)

SUMMARY: THIS DOCUMENT PROVIDES A DESCRIPTION OF DATA NEEDS FOR DETERMINING SITE SUITABILITY, AN EVALUATION OF WHAT IS KNOWN ABOUT THE SITE, A DETERMINATION OF DATA REMAINING TO BE OBTAINED, AND AN OVERVIEW OF THE STEPS TO BE TAKEN TO OBTAIN THAT DATA. THEY DISCUSS SUBJECT AREAS NOT CONTAINED WITHIN THE SCP, INCLUDING PRECLOSURE SAFETY, ENVIRONMENTAL PARAMETERS, SOCIOECONOMICS, AND TRANSPORTATION.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-16, PEER, RAG, SCP CG, STATE REPRESENTATIVES, FEDERAL AGENCIES, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: DOE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: PROGRAM PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01593

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

421

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: BASIC REPOSITORY WASTE PACKAGING AND HANDLING FACILITY
CONCEPTUAL DESIGN

SUMMARY: THIS DOCUMENT PRESENTS THE RESULTS OF AN INTENSIVE
THREE-MONTH CONCEPTUALIZATION EFFORT FOR A WASTE PACKAGING
AND HANDLING FACILITY CONSISTENT WITH CURRENT OFFICE OF
CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM OBJECTIVES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01605

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

422

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

**TITLE: PHASED REPOSITORY EA DESIGN BASIS - PERMIAN BASIN - DEAF SMITH
COUNTY SITE**

**SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE PERMIAN BASIN AT
DEAF SMITH COUNTY, TEXAS.**

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201**

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01607

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

424

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - PERMIAN BASIN - SWISHER
COUNTY SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO- PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE PERMIAN BASIN AT
SWISHER COUNTY, TEXAS.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01608

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

425

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - PARADOX BASIN - DAVIS
CANYON SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE PARADOX BASIN AT
DAVIS CANYON, NEAR MOAB, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01609

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

426

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - GULF INTERIOR REGION -
CYPRESS CREEK DOME SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE GULF INTERIOR
REGION AT CYPRESS CREEK DOME, MISSISSIPPI.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01610

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

427

BASIN: PARADOX

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - PARADOX BASIN - LAVENDER
CANYON SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE PARADOX BASIN AT
LAVENDER CANYON, NEAR MOAB, UTAH.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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ATTN: DOCUMENT CONTROL
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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01613

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

430

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: UNDERGROUND LAYOUT TRADEOFF STUDY

SUMMARY: THIS REPORT PRESENTS THE RESULTS OF A TECHNICAL AND ECONOMIC
COMPARATIVE STUDY OF FOUR ALTERNATE UNDERGROUND LAYOUTS FOR A
NUCLEAR WASTE GEOLOGIC REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: SYSTEM/TRADE OFF STUDY

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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ATTN: DOCUMENT CONTROL
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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01614

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

431

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY INVESTIGATION OF GASSY CONDITION IMPACTS UPON
REPOSITORY DESIGN, OPERATION, COSTS, AND SCHEDULES

SUMMARY: THIS TOPICAL REPORT EXAMINES THE POTENTIAL FOR AND IMPACT OF
"GASSY MINE" CONDITIONS UPON A HIGH-LEVEL NUCLEAR WASTE
REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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COLUMBUS, OHIO 43201

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01615

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

432

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: MISSION PLAN SCHEDULE FEASIBILITY ASSESSMENT FOR A PHASED
NUCLEAR WASTE REPOSITORY IN SALT

SUMMARY: IN THE APRIL 1984 MISSION PLAN, A TWO-PHASE REPOSITORY
CONSTRUCTION CONCEPT IS PROPOSED. THIS STUDY INDICATED THAT
WITH AGGRESSIVE SCHEDULING THE TWO-PHASE REPOSITORY COULD
MEET THE MISSION PLAN WASTE RECEIPT DATE.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, DOE/SRPO, PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01616

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: MYERS

433

BASIN: GULF COAST

STATUS: WORK IN PROGRESS

TITLE: PHASED REPOSITORY EA DESIGN BASIS - GULF INTERIOR REGION -
VACHERIE DOME SITE

SUMMARY: THIS REPORT EXAMINES THE ENGINEERING FACTORS AND COSTS FOR
THE TWO-PHASE CONSTRUCTION AND OPERATION OF A HIGH-LEVEL
NUCLEAR WASTE REPOSITORY IN THE SALT OF THE GULF INTERIOR
REGION AT VACHERIE DOME NEAR MINDEN, LOUISIANA.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: STEARNS CATALYTIC CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: DESIGN REPORT

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COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01670

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KIRCHER

983

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPECTED BRINE MOVEMENT AT POTENTIAL NUCLEAR WASTE REPOSITORY
SALT SITES

SUMMARY: THE BRINEMIG CODE WAS USED AT SEVEN POTENTIAL SALT SITES TO
PREDICT RATES AND QUANTITIES OF BRINE MIGRATION TO A WASTE
PACKAGE EMPLACED IN A REPOSITORY. THE CODE IS AN EXPLICIT
TIME-MARCHING FINITE-DIFFERENCE CODE WHICH SOLVES A MASS
BALANCE EQUATION AND USES THE JENKS EQUATION TO PREDICT
VELOCITIES OF BRINE MIGRATION.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01548

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: FERRANTE

317

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: DRAFT ENVIRONMENT IMPACT STATEMENT (EIS), HIGH-LEVEL WASTE
REPOSITORY IN A DEEP GEOLOGIC FORMATION

SUMMARY: THIS DOCUMENT WILL CONTAIN THE FOLLOWING INFORMATION:
BACKGROUND INFORMATION INCLUDING A DESCRIPTION OF THE
REPOSITORY AND THE ENVIRONMENTAL SETTING THAT PROVIDES THE
CONTEXT IN WHICH THE PROJECT AND IMPACTS TAKE PLACE; PROBABLE
IMPACTS OF THE VARIOUS ALTERNATIVES AND THEIR CAUSES; GENERAL
PROCEDURES USED IN DETERMINING THE IMPACTS; SIGNIFICANCE OF
THE IMPACTS RELATIVE TO BACKGROUND INFORMATION.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-16, RAG, STATE REPRESENTATIVES,
FEDERAL AGENCIES, ANL PEER, DOE/SRPO, PATENT

ORIGINATOR OF DATA: DOE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/01/91

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01549

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: FERRANTE

316

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: FINAL ENVIRONMENTAL IMPACT STATEMENT (EIS), HIGH-LEVEL WASTE
REPOSITORY IN A DEEP GEOLOGIC FORMATION

SUMMARY: THIS DOCUMENT IS A COMPOSITE OF THE DRAFT EIS THAT HAS BEEN
MODIFIED THROUGH THE PUBLIC REVIEW PERIOD. IT WILL CONTAIN
ALL PUBLIC AND INTERAGENCY COMMENTS ALONG WITH DOE RESPONSES.
REVISIONS TO THE BODY OF THE DOCUMENT WILL REFLECT ADDITIONAL
INFORMATION OBTAINED DURING THE REVIEW AND COMMENT PERIOD.
HOWEVER, THERE ARE NO MAJOR ADDITIONAL ENVIRONMENTAL
ALTERNATIVES OR CONSEQUENCES PRESENTED.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-16, RAG, STATE REPRESENTATIVES,
FEDERAL AGENCIES, ANL PEER, PUBLIC, DOE/SRPO, PATENT

ORIGINATOR OF DATA: DOE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/92

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02962

SUBJECT CATEGORY: EXPLORATORY SHAFT MANAGEMENT AND INTEGRATION (WBS
1.3.6.1)

DOE CONTACT PERSON: WEBSTER

RESPONSIBLE MANAGER: COTTLE

958

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: FUNCTIONAL DESIGN CRITERIA FOR AN EXPLORATORY SHAFT FACILITY IN
SALT: TITLE I DESIGN

SUMMARY: THE PURPOSE OF THIS REPORT IS TO PROVIDE TECHNICAL DIRECTION
FOR THE DEVELOPMENT OF DETAILED CRITERIA FOR THE EXPLORATORY
SHAFT FACILITY (ESF). THIS WILL ASSURE THAT THE ESF WILL BE
DESIGNED IN ACCORDANCE WITH THE CURRENT MISSION PLAN AS WELL
AS THE "NUCLEAR WASTE POLICY ACT" AND 10 CFR PART 60 WHICH
WILL FACILITATE THE LICENSING PROCESS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 11/15/86

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/05/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0601

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: . 01301

SUBJECT CATEGORY: EXPLORATORY SHAFT MANAGEMENT AND INTEGRATION (WBS
1.3.6.1)

DOE CONTACT PERSON: WEBSTER

RESPONSIBLE MANAGER: COTTLE

164

BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: EXPLORATORY SHAFT FACILITY (ESF) TITLE II DESIGN REPORT (AND
DRAWINGS)

SUMMARY: THIS REPORT CONTAINS TITLE II (FINAL DESIGN) DESIGN DATA AND
FINAL DESIGN DRAWINGS FOR THE SITE SPECIFIC SALT EXPLORATORY
SHAFT FACILITY.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, QAD, DESIGN, DOE/HQ, DOE/SRPO, PRIME
CONTRACTORS, COE, PATENT

ORIGINATOR OF DATA: PB-KBB, ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01782

SUBJECT CATEGORY: EXPLORATORY SHAFT MANAGEMENT AND INTEGRATION (WBS
1.3.6.1)

DOE CONTACT PERSON: WEBSTER

RESPONSIBLE MANAGER: COTTLE

1052

BASIN: CANDIDATE SITE

STATUS: WORK IS PLANNED

TITLE: EXPLORATORY SHAFT FACILITY (ESF) TITLE III DESIGN REPORT

SUMMARY: THIS REPORT CONTAINS THE SITE SPECIFIC EXPLORATORY SHAFT
FACILITY AS BUILT DRAWINGS AND VERIFICATION OF CONSTRUCTION
ACTIVITIES IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

PLANNED REVIEWS: ONWI-INTERNAL, QAD, DESIGN, DOE/SRPO, PATENT

ORIGINATOR OF DATA: PARSONS-REDPATH, ONWI, PB-KBB

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/90

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01918

SUBJECT CATEGORY: EXPLORATORY SHAFT MANAGEMENT AND INTEGRATION (WBS
1.3.6.1)

DOE CONTACT PERSON: LAHOTI

RESPONSIBLE MANAGER: COTTLE 1128

BASIN: PERMIAN STATUS: WORK IS PLANNED

TITLE: EXPLORATORY SHAFT FACILITY (ESF) CONSTRUCTION METHODS AND
PRODUCTIVITY FINAL REPORT

SUMMARY: THIS REPORT IS A COMPLETE, IN-DEPTH DOCUMENTATION AND
ANALYSIS OF ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR
ACTIVITIES INCLUDING PERFORMANCE COST AND SCHEDULE
COMPARISONS AND IDENTIFICATION OF CLEARLY DESCRIBED PROBLEMS,
RESOLUTIONS, AND MITIGATING FACTORS. THIS DOCUMENT MAY BE
USED AS THE REPOSITORY CONSTRUCTION COST AND SCHEDULE
GUIDELINES.

PLANNED REVIEWS: ONWI-INTERNAL, PR-INTERNAL, TMP-17, TMP-06, DOE/SRPO,
PATENT

ORIGINATOR OF DATA: ONWI, PARSONS-REDPATH

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/30/92

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01708

SUBJECT CATEGORY: EXPLORATORY SHAFT TESTING (WBS 1.3.6.9)

DOE CONTACT PERSON: SHAKIR

RESPONSIBLE MANAGER: GOPAL

1018

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG REVIEW OF "DRAFT TEST PLAN FOR IN SITU TESTING IN AN
EXPLORATORY SHAFT IN SALT - MARCH 1985"

SUMMARY: THE MAY 1985 MEETING OF THE ERG REVIEWED THE PROPOSED PROGRAM WHICH CONSTITUTES PART OF THE OVERALL EFFORT TO DETERMINE SITE SUITABILITY, PROVIDE DATA FOR REPOSITORY DESIGN AND PERFORMANCE ASSESSMENT, AND PREPARE LICENSING DOCUMENTATION FOR RADIOACTIVE WASTE DISPOSAL IN SALT. THIS REPORT DOCUMENTS THE ERG'S COMMENTS AND RECOMMENDATIONS ON THESE SUBJECTS AND THE ONWI RESPONSE TO THE SPECIFIC POINTS RAISED BY THE ERG.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, QAD, DOE/SRPO, PATENT

ORIGINATOR OF DATA: GOLDER ASSOCIATES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/86

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 09/03/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0619

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SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01350

SUBJECT CATEGORY: EXPLORATORY SHAFT TESTING (WBS 1.3.6.9)

DOE CONTACT PERSON: SHAKIR

RESPONSIBLE MANAGER: KALIA

270

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: UNDERGROUND TEST PLAN FOR SITE CHARACTERIZATION AND TESTING IN
AN EXPLORATORY SHAFT FACILITY IN SALT

SUMMARY: THIS PLAN ORGANIZES AND DETAILS THE SITE CHARACTERIZATION
TESTING PROGRAM. IT ASSISTS IN THE DEVELOPMENT OF PLANS
NEEDED TO CHARACTERIZE THE SITE. THIS PLAN DESCRIBES THE
PROGRAM OF AT-DEPTH TESTING WHICH IS PART OF THE OVERALL
EFFORT TO DETERMINE SUITABILITY OF THE SITE FOR DEVELOPMENT
AS A REPOSITORY, PROVIDE DATA FOR REPOSITORY DESIGN,
PERFORMANCE ASSESSMENTS AND LICENSING DOCUMENTATION.

PLANNED REVIEWS: ONWI-INTERNAL, REGD, TMP-16, UTCG, ERG, ANL PEER, NRC,
DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: GOLDER ASSOCIATES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: ORG/IMPLEMENTATION PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01760

SUBJECT CATEGORY: EXPLORATORY SHAFT TESTING (WBS 1.3.6.9)

DOE CONTACT PERSON: SHAKIR

RESPONSIBLE MANAGER: KALIA

1059

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: ASSESSMENT OF THE CHARACTER AND EXTENT OF MECHANICAL
DISTURBANCE FOR UNDERGROUND OPENINGS IN SALT

SUMMARY: THIS RPEORT PROVIDES AN ASSESSMENT OF THE NATURE AND EXTENT
OF THE MECHANICALLY DISTURBED ZONE SURROUNDING EXCAVATIONS IN
SALT, BASED ON INFORMATION CURRENTLY AVAILABLE IN THE
LITERATURE (SEPTEMBER, 1985). THREE ZONES HAVE BEEN DEFINED
WHICH MAKE UP THE OVERALL ZONE OF MECHANICAL DISTURBANCE,
NAMELY; ZONE 1 - A ZONE OF FRACTURING; ZONE 2 - A ZONE OF
SIGNIFICANT STRAINING; AND ZONE 3 - A ZONE OF INFLUENCE.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-16,DOE/SRPO,PATENT

ORIGINATOR OF DATA: GOLDER ASSOCIATES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01700

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: MOAK

1010

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: NUCLEAR WASTE REPOSITORY SIMULATION EXPERIMENTS, ASSE SALT MINE,
ANNUAL REPORT 1984

SUMMARY: THIS IS THE SECOND JOINT ANNUAL REPORT ON EXPERIMENTS
SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL
OF THE ASSE SALT MINE. THIS REPORT DESCRIBES THE MINE, THE
TEST EQUIPMENT, AND THE PRETEST PROPERTIES OF THE SALT IN THE
MINE AND IN THE VICINITY OF THE TEST AREA. THE REPORT
INCLUDES TEST DATA ON THE FIRST 19 MONTHS OF OPERATION ALONG
WITH LABORATORY ANALYSES OR TEST RESULTS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/29/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0616

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01255

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1032

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: BRINE MIGRATION TEST REPORT: ASSE SALT MINE, FEDERAL REPUBLIC
OF GERMANY

SUMMARY: THIS REPORT PRESENTS A SUMMARY OF BRINE MIGRATION TESTS WHICH
WERE UNDERTAKEN AT THE ASSE MINE OF THE FEDERAL REPUBLIC OF
GERMANY. THIS EXPERIMENT SIMULATES A NUCLEAR WASTE REPOSITORY
AT THE 800 METER LEVEL OF THE MINE. THE OPERATIONAL PHASE OF
THE EXPERIMENTS WAS COMPLETED ON OCTOBER 4, 1985, WITH THE
COMMENCEMENT OF COOLDOWN AND POSTTEST ACTIVITIES.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 01/31/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 01/16/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0624

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01712

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1020

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, JULY - SEPTEMBER 1984

SUMMARY: THIS IS THE FIFTH STATUS REPORT WHICH DESCRIBES EXPERIMENTS
SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL
OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC OF GERMANY.
THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE MINE, THE
PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY, AND THE
MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE FIRST 16
MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/03/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/27/87

PUBLISHED REPORT NUMBER: BMI/ONWI-0615

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02248

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1073

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, APRIL - JUNE 1984

SUMMARY: THIS IS THE FOURTH STATUS REPORT WHICH DESCRIBES EXPERIMENTS
SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL
OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC OF GERMANY.
THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE MINE, THE
PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY, AND THE
MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE FIRST 13
MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0643

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01873

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1061

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, MAY - SEPTEMBER 1983

SUMMARY: THIS REPORT DESCRIBES EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800M LEVEL OF THE ASSE SALT MINE FROM MAY - SEPTEMBER 1983. IT DESCRIBES THE TEST EQUIPMENT, THE MINE AND THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY AND INCLUDES TEST DATA FOR THE FIRST 4 MONTHS OF OPERATIONS ON BRINE MIGRATION RATES, BOREHOLE PRESSURE, SALT TEMPERATURES, AND THERMOMECHANICAL BEHAVIOR OF THE SALT.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02249

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1072

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, OCTOBER - DECEMBER 1984

SUMMARY: THIS IS THE SIXTH STATUS REPORT WHICH DESCRIBES EXPERIMENTS
SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL
OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC OF GERMANY.
THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE MINE, THE
PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY, AND THE
MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE FIRST 19
MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0645

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01883

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

1075

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, JANUARY - MARCH 1985

SUMMARY: THE SEVENTH QUARTERLY BRINE MIGRATION DAT REPORT DESCRIBES
EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE
800-METER LEVEL OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC
OF GERMANY. THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE
MINE, THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY,
AND THE MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE
FIRST 22 MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01884

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

1076

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, APRIL - JUNE 1985

SUMMARY: THE EIGHTH QUARTERLY BRINE MIGRATION DATA REPORT DESCRIBES EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC OF GERMANY. THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE MINE, THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY, AND THE MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE FIRST 25 MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/30/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01281

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST

1074

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, OCTOBER - DECEMBER 1983

SUMMARY: THE SECOND QUARTERLY BRINE MIGRATION DATA REPORT DESCRIBES
EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE
800-METER LEVEL OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC
OF GERMANY. THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE
MINE, THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY,
AND THE MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE
FIRST SEVEN MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01885

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1077

BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, JULY - SEPTEMBER 1985

SUMMARY: THE NINTH QUARTERLY BRINE MIGRATION DATA REPORT DESCRIBES
EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE
800-METER LEVEL OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC
OF GERMANY. THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE
MINE, THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY,
AND THE MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR THE
FIRST 28 MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01886

SUBJECT CATEGORY: TEST FACILITIES MANAGEMENT AND INTEGRATION (WBS
1.3.7.1)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1078

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: QUARTERLY BRINE MIGRATION DATA REPORT, OCTOBER - DECEMBER 1985

SUMMARY: THE TENTH AND FINAL QUARTERLY BRINE MIGRATION DATA REPORT DESCRIBES EXPERIMENTS SIMULATING A NUCLEAR WASTE REPOSITORY AT THE 800-METER LEVEL OF THE ASSE SALT MINE IN THE FEDERAL REPUBLIC OF GERMANY. THIS REPORT DESCRIBES THE TEST EQUIPMENT, THE MINE, THE PRETEST PROPERTIES OF THE SALT IN THE TEST GALLERY, AND THE MINE PROPER. IT ALSO INCLUDES THE TEST DATA FOR ALL 31 MONTHS OF OPERATIONS.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 07/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01451

SUBJECT CATEGORY: TEST FACILITIES AVERY ISLAND (WBS 1.3.7.2.6)

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: MOAK

132

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: RESULTS OF PHASE I ACCELERATED BOREHOLE TESTING PROGRAM AT
AVERY ISLAND

SUMMARY: THIS REPORT CONTAINS FIELD TESTING DATA FROM HEATED CORE-JACK
TESTING AT AVERY ISLAND. DATA INCLUDES TEMPERATURE
MEASUREMENT AND DISPLACEMENT OF THE CENTRAL BLOCK BORING
VERSUS TIME OF LOAD APPLICATION.

PLANNED REVIEWS: ONWI-INTERNAL, QAD, PEER, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02250

SUBJECT CATEGORY: LAND ACQUISITION EXPLORATORY SHAFT (WBS 1.3.8.2)

DOE CONTACT PERSON: WILLIAMS

RESPONSIBLE MANAGER: WAGENBACH

391

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: LAND ACQUISITION PLAN

SUMMARY: THE LAND ACQUISITION PLAN IS INTENDED TO DESCRIBE THE LAND
ACQUISITION AND MANAGEMENT ACTIVITIES NECESSARY TO CONDUCT
SITE CHARACTERIZATION.

PLANNED REVIEWS: ONWI-INTERNAL,REGD,LED,REPD,SCD,INSD,DOE/HQ,DOE/SRPO,
PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01416

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

279

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 JULY - 30 SEPTEMBER 1985

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
FOURTH QUARTER OF FY 1985 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/20/86

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/27/86

PUBLISHED REPORT NUMBER: DOE/CH/10140-03(85-4)

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01629

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

436

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 OCTOBER - 31 DECEMBER 1985

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
FIRST QUARTER OF FY 1986 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/20/86

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/27/86

PUBLISHED REPORT NUMBER: DOE/CH/10140-03(86-1)

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

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ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

**SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET**

TRACKING NUMBER: 01630

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

437

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

**TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 JANUARY - 31 MARCH 1986**

**SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
SECOND QUARTER OF FY 1986 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.**

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/20/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/25/87

PUBLISHED REPORT NUMBER: DOE/CH/10140-03(86-2)

**IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
OF THIS REPORT, PLEASE WRITE A LETTER WHICH INCLUDES TRACKING NUMBER
AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:**

**U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201**

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01631

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

438

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 APRIL - 30 JUNE 1986

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
THIRD QUARTER OF FY 1986 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/25/87

PUBLISHED REPORT NUMBER: DOE/CH/10140-03(86-3)

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01709

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: BAKER

1025

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT OFFICE
OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM, APRIL
1978 - MAY 1986

SUMMARY: THIS IS AN ANNOTATED BIBLIOGRAPHY OF APPROVED REPORTS THAT
HAVE BEEN PRODUCED FOR THE U.S. DEPARTMENT OF ENERGY SALT
REPOSITORY PROJECT OFFICE OF THE CIVILIAN RADIOACTIVE WASTE
MANAGEMENT PROGRAM SINCE APRIL 1978. IT IS INTENDED FOR USE
BY THE U.S. DOE, STATE, AND LOCAL OFFICIALS, THE U.S. NRC,
AND OTHERS WHO NEED A COMPREHENSIVE LISTING OF REPORTS
RELATED TO A NUCLEAR WASTE REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/11/87

PUBLISHED REPORT NUMBER: DOE/CH/10140-05(86)

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
OF THIS REPORT, PLEASE WRITE A LETTER WHICH INCLUDES TRACKING NUMBER
AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01632

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

439

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 JULY - 30 SEPTEMBER 1986

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
FOURTH QUARTER OF FY 1986 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/30/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/10140-03(86-4)

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01745

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: GARVEY

1082

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT INFORMATION SYSTEMS DESCRIPTION

SUMMARY: THIS DOCUMENT PROVIDES A DETAILED DESCRIPTION OF THE EVOLVING INTEGRATED DATA MANAGEMENT SYSTEM WHICH HAS BEEN DESIGNED TO MEET THE NEEDS OF THE SRP DURING SITE CHARACTERIZATION AND LICENSING. IT REFLECTS THE CURRENT STAGE OF DEVELOPMENT IN WHICH MOST OF THE DATA BASES HAVE BEEN MOVED TO THE VAX COMPUTER AND DM SOFTWARE. A DESCRIPTION OF EACH DATA BASE IS INCLUDED.

PLANNED REVIEWS: ONWI-INTERNAL,TMP-17,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/01/87

DELIVERABLE TYPE: SYSTEM DESCRIPTION

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0635

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY OF THIS REPORT, PLEASE WRITE A LETTER WHICH INCLUDES TRACKING NUMBER AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

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ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01715

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

1021

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 OCTOBER - 31 DECEMBER 1986

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
FIRST QUARTER OF FY 1987 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01910

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: BAKER

1097

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT OFFICE
OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM, APRIL
1978 - DECEMBER 1986

SUMMARY: THIS IS AN ANNOTATED BIBLIOGRAPHY OF APPROVED REPORTS THAT
HAVE BEEN PRODUCED FOR THE U.S. DEPARTMENT OF ENERGY SALT
REPOSITORY PROJECT OF THE CIVILIAN RADIOACTIVE WASTE
MANAGEMENT PROGRAM SINCE APRIL 1978. IT IS INTENDED FOR USE
BY THE U.S. DOE, STATE AND LOCAL OFFICIALS, THE U.S. NRC, AND
OTHERS WHO NEED A COMPREHENSIVE LISTING OF REPORTS RELATED TO
A NUCLEAR WASTE REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL, DOE/SRPO, PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01716

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: MOUNT

1022

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
REPORT OF THE QUARTER 1 JANUARY - 31 MARCH 1987

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
SECOND QUARTER OF FY 1987 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 09/01/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01919

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: TROVER

1129

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT OFFICE
OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM, APRIL
1978 - MAY 1987

SUMMARY: THIS IS AN ANNOTATED BIBLIOGRAPHY OF APPROVED REPORTS THAT
HAVE BEEN PRODUCED FOR THE U.S. DEPARTMENT OF ENERGY SALT
REPOSITORY PROJECT OF THE CIVILIAN RADIOACTIVE WASTE
MANAGEMENT PROGRAM SINCE APRIL 1978. IT IS INTENDED FOR USE
BY THE U.S. DOE, STATE AND LOCAL OFFICIALS, THE U.S. NRC, AND
OTHER WHO NEED A COMPREHENSIVE LISTING OF REPORTS RELATED TO
A NUCLEAR WASTE REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 10/15/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01717

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: MOUNT

1023

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 APRIL - 30 JUNE 1987

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
THIRD QUARTER OF FY 1987 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 12/01/87

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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OF THIS REPORT, PLEASE WRITE A LETTER WHICH INCLUDES TRACKING NUMBER
AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01718

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: MOUNT

1024

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SALT REPOSITRORY PROJECT TECHNICAL PROGRESS REPORT FOR THE
QUARTER 1 JULY - 30 SEPTEMBER 1987

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE
FOURTH QUARTER OF FY 1987 ON THE DEVELOPMENT OF A GEOLOGIC
REPOSITORY IN SALT FOR THE PERMANENT DISPOSAL OF HIGH-LEVEL
NUCLEAR WASTE. THE REPORTING ELEMENTS ARE ARRANGED BY THE
WORK BREAKDOWN STRUCTURE SO THAT RELATED STUDIES ARE
PRESENTED TOGETHER.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/88

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

IF YOU ARE NOT CURRENTLY ON OUR MAILING LIST AND WISH TO RECEIVE A COPY
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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

U.S. DEPARTMENT OF ENERGY
ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201

04/87

SALT REPOSITORY PROJECT
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01920

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: TROVER

1130

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT OF THE
CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM, APRIL 1978 -
DECEMBER 1987

SUMMARY: THIS IS AN ANNOTATED BIBLIOGRAPHY OF APPROVED REPORTS THAT
HAVE BEEN PRODUCED FOR THE U.S. DEPARTMENT OF ENERGY SALT
REPOSITORY PROJECT OF THE CIVILIAN RADIOACTIVE WASTE
MANAGEMENT PROGRAM SINCE APRIL 1978. IT IS INTENDED FOR USE
BY THE U.S. DOE, STATE AND LOCAL OFFICIALS, THE U.S. NRC, AND
OTHERS WHO NEED A COMPREHENSIVE LISTING OF REPORTS RELATED TO
A NUCLEAR WASTE REPOSITORY IN SALT.

PLANNED REVIEWS: ONWI-INTERNAL,DOE/SRPO,PATENT

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/15/88

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER:

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AND TITLE AS LISTED ABOVE AND SEND IT TO THE FOLLOWING ADDRESS:

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ATTN: DOCUMENT CONTROL
505 KING AVENUE
COLUMBUS, OHIO 43201