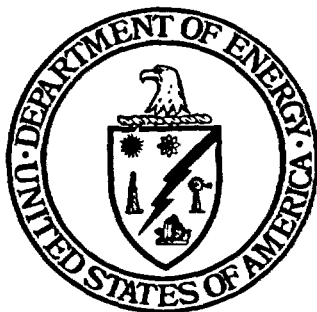


# Catalog of Ongoing and Planned Work of the CRWM-Salt Repository Project in Columbus, Ohio

February 1987

U.S. Department of Energy  
Salt Repository Project Office



8703310271 870108  
PDR WASTE  
WM-16 PDR

encl. to Feb. Update of  
Catalog of ongoing & planned  
work of the CRWM

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

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

This catalog was prepared by Battelle Project Management Division, Office of Nuclear Waste Isolation under Contract DE-AC02-83CH10140 with the U.S. Department of Energy.

## TABLE OF CONTENTS

	<u>Page</u>
Introduction . . . . .	1
Types of Information/Data To Be Provided . . . . .	3
The Catalog Input Sheet. . . . .	4
The Report Description Sheets. . . . .	6
How to Access Information on the Salt Repository Project . . . . .	8
Procedures for Providing Information/Data. . . . .	10
Procedure #1: Providing Data Reports Within 30-45 Days of Collection. . . . .	11
Procedure #2: Providing Access to Field Activities. . . . .	13
Procedure #3: Providing Topical Reports . . . . .	14
Procedure #4: Computerized Information Systems. . . . .	15
Procedure #5: Providing Design Drawings . . . . .	17
Procedure #6: Providing Processed Data from the Technical Data Management System. . . . .	18
Procedure #7: Providing Activity Plans, Test Plans, and Test Procedures . . . . .	19
Procedure #8: Updating the Report Description Sheets for This Catalog. . . . .	20
Procedure #9: Compiling User-Generated Catalog. . . . .	21
The Catalog of Report Description Sheets . . . . .	22

## 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 Programmic 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.





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 prepublishing 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

Procedure No.	Product/Process Addressed
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.

Procedure**Work 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  
BASTN 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 sheet 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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01218

SUBJECT CATEGORY: SYSTEMS MANAGEMENT AND INTEGRATION (WBS 1.3.1.1)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: VRONA 303

-----  
BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT FY 85 TECHNICAL PROJECT PLAN

SUMMARY: 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.

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

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/15/85

DELIVERABLE TYPE: PROJECT PLAN

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/23/85

PUBLISHED REPORT NUMBER: DOE/CH/10140-4

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

02/87

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

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

02/87

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:

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

02/87

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: FLUOR

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01228

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: CASEY

RESPONSIBLE MANAGER: DIPPOLD

173

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: A GENERIC DATA BASE FOR ESTIMATING THE COST OF WASTE PACKAGING FACILITIES

SUMMARY: THIS REPORT PRESENTS A GENERIC METHOD FOR ESTIMATING THE COST OF WASTE PACKAGING FACILITIES. THIS METHOD CAN BE APPLIED TO ANY MIX OF THE VARIOUS WASTE TYPES WHICH ARE LIKELY TO BE SENT TO A REPOSITORY.

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

ORIGINATOR OF DATA: E. R. JOHNSON ASSOCIATES INC

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

DELIVERABLE TYPE: MGDS LIFE CYCLE COST REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0572

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

02/87

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: SRP SYSTEM DESIGN DESCRIPTION (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: 04/01/87

DELIVERABLE TYPE: SYSTEM DESIGN DESCRIPTION

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

02/87

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: 04/01/87

DELIVERABLE TYPE: SRP STRATEGY DOCUMENT

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

02/87

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: 04/06/87

DELIVERABLE TYPE: PROGRAM PLAN

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01857

SUBJECT CATEGORY: SYSTEMS ENGINEERING (WBS 1.3.1.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: WAITE

1064

-----  
BASIN: CANDIDATE SITE

STATUS: WORK IN PROGRESS

TITLE: 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:

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

02/87

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: 06/15/87

DELIVERABLE TYPE: SRP REQUIREMENTS DOCUMENT

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

02/87

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: 10/31/87

DELIVERABLE TYPE: SYSTEMS STUDY 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  
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

02/87

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

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

02/87

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01394

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KIRCHER

296

-----  
BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: THE ORGANIC GEOCHEMISTRY OF DEEP GROUND WATERS FROM THE PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT DESCRIBES THE ORGANIC GEOCHEMISTRY OF 11 GROUND WATER SAMPLES FROM THE PALO DURO BASIN, TEXAS AND DISCUSSES THE IMPLICATIONS OF THEIR ORGANIC GEOCHEMICAL COMPOSITIONS IN TERMS OF RADIONUCLIDE COMPLEXATION, GROUND WATER ORIGIN, AND THE PETROLEUM POTENTIAL OF TWO CANDIDATE REPOSITORY SITES IN DEAF SMITH AND SWISHER COUNTIES.

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

ORIGINATOR OF DATA: ONWI, BATTELLE COLUMBUS DIVISION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 01/03/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0578

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

02/87

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 (INTRACOIN) WORKSHOP AND COORDINATING  
COMMITTEE MEETING

SUMMARY: THIS REPORT PRESENTS THE ACCOUNTS OF THE INTRACOIN 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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01490

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER

374

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: GEOSTATISTICAL ANALYSIS OF POTENTIOMETRIC DATA IN THE WOLFCAMP  
AQUIFER OF THE PERMIAN BASIN

SUMMARY: THIS REPORT DETAILS A GEOSTATISTICAL ANALYSIS OF  
POTENTIOMETRIC DATA FROM THE WOLFCAMP AQUIFER IN THE PERMIAN  
BASIN.

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

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 05/07/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0587

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



02/87

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02210

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: HARPER 142

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: GRESS - GRADIENT ENHANCE SOFTWARE SYSTEM VERSION D USERS GUIDE

SUMMARY: THIS REPORT IS THE LATEST VERSION OF THE USERS GUIDE TO THE APPLICATION OF GRESS. GRESS IS A COMPUTER CODE WHICH COMPILES FORTRAN PROGRAMS FOR SENSITIVITY ANALYSIS.

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

ORIGINATOR OF DATA: OAK RIDGE NATIONAL LABORATORY

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

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 07/31/85

PUBLISHED REPORT NUMBER: ORNL/TM-9658

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

02/87

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

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01735

SUBJECT CATEGORY: TOTAL SYSTEM PERFORMANCE ASSESSMENT (WBS 1.3.1.4)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: DOMAN 1035

-----  
BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: PRELIMINARY ANALYSIS OF THE OPERATING CHARACTERISTICS OF A  
GENERIC REPOSITORY RECEIVING FACILITY

SUMMARY: THE OPERATING CHARACTERISTICS OF A RECEIVING FACILITY  
STRUCTURED AROUND CURRENT TECHNOLOGY AND PRACTICES HAVE BEEN  
REVIEWED. WHILE THE CURRENT GENERATION OF MATERIAL-HANDLING  
EQUIPMENT IS ADEQUATE TO PROCESS THE CASKS, PERSONNEL  
RADIATION EXPOSURES FOR THE GENERIC FACILITY ANALYZED ARE  
UNACCEPTABLY HIGH. THIS EMPHASIZES THE NEED FOR DEVELOPMENT  
OF OCCUPATIONAL RADIATION EXPOSURE CONTROL CONCEPTS.

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

ORIGINATOR OF DATA: ONWI

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

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

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:

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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:

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

02/87

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:

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



02/87

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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01196

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

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: CAVANAUGH 113

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

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

SUMMARY: THIS REPORT PROVIDES REFERENCE CONCEPTUAL DESIGN WHICH  
OPTIMIZE THE CONTAINERIZED WASTE FORMS AND OVERPACK FOR  
DISPOSAL OF HIGH-LEVEL WASTES IN A SALT REPOSITORY. THE  
REPORT CONTAINS REFERENCE CONCEPTUAL DESIGNS FOR COMMERCIAL  
HIGH-LEVEL WASTE, DEFENSE HIGH-LEVEL WASTE, AND CONSOLIDATED  
SPENT FUEL.

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

ORIGINATOR OF DATA: WESTINGHOUSE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/86

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/24/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0517(R1)

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

02/87

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: 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 PPROGRAM.

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

ORIGINATOR OF DATA: ONWI

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

DELIVERABLE TYPE: PROGRAM PLAN

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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



02/87

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

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

02/87

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

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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: BMI/ONWI-0583

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0607

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-08

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

02/87

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: 04/01/87

DELIVERABLE TYPE: STUDY PLAN

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

02/87

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

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



02/87

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: 03/31/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01890

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

DOE CONTACT PERSON: WU

RESPONSIBLE MANAGER: SCHORNHORST 1083

-----  
BASIN: GENERIC STATUS: WORK IN PROGRESS

TITLE: VERIFICATION REPORT FOR HEATING5 FOR CONVECTIVE AND RADIATIVE  
BOUNDARY CONDITIONS

SUMMARY: THIS REPORT DOCUMENTS THE RESULTS OF THE VERIFICATION EFFORT  
FOR THE GENERAL HEAT TRANSFER PROGRAM HEATING5. 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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02298

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

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:

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

02/87

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:

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

02/87

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:

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

02/87

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: WASTE PACKAGE PERFORMANCE ASSESSMENT (WAPPA) CODE DOCUMENTATION

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

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

02/87

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 DOCUMENT IS THE TOPICAL WASTE PACKAGE BACKUP REPORT FOR  
THE EAS. NEAR FIELD CONDITIONS ARE USED TO PREDICT THE  
EXPECTED WASTE PACKAGE LIFETIMES AND RADIOACTIVE RELEASES AT  
SEVEN POTENTIAL SITES FOR 10,000 YEARS. IT PRESENTS A  
COMPARISON WITH 10 CFR 60 AND 40 CFR 191 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:

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



02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 05/09/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 05/12/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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:

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

02/87

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 IN PROGRESS

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: 03/31/87

DELIVERABLE TYPE: PROGRAM PLAN

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

02/87

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: 03/31/87

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/10140-06

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

02/87

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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01148

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

DOE CONTACT PERSON: DARROUGH

RESPONSIBLE MANAGER: GRAY

76

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: SOCIOECONOMIC ANALYSIS OF REPOSITORY SITING MODEL - TECHNICAL  
DESCRIPTION

SUMMARY: THIS REPORT IS A TECHNICAL DESCRIPTION OF THE SOCIOECONOMIC  
ASSESSMENT OF REPOSITORY SITING MODEL.

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

ORIGINATOR OF DATA: TX AGRICULTURAL EXPERIMENT STATION

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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



02/87

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: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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:

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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:

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

02/87

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:

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

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

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01155

SUBJECT CATEGORY: PERMIAN BASIN MANAGEMENT AND INTEGRATION (WBS  
1.3.3.2.1)

DOE CONTACT PERSON: FERRIGAN

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: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01456

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

1029

-----  
BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: WELL COMPLETION REPORT FOR THE DETTEN NO. 1 (PD-6) WELL, PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT PROVIDES A BRIEF DESCRIPTION OF THE DRILLING AND TESTING PROGRAM CONDUCTED AT THE SWEC DETTEN NO. 1 WELL NEAR HEREFORD, TEXAS. IT IS REVISION 1 OF THE REPORT ORIGINALLY RELEASED IN NOVEMBER 1982. MINOR CORRECTIONS AND EDITORIAL CHANGES HAVE BEEN MADE FOR THE SAKE OF CLARITY.

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

ORIGINATOR OF DATA: STONE + WEBSTER

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

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/18/85

PUBLISHED REPORT NUMBER: BMI/SRP-5008(R1)

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01662

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

978

-----  
BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: PETROLEUM GEOLOGY OF THE PALO DURO BASIN, TEXAS PANHANDLE

SUMMARY: THIS REPORT PRESENTS GEOLOGIC INFORMATION THAT WILL FORM PART OF THE BASIS FOR FURTHER ANALYSIS AND CONCLUSIONS ON HYDROCARBON POTENTIAL IN THE PALO DURO BASIN. ALTHOUGH THE INFORMATION SUGGESTS POTENTIAL, AND DEEP AND PROLIFIC PETROLEUM-PRODUCING BASINS ADJOIN THE PALO DURO ON THE NORTH, SOUTH AND EAST, THE BASIN HAS PRODUCED REMARKABLY SMALL AMOUNTS OF OIL AND GAS TO DATE.

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

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/07/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/20/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0589

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02384

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: SULIMA

419

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: HYDROCARBON RESOURCES OF THE PALO DURO BASIN, TEXAS PANHANDLE

SUMMARY: HYDROCARBON RESOURCES OF THE PALO DURO BASIN, TEXAS PANHANDLE  
ARE DISCUSSED IN THIS REPORT.

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

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/07/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/20/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0590

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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



02/87

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: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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  
COMPRESSONAL 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 COMPRESSONAL 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: 03/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01269

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

182

BASIN: PERMIAN

STATUS: WORK IN PROGRESS

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

SUMMARY: THIS REPORT PRESENTS RESULTS OF TESTS DONE BY STONE + WEBSTER  
IN THEIR OWN LABORATORY. THESE TESTS INCLUDE WATER CONTENT,  
DENSITY, EFFECTIVE POROSITY, SCHMIDT REBOUND HARDNESS INDEX,  
SPLITTING TENSILE STRENGTH, SLAKE DURABILITY INDEX, AND  
ATTERBERG LIMITS.

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

ORIGINATOR OF DATA: STONE + WEBSTER

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

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/SRP-5035

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01377

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: OSCHMAN

364

-----  
BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: LABORATORY TESTING OF ROCK SAMPLES FOR THE DETERMINATION OF REBOUND HARDNESS, ABRASION HARDNESS, AND UNCONFINED COMPRESSIVE STRENGTH FROM THE J. FRIEMEL NO. 1 (PD-9) WELL - PALO DURO BASIN, TEXAS: UNANALYZED DATA

SUMMARY: THIS REPORT CONTAINS THE REBOUND HARDNESS, ABRASION HARDNESS, AND UNCONFINED COMPRESSIVE STRENGTH OF ROCK SAMPLES FROM THE J. FRIEMEL NO. 1 (PD-9) WELL. THE LABORATORY TEST SAMPLES WERE MEASURED FOR MOISTURE CONTENT, DENSITY, SCHMIDT REBOUND HARDNESS, TABER ABRASION HARDNESS, P-WAVE VELOCITY, UNCONFINED COMPRESSIVE STRENGTH, YOUNG'S MODULUS, AND POISSON'S RATIO.

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

ORIGINATOR OF DATA: STONE + WEBSTER

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

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/SRP-5036

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: OF-WTWI-1985-25

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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: BMI/ONWI-0621

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

02/87

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: 03/31/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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



02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: OF-WTWI-1985-9

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

02/87

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: WORK IN PROGRESS

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0633

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-03

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-04

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-05

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

02/87

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: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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



02/87

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: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: BMI/SRP-5042

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/SRP-5040

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

02/87

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

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

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/SRP-5041

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



02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01479

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: KUNTZ

368

-----  
BASIN: PERMIAN

STATUS: WORK IN PROGRESS

TITLE: SURFACE INVESTIGATION PLAN

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

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

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:

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

02/87

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

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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

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



02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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:

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



02/87

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

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

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

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

02/87

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

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

02/87

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

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

02/87

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:

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

02/87

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

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

02/87

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02199

SUBJECT CATEGORY: PERMIAN BASIN GEOLOGY (WBS 1.3.3.2.2)

DOE CONTACT PERSON: FERRIGAN

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: 10/15/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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



02/87

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:

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

02/87

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:

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

02/87

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:

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

02/87

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:

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

02/87

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

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

02/87

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: 02/28/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 02/28/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: OF-WTWI-1985-38

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



02/87

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:

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

02/87

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: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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

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

02/87

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:

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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 PREDOMINANTLY 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

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01331

SUBJECT CATEGORY: PERMIAN BASIN GEOCHEMISTRY (WBS 1.3.3.2.4)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: OSCHMAN 366

-----  
BASIN: PERMIAN STATUS: DOCUMENT DISTRIBUTED

TITLE: INVESTIGATION OF THE SUSPECTED PRESENCE OF SOLID HYDROCARBON IN  
BEDDED SALT SAMPLES FROM THE PALO DURO BASIN, TEXAS

SUMMARY: THIS REPORT CONTAINS LABORATORY TEST RESULTS FOR BEDDED SALT  
SAMPLES FROM THE GRABBE NO. 1 (PD-2) WELL. THIS STUDY WAS  
COMMISSIONED TO DETERMINE WHETHER SOLID HYDROCARBONS EXIST IN  
BEDDED SALT SAMPLES IN THE PALO DURO BASIN. INVESTIGATIONS  
INCLUDE ELECTRON MICROPROBE EXAMINATIONS ON POLISHED THIN  
SECTIONS AND OPTICAL EXAMINATIONS AND CHEMICAL TESTS ON  
INSOLUBLE RESIDUES OF THE TEST SAMPLES.

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

ORIGINATOR OF DATA: STONE + WEBSTER

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 11/22/85

PUBLISHED REPORT NUMBER: BMI/ONWI-0582

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-01

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

02/87

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: 03/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-02

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-06

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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

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

02/87

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

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

02/87

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

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



02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0620

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

02/87

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: WORK IN PROGRESS

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0629

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

02/87

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: WORK IN PROGRESS

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0617

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

02/87

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 BACKGROUND 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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01119

SUBJECT CATEGORY: PARADOX BASIN MANAGEMENT AND INTEGRATION (WBS  
1.3.3.3.1)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: NELSON 14

-----  
BASIN: PARADOX STATUS: DOCUMENT DISTRIBUTED

TITLE: MARBLE CANYON SPRING SAMPLING INVESTIGATIONS

SUMMARY: THIS REPORT DISCUSSES THE CHEMISTRY OF THE MARBLE CANYON  
SPRINGS AND THE POSSIBILITY THAT THESE SPRINGS REPRESENT  
DISCHARGE POINTS FOR THE LEADVILLE LIMESTONE.

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

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/18/85

PUBLISHED REPORT NUMBER: BMI/ONWI-0514

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01316

SUBJECT CATEGORY: PARADOX BASIN GEOLOGY (WBS 1.3.3.3.2)

DOE CONTACT PERSON: FERRIGAN

RESPONSIBLE MANAGER: HUMMELDORF 336

-----  
BASIN: PARADOX STATUS: DOCUMENT DISTRIBUTED

TITLE: ROCK INDEX PROPERTIES FOR GEOENGINEERING IN THE PARADOX BASIN

SUMMARY: THE SELECTION AND TESTING OF ROCK CORE SAMPLES SELECTED FROM THE GIBSON DOME NO. 1 BOREHOLE ARE DESCRIBED. THE INDEX TESTS INCLUDE THE POINT LOAD TEST, SCHMIDT HAMMER REBOUND TEST, AND ABRASION HARDNESS TEST. COMPLETE STATISTICAL RESULTS AND COMPUTER-GENERATED GRAPHICS ARE PRESENTED AND ARE DESCRIBED IN RELATION TO THE WORK OF EARLIER INVESTIGATIONS FOR INDEX TESTING OF SIMILIAR ROCK TYPES.

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

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 04/11/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0579

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

02/87

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

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

02/87

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 LAVENDAR 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

PUBLISHED REPORT NUMBER: BMI/ONWI-0594

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0622

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01384

SUBJECT CATEGORY: PARADOX BASIN HYDROLOGY (WBS 1.3.3.3.3)

DOE CONTACT PERSON: SHERWIN

RESPONSIBLE MANAGER: RAZEM

263

BASIN: PARADOX

STATUS: DOCUMENT DISTRIBUTED

TITLE: STATUS REPORT: NUMERICAL MODELING OF GROUND-WATER FLOW IN THE  
PALEOZOIC FORMATIONS, WESTERN PARADOX, UTAH

SUMMARY: A THREE-DIMENSIONAL FINITE-DIFFERENCE NUMERICAL MODEL WAS  
APPLIED TO SIMULATE THE GROUND-WATER FLOW PATTERN IN  
PALEOZOIC STRATA IN THE WESTERN PARADOX BASIN. THE PURPOSE OF  
MODELING WAS TO TEST THE PRESENT CONCEPTUAL HYDROGEOLOGIC  
MODEL AND EVALUATE DATA DEFICIENCIES. THIS REPORT PRESENTS  
THE RESULTS OF THIS EFFORT.

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

ORIGINATOR OF DATA: WOODWARD-CLYDE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 12/20/85

PUBLISHED REPORT NUMBER: BMI/ONWI-0571

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

02/87

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

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



02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/01664-07

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0603

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

02/87

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

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

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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

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

02/87

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

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

02/87

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

PUBLISHED REPORT NUMBER: BMI/ONWI-0614

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01669

SUBJECT CATEGORY: GULF COAST SALT DOMES GEOLOGY (WBS 1.3.3.4.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: HELGERSON

984

-----  
BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: AEROMAGNETIC MAP OF LOUISIANA

SUMMARY: THIS IS AN AEROMAGNETIC MAP OF THE STATE OF LOUISIANA  
PRODUCED FROM AEROMAGNETIC DATA FROM THE U.S. DEPT OF  
ENERGY'S NATIONAL URANIUM RESOURCE EVALUATION (NURE) PROGRAM.  
INDIVIDUAL DATA SETS FROM 1 DEGREE X 2 DEGREE QUADRANGLES  
WERE INTEGRATED TO PRODUCE THE MAP.

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

ORIGINATOR OF DATA: BENDIX FIELD ENGINEERING CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/86

DELIVERABLE TYPE: AEROMAGNETIC MAP

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/21/86

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01587

SUBJECT CATEGORY: GULF COAST SALT DOMES GEOLOGY (WBS 1.3.3.4.2)

DOE CONTACT PERSON: HESTON

RESPONSIBLE MANAGER: KUNTZ

413

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: EVALUATION OF THE STRUCTURE AND STRATIGRAPHY OVER RICHTON DOME,  
MISSISSIPPI

SUMMARY: THIS STRUCTURAL AND STRATIGRAPHIC ANALYSIS PROVIDES INSIGHTS  
ON DOME GROWTH HISTORY, DOME GEOMETRY, AND NEARDOME  
HYDROSTRATIGRAPHY THAT WILL AID IN PLANNING SITE  
CHARACTERIZATION FIELD ACTIVITIES, INCLUDING AN EXPLORATORY  
SHAFT, AND IN THE CONCEPTUAL DESIGN OF A HIGH-LEVEL WASTE  
(HLW) REPOSITORY.

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

ORIGINATOR OF DATA: THE EARTH TECHNOLOGY CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 06/01/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 05/07/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0585

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



02/87

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

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

02/87

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: 02/28/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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: WORK IN PROGRESS

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: 02/20/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0623

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

02/87

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: 03/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0634

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

02/87

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

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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



02/87

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:

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

02/87

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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01626

SUBJECT CATEGORY: REPOSITORY MANAGEMENT AND INTEGRATION (WBS  
1.3.4.1)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 979

BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG REVIEW OF SALT CONSTITUTIVE LAW, SALT STRESS DETERMINATIONS  
AND SALT CORROSION AND MODELING STUDIES

SUMMARY: THIS REPORT PRESENTS ERG REVIEWS OF THREE ITEMS ALONG WITH  
ONWI RESPONSES TO SPECIFIC ERG SUGGESTIONS AND  
RECOMMENDATIONS. THE FIRST ITEM WAS RE/SPEC'S "REVIEW OF  
CONSTITUTIVE LAWS USED TO DESCRIBE THE CREEP OF SALT"  
(ONWI-295). THE SECOND WAS WORK ON SALT STRESS DETERMINATIONS  
BY LBL AND THE THIRD WAS ON PNL'S PRELIMINARY DRAFT REPORT ON  
SALT IRRADIATION AND CORROSION MODELING STUDIES.

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

ORIGINATOR OF DATA: ERG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/86

DELIVERABLE TYPE: REVIEW RECORD MEMORANDA

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/28/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0592

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

02/87

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

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

02/87

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: 03/31/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-01

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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-02

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

02/87

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: 04/01/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: SUBSYSTEM REQUIREMENTS

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



02/87

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:

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

02/87

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:

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

02/87

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:

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

02/87

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: ROBINETTE 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

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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:

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01070

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01619

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01354

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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: 03/31/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0556

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01529

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: ROBINETTE

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01449

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: HUME

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: 05/01/87

DELIVERABLE TYPE: TEST ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01453

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01592

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01617

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01620

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: OSCHMAN

396

BASIN: GENERIC

STATUS: WORK IN PROGRESS

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: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01622

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: HUME

394

BASIN: GENERIC

STATUS: WORK IN PROGRESS

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: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 02194

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: HUME

524

BASIN: GENERIC

STATUS: WORK IN PROGRESS

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: 05/05/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0630

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01865

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01866

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01405

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: MCNULTY

294

BASIN: GENERIC

STATUS: WORK IN PROGRESS

TITLE: EXPAREA: THREE-DIMENSIONAL DISPLACEMENT DISCONTINUITY, CODE FOR ANALYSIS OF NUCLEAR WASTE REPOSITORIES IN SALT

SUMMARY: EXPAREA CALCULATES TEMPERATURES, STRESSES, AND DEFORMATIONS FOR LARGE SCALE THREE-DIMENSIONAL REPOSITORY PROBLEMS WITH TIME-VARYING HEAT SOURCES IN A HOMOGENEOUS, ISOTROPIC AND LINEARLY ELASTIC MEDIUM. IT CONFINES ALL NON-LINEAR EFFECTS TO REPOSITORY PILLARS. THIS REPORT FOLLOWS REQUIREMENTS SET FORTH IN NUREG-856.

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

ORIGINATOR OF DATA: UNIVERSITY OF MINNESOTA

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

DELIVERABLE TYPE: TEST ANALYSIS 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 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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01621

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

RESPONSIBLE MANAGER: HUME

395

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SALT MATERIAL MODEL SCREENING REPORT

SUMMARY: EVALUATION OF SALT MATERIAL MODELS AS DETERMINED FROM  
LITERATURE SURVEY AND FITTING TO EXISTING DATA BASE. THIS  
REPRESENTS A NEW DIRECTION FOR SALT MATERIAL MODEL  
DEVELOPMENT.

-----  
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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01618

SUBJECT CATEGORY: ROCK MECHANICS (WBS 1.3.4.2.1)

DOE CONTACT PERSON: WATERS

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:

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



02/87

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:

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

02/87

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:

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

02/87

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:

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

02/87

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: ROBINETTE 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:

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

02/87

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

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

02/87

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

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

02/87

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:

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

02/87

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:

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



02/87

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

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

02/87

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:

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

02/87

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01322

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

236

BASIN: GULF COAST

STATUS: DOCUMENT DISTRIBUTED

TITLE: SCHEMATIC DESIGNS FOR PENETRATION SEALS FOR A REPOSITORY IN  
RICHTON DOME

SUMMARY: THIS REPORT DESCRIBES THE SCHEMATIC SEAL DESIGNS FOR A  
REPOSITORY IN DOME SALT REFERENCED TO THE GEOLOGY OF THE  
RICHTON DOME IN MISSISSIPPI. THE DESIGNS ARE PRESENTED FOR  
EXTENSIVE PEER REVIEW AND WILL BE UPDATED AS CONCEPTUAL  
DESIGNS IF THE RICHTON DOME IS SELECTED AS A CANDIDATE  
REPOSITORY SITE.

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

ORIGINATOR OF DATA: IT CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/86

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/05/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0562

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01323

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS 237

-----  
BASIN: PARADOX STATUS: DOCUMENT DISTRIBUTED

TITLE: SCHEMATIC DESIGNS FOR PENETRATION SEALS FOR A REPOSITORY IN THE  
PARADOX BASIN

SUMMARY: THIS REPORT DESCRIBES THE SCHEMATIC SEAL DESIGNS FOR A  
REPOSITORY IN BEDDED SALT REFERENCED TO THE STRATIGRAPHY OF  
THE PARADOX BASIN. THE DESIGNS ARE PRESENTED FOR EXTENSIVE  
PEER REVIEW AND WILL BE UPDATED AS CONCEPTUAL DESIGNS IF THE  
PARADOX BASIN IS SELECTED AS A CANDIDATE REPOSITORY SITE.

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

ORIGINATOR OF DATA: IT CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/01/86

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/07/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0563

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01321

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: RUTKAUSKAS

18

-----  
BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: SCHEMATIC DESIGNS FOR PENETRATION SEALS FOR A REPOSITORY IN THE  
PERMIAN BASIN

SUMMARY: THIS REPORT DESCRIBES THE SCHEMATIC SEAL DESIGNS FOR A  
REPOSITORY IN BEDDED SALT REFERENCED TO THE STRATIGRAPHY OF  
THE PERMIAN BASIN. THE DESIGNS ARE PRESENTED FOR EXTENSIVE  
PEER REVIEW AND WILL BE UPDATED AS CONCEPTUAL DESIGNS IF THE  
PERMIAN BASIN IS SELECTED AS A CANDIDATE REPOSITORY SITE.

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

ORIGINATOR OF DATA: IT CORP

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/86

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/19/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0564

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01633

SUBJECT CATEGORY: REPOSITORY SEALING (WBS 1.3.4.2.3)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: SCHORNHORST

980

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: ERG AND GRG REVIEW OF "PRELIMINARY TEST PLAN FOR IN SITU  
TESTING FROM AN EXPLORATORY SHAFT IN SALT - OCTOBER 1983"

SUMMARY: THIS REPORT PRESENTS THE FINDINGS OF A THOROUGH AND  
COMPREHENSIVE REVIEW CONDUCTED BY THE ENGINEERING REVIEW  
GROUP (ERG) AND GEOLOGIC REVIEW GROUP (GRG) ON THE IN SITU  
TEST PLAN (ISTP). THE GROUPS ALSO PROVIDED COMMENTS FOR  
INCORPORATION INTO FUTURE REVISIONS. IN GENERAL, ONWI  
SUPPORTS AND ENDORSES THE COMMENTS PROVIDED BY THE TWO GROUPS.

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

ORIGINATOR OF DATA: ERG,GRG

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/24/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0591

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

02/87

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)

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



02/87

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)

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

02/87

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

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

02/87

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)

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

02/87

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

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 06/23/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0581(V2)

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

02/87

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

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

02/87

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

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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: BMI/ONWI-0631

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

02/87

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: 04/01/87

DELIVERABLE TYPE: TEST/ANALYSIS PLAN

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



02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-04

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01731

SUBJECT CATEGORY: REPOSITORY FACILITIES (WBS 1.3.4.3)

DOE CONTACT PERSON: POWELL

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: 04/01/87

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

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

02/87

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

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

02/87

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 CONSTRUCTION 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

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

02/87

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:

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

02/87

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

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

02/87

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

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



02/87

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

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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



02/87

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

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/01/87

DELIVERABLE TYPE: DESIGN 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 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

02/87

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: 03/31/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0530

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

02/87

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: 04/01/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: DECISION STUDY 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 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

02/87

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

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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:

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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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



02/87

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

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

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

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

02/87

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: 03/31/87

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0609

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

02/87

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: 03/31/87

DELIVERABLE TYPE: DESIGN REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: DOE/CH/46656-03

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

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

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

02/87

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

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

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: ROBINETTE

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

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



02/87

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

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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:

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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

DELIVERABLE TYPE: DESIGN 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 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

02/87

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

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 00364

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: HUME

298

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: COMPILATION OF DATA FOR THERMOMECHANICAL ANALYSES OF FOUR  
POTENTIAL SALT REPOSITORIES

SUMMARY: THIS REPORT INCLUDES A COLLECTION AND SUMMARIZATION OF THE  
DATA WHICH IS NECESSARY TO PERFORM THERMOMECHANICAL ANALYSES  
OF FOUR POTENTIAL SALT REPOSITORY SITES IN UTAH, TEXAS,  
MISSISSIPPI, AND LOUISIANA. DATA ARE PRESENTED FOR THE SALT  
FORMATIONS, SURROUNDING GEOLOGIC UNITS, AND FOR MAN-MADE  
MATERIALS PLACED IN THE REPOSITORY SUCH AS THE NUCLEAR WASTE  
AND ITS PROTECTIVE STEEL LINER.

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

ORIGINATOR OF DATA: RE/SPEC INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/21/86

PUBLISHED REPORT NUMBER: ONWI-0364

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01420

SUBJECT CATEGORY: REPOSITORY PERFORMANCE ASSESSMENT (WBS 1.3.4.6)

DOE CONTACT PERSON: ROBINETTE

RESPONSIBLE MANAGER: MOAK

341

BASIN: PERMIAN

STATUS: DOCUMENT DISTRIBUTED

TITLE: NATURE OF THE INTERFACIAL REGION BETWEEN CEMENTITIOUS MIXTURES  
AND ROCKS FROM THE PALO DURO BASIN AND OTHER SEAL COMPONENTS

SUMMARY: USING THE INTERFACE ZONE AS AN INDICATOR OF COMPATIBILITY,  
PRELIMINARY TESTS WERE RUN USING CEMENT BASED FORMATIONS  
DESIGNED FOR USE IN SEALING IN CONJUNCTION WITH EVAPORITE AND  
CLASSIC ROCKS OF THE PALO DURO BASIN. EMPHASIS FOCUSED ON TWO  
FORMATIONS, BOTH DESIGNED TO BE SLIGHTLY EXPANSIVE. THIS  
REPORT PRESENTS THE RESULTS OF THESE TESTS.

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

ORIGINATOR OF DATA: PENNSYLVANIA STATE UNIVERSITY

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 04/15/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 04/18/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0580

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

02/87

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: 03/01/87

DELIVERABLE TYPE: COMPUTER CODE DOCUMENT

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



02/87

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: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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 REQUIRMENTS 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:

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01628

SUBJECT CATEGORY: LICENSING (WBS 1.3.5.2)

DOE CONTACT PERSON: APPEL

RESPONSIBLE MANAGER: CHEN

819

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: EVALUATION OF REGULATORY GUIDES POTENTIALLY USEFUL TO GEOLOGIC  
REPOSITORY DEVELOPMENT

SUMMARY: THE NRC GUIDE SERIES PROVIDES A SET OF GUIDELINES FOR  
ACHIEVING AND DEMONSTRATING REGULATORY COMPLIANCE FOR VARIOUS  
SEGMENTS OF THE NUCLEAR FUEL CYCLE. ONLY A FEW OF THESE  
PERTAIN TO HLW RESPOSITORY ACTIVITIES. THIS REPORT PROVIDES A  
SUMMARY SCREENING OF THESE GUIDES PUBLISHED AS OF SEPT 1983  
AND AN INITIAL ASSESSMENT OF THE POTENTIAL USEFULNESS OF THEM  
TO REPOSITORY DESIGN AND OPERATION.

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

ORIGINATOR OF DATA: EBASCO SERVICES INC

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 03/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/28/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0588

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

02/87

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: 04/01/87

DELIVERABLE TYPE: PROJECT STRATEGY

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

02/87

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

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

02/87

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

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

02/87

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

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:

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

02/87

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, USGS, ANL PEER, DOE/HQ, DOE/SRPO, CER, PATENT

ORIGINATOR OF DATA: VARIOUS ORIGINATORS

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 08/25/87

DELIVERABLE TYPE: MAJOR PROGRAMMATIC DOCUMENT

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



02/87

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: STUDY PLAN

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

02/87

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)

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01546

SUBJECT CATEGORY: ENVIRONMENTAL COMPLIANCE (WBS 1.3.5.3)

DOE CONTACT PERSON: WHITE

RESPONSIBLE MANAGER: KENNEDY

313

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: FINAL STATUTORY ENVIRONMENTAL ASSESSMENT FOR THREE POTENTIAL  
SALT LOCATIONS

SUMMARY: THESE DOCUMENTS ARE REVISIONS OF THE DRAFT ENVIRONMENTAL  
ASSESSMENTS CONTAINING RESPONSES TO INTERAGENCY AND PUBLIC  
COMMENTS IN THE FORM OF A MODIFIED TEXT. THE BASIC INTENT AND  
FORMAT IS UNCHANGED FROM THE DRAFT.

PLANNED REVIEWS: ONWI-INTERNAL, TMP-16, STATE REPRESENTATIVES, FEDERAL  
AGENCIES, PUBLIC, DOE/HQ, DOE/SRPO, PATENT

ORIGINATOR OF DATA: DOE

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 05/31/86

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 05/28/86

PUBLISHED REPORT NUMBER: DOE/RW-0069

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

02/87

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: 02/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 02/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 02/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 02/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 02/20/87

DELIVERABLE TYPE: RESULTS/ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0618

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



02/87

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: 02/28/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 02/28/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/01/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/01/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/15/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 03/15/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: BMI/ONWI-0632

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



02/87

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: 03/31/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 03/31/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: PROJECT STRATEGY

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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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

02/87

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 PLAN

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: 04/01/87

DELIVERABLE TYPE: PROGRAM PLAN

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

02/87

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: 04/01/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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: 04/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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  
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



02/87

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: 04/15/87

DELIVERABLE TYPE: DESIGN 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  
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

02/87

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

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

02/87

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:

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

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

02/87

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

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



02/87

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: 05/01/87

DELIVERABLE TYPE: RESULTS/ANALYSIS 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 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

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:

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

02/87

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:

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

02/87

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

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

02/87

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:

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

02/87

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:

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

02/87

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: GOLDR 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

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

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: GOLDBER ASSOCIATES INC

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

DELIVERABLE TYPE: ORG/IMPLEMENTATION PLAN

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



02/87

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:

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

02/87

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: 08/20/86

DELIVERABLE TYPE: TEST ANALYSIS REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/29/86

PUBLISHED REPORT NUMBER: BMI/ONWI-0616

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

02/87

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

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

02/87

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: 03/31/87

DELIVERABLE TYPE: UNANALYZED DATA 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  
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

02/87

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: UNANALYZED DATA 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  
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

02/87

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:

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

02/87

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: WORK IN PROGRESS

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: 05/31/87

DELIVERABLE TYPE: UNANALYZED DATA REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC:

PUBLISHED REPORT NUMBER: BMI/ONWI-0615

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

02/87

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: UNANALYZED DATA 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  
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



02/87

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: UNANALYZED DATA 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  
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

02/87

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

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

02/87

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

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

02/87

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:

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

02/87

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:

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

02/87

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: 05/01/87

DELIVERABLE TYPE: DESIGN 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 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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01417

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES 128

-----  
BASIN: GENERIC STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE  
QUARTER 1 OCTOBER - 31 DECEMBER 1984

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE  
FIRST 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: 06/30/85

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 08/28/85

PUBLISHED REPORT NUMBER: DOE/CH/10140-3(85-1)

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01398

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

129

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE  
QUARTER 1 JANUARY - 31 MARCH 1985

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE  
SECOND 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: 02/28/86

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/07/86

PUBLISHED REPORT NUMBER: DOE/CH/10140-3(85-2)

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



02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01415

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: COPLEY-GRAVES

266

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: SALT REPOSITORY PROJECT TECHNICAL PROGRESS REPORT FOR THE  
QUARTER 1 APRIL - 30 JUNE 1985

SUMMARY: THIS DOCUMENT REPORTS THE PROGRESS BEING MADE DURING THE  
THIRD 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: 02/28/86

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 03/07/86

PUBLISHED REPORT NUMBER: DOE/CH/10140-3(85-3)

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

02/87

SALT REPOSITORY PROJECT  
REPORT DESCRIPTION SHEET

TRACKING NUMBER: 01586

SUBJECT CATEGORY: PROJECT MANAGEMENT AND INTEGRATION (WBS 1.3.9.1)

DOE CONTACT PERSON: STARR

RESPONSIBLE MANAGER: BAKER

415

BASIN: GENERIC

STATUS: DOCUMENT DISTRIBUTED

TITLE: BIBLIOGRAPHY OF STUDIES FOR THE SALT REPOSITORY PROJECT OFFICE  
OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT PROGRAM APRIL 1978  
- JULY 1985

SUMMARY: THIS REPORT 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.

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

ORIGINATOR OF DATA: ONWI

DATE DISTRIBUTION IS PLANNED TO THE PUBLIC: 02/28/86

DELIVERABLE TYPE: MANAGEMENT REPORT

DATE DISTRIBUTION WAS MADE TO THE PUBLIC: 02/28/86

PUBLISHED REPORT NUMBER: DOE/CH/10140-5(85)

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

02/87

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/10140-3(85-4)

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

02/87

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/10140-3(86-1)

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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: DOE/CH/10140-3(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

02/87

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: 03/31/87

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  
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

02/87

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: WORK IN PROGRESS

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:

PUBLISHED REPORT NUMBER: DOE/CH/10140-5(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

02/87

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: WORK IN PROGRESS

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: 05/01/87

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  
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



02/87

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:

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

02/87

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  
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

02/87

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: COPLEY-GRAVES

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:

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

02/87

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: COPLEY-GRAVES

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:

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

02/87

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: COPLEY-GRAVES

1024

BASIN: GENERIC

STATUS: WORK IS PLANNED

TITLE: SALT REPOSITORY 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  
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

43193-005  
Box 13