

**USER'S GUIDE FOR
GENERALIZED REPORT WRITER FACILITY
REGULATORY PROGRAM DATABASE (RPD)
VERSION 1.1**

Prepared for

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ABBREVIATIONS

ASCII	American Standard Code for Information Interchange
CDM	Compliance Determination Method
CDS	Compliance Determination Strategy
CNWRA	Center for Nuclear Waste Regulatory Analyses
DOE	U.S. Department of Energy
DTD	Data Type Definition
DWM	Division of Waste Management
GUI	Graphical User Interface
HLW	High-Level Radioactive Waste
IMS	Information Management Systems
KTU	Key Technical Uncertainty
LAN	Local Area Network
LARP	License Application Review Plan
NFS	Network File Sharing
NMSS	NRC Office of Nuclear Material Safety and Safeguards
NRC	Nuclear Regulatory Commission
PADB	Program Architecture Database
PASS	Program Architecture Support System
RPD	Regulatory Program Database
RPS	Review Plan Section
SGML	Standard Generalized Markup Language
SQL	Structured Query Language
SRA	Systematic Regulatory Analysis
SwRI	Southwest Research Institute

ABBREVIATIONS (Cont'd)

TOP **Technical Operating Procedure**

WAN **Wide Area Network**

WSE&I **Waste Systems Engineering and Integration**

WTSO **Washington Technical Support Office**

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The Regulatory Program Database (RPD) has been developed in accordance with the software control and documentation requirements of the CNWRA Quality Assurance Manual.

1 INTRODUCTION

1.1 PURPOSE

The Regulatory Program Database (RPD) is an automated database management system for use by the Nuclear Regulatory Commission (NRC) staff in managing regulatory program records and other materials related to the prelicensing and licensing phases of the High-level Radioactive Waste (HLW) regulatory program. The purpose of this document is to provide a system description, procedures, and guidelines for the NRC and the Center for Nuclear Waste Regulatory Analyses (CNWRA) staff to use in operating the RPD.

1.2 SCOPE AND CONTENT

This *User's Guide* gives procedures for the input, retrieval, and reporting of regulatory program records. It also provides a background for the RPD and a general description of the process, but not the procedures, for developing and modifying regulatory program records. The procedures for developing and modifying regulatory program records are documented in NRC staff review plans and CNWRA technical operating procedures (TOPs).

The current version of RPD, as a distinct and separate database resident on the CNWRA database server computer, contains all approved regulatory program records and permits reporting of the status of these records.

The *User's Guide* is intended to give inexperienced users immediate access to computer database management tools that will support them in their development, management, and use of regulatory program records. The five types of users are grouped into two broad categories—information users and database custodians/administrators. Since the database is currently administered by the CNWRA, only CNWRA staff will be included in the latter group (custodian, database administrator). Three types of information users (users, operators, and managers) are defined, based on their requirement for use of information and their experience with the RPD. A chapter has been devoted to the capabilities of each type of user.

The *User's Guide* consists of this introduction and the following sections:

- Chapter 2—Regulatory Program Database Record Development Process and System Description—describes the system design concept and primary functions
- Chapter 3—Regulatory Program Database Design—provides a general description of the RPD
- Chapter 4—Guidelines for User Access to the Regulatory Program Database—provides information about minimum requirements for workstations accessing the RPD, and information to help users (i) logon to the system, (ii) change their passwords, (iii) copy RPD records, (iv) edit RPD records using WordPerfect, and (v) select and print reports using report menus and prescribed formats

- Chapter 5—Guidelines for Operator Access to the Regulatory Program Database—provides information to help an operator select and view RPD records or do a word search across the entire database and then select and view any of the RPD records found in the search
- Chapter 6—Guidelines for Manager Access to the Regulatory Program Database—provides information to help a manager : (i) run reports, and (ii) select and view RPD records or do word searches across the entire database, including archived records, and then select and view any of the RPD records found in the search
- Chapter 7—Guidelines for Database Custodian Access to the Regulatory Program Database—provides guidance to the database custodian for defining and checking in RPD records and for retiring obsolete records
- Chapter 8—Guidelines for Database Administrator Access to the Regulatory Program Database—provides guidance to the database administrator for adding and maintaining user permissions, preferences, and authorities
- Chapter 9—References.

1.3 BACKGROUND

The RPD was conceived as an integral part of the NRC Division of Waste Management (DWM) HLW regulatory program and the division's associated regulatory program record development. Regulatory program record development is a continuous and iterative activity designed to optimize DWM efficiency, thoroughness, and effectiveness in carrying out its responsibilities under the Nuclear Waste Policy Act. Regulatory program record development includes the following activities, among others:

- Examining 10 CFR Part 60 for the purpose of identifying regulatory and institutional uncertainties, which, if unresolved, could complicate the process of determining compliance
- Developing a regulatory structure based upon 10 CFR Part 60 that can be used as a foundation for: (i) providing guidance to the U.S. Department of Energy (DOE) on the format and content of the license application, (ii) preparing compliance determination strategies (CDS) for evaluating compliance with the regulatory structure and identifying key technical uncertainties (KTUs) and programs to address them, (iii) developing guidance on compliance determination for use by the NRC staff in license application review, and (iv) conducting prelicense application reviews and interactions

The CNWRA was initially tasked to support the NRC HLW regulatory program with the Program Architecture Support System/Program Architecture Database (PASS/PADB). The history of PASS/PADB was one of a dynamic system meeting evolving programmatic requirements and conceptual models (DeWispelare et al., 1992). PASS/PADB was initially implemented in 1988 on a mainframe computer at Southwest Research Institute (SwRI), with data reflecting the concepts of the underlying steps 1 to 22 of the Program Architecture Process. Versions 1.0 and 2.0 of the system contained regulatory requirements, regulatory elements of proof, and regulatory and institutional uncertainty records, which were all derived through Systematic Regulatory Analysis (SRA) of 10 CFR Part 60. Version 1.0 of PASS/PADB supported the definition of the initial regulatory requirements and analysis of regulatory and institutional uncertainties, as well as major issues relating to them. Version 2.0 of PASS/PADB was

designed and implemented in 1990 to reflect changes in the requirements and data relationships. Since that time, a number of fundamental changes have occurred in the data requirements and data structures that have necessitated further review and evolution of the system. Consequently, Version 2.0 of PASS/PADB became outdated. To reflect the evolving nature of the content and purpose of the database, the NRC has changed the name from PASS/PADB to RPD. This *User's Guide* documents the implementation of RPD Version 1.1.

RPD Version 1.1 development responds to the requirements set forth in the associated development plan (DeWispelare et al., 1993). The current implementation of RPD Version 1.1 permits storage and maintenance of RPD records and affords great flexibility in the retrieval of RPD information in response to queries and reporting requirements. The design calls for integration of commercially available full-text retrieval software products with Structured Query Language (SQL) compliant database capabilities on an upgraded Local Area Network (LAN)/Wide Area Network (WAN) to provide enhanced functionality and improved retrieval performance. RPD Version 1.1 complies with industry software standards, assuring technical compatibility with other NRC/CNWRA computer systems and the ability to make modifications economically as future requirements emerge.

2 REGULATORY PROGRAM DATABASE RECORD DEVELOPMENT PROCESS AND SYSTEM DESCRIPTION

2.1 REGULATORY PROGRAM RECORD DEVELOPMENT PROCESS

Regulatory program records are identified and developed as part of the NRC's precicensing activities. The currently defined types of regulatory program records are CDSs and Compliance Determination Methods (CDMs). Additional types of regulatory program records are expected to be developed.

CDSs are used to define the NRC's general approach or overall plan for determination of compliance with the regulatory requirements associated with a regulatory requirement topic. Each CDS establishes the scope and depth of the NRC compliance determination review. As appropriate, the CDSs include the definitions of KTUs. These KTUs are those technical uncertainties that pose a high risk of noncompliance with a performance objective from 10 CFR Part 60.

CDMs provide the specific review procedure to be used by the NRC in determining compliance with the regulatory requirements associated with a regulatory requirement topic. Each CDM establishes the review procedures, acceptance criteria, review responsibilities, interfaces, example findings, and supporting rationales associated with the regulatory requirement topic.

2.2 SYSTEM CONCEPT AND DESIGN APPROACH

The RPD is designed to facilitate the NRC's HLW licensing activities by maintaining a repository of regulatory program records. An automated process allows the RPD database custodian to enter records into the system, edit existing records, search for and retrieve specific records, and generate required reports. With these capabilities, the RPD makes information available to the NRC and CNWRA staffs concerning the records, and provides various summary and status reports on demand. In addition, all versions of the records are archived for historical purposes. (For a further discussion of the structure of the RPD, see Chapter 3.)

Individuals who do not have data input privileges may interact with the system (in a read-only mode) to generate reports, conduct searches, or support regulatory or technical analyses. Individuals may copy, modify, and store information from the RPD on their own computers, but the approved versions in the RPD may not be altered without NRC/CNWRA management concurrence.

Only specifically identified personnel have a User-ID that permits them to effect changes to the database (e.g., updating, revising, inputting, etc.). The CNWRA RPD database administrator will issue User-IDs and permissions with NRC concurrence, as necessary.

The menu screens that are presented to the user clearly specify the various options available and assist the user in invoking the desired option. All screens have context-sensitive help text available that provides detailed instruction.

Standard reports are selected from a menu. The system performs the necessary searches and sorts and generates the standardized reports automatically.

RPD provides for input of data (adding, changing, and archiving regulatory program records), as well as document search, retrieval, and reporting on all types of workstations routinely used by NRC and CNWRA staffs.

2.3 SYSTEM CAPABILITIES

RPD has input, update, archive, and output capabilities. Access to the input and update capabilities is strictly controlled in order to maintain the integrity of the regulatory program records. These functions are available only to the database custodian and database administrator, and they are discussed more fully in Chapters 7 and 8 of the *User's Guide*. The output capabilities are available to all users. The capability to search for and display RPD records, as well as the capability to incorporate RPD records in other work products using WordPerfect software, are available to advanced users. User access and capabilities may be expanded at your request after necessary training has been provided. Some standard reporting functions are generally available to all users, while other functions are restricted to managers, database custodians, and database administrators. However, the system adapts menus so that you will only be presented with functions and reports you are authorized to access. The use of the RPD search, retrieval, and output facilities is further discussed in Chapter 5.

2.4 REGULATORY PROGRAM DATABASE DESIGN

The overall functionality of the RPD is intended to provide a mechanism for the entry, storage, update, and retrieval of information, called "units of storage," contained in RPD records. The units of storage are maintained in a relational database using the ORACLE relational database management system. Input documents are submitted to the system as WordPerfect files, and are parsed into units of storage that are maintained as discrete pieces of text in the relational database. Complete copies of the input documents are also maintained in their original WordPerfect form.

RPD consists of four synchronized repositories of information which support distinct needs:

- **Relational Database**—Relational database tables are maintained that contain entries for each RPD record. The purpose of these relational tables is to provide positive configuration control of the content of the database and to support search and selection of RPD records.
- **Parsed-Text Repository**—Small increments of text known as units of storage are identified, parsed from the input documents, and stored in a parsed-text repository within the relational database. These units of storage permit the report writer to extract and assemble reports with widely varying formats and content.
- **Full-Text Repository**—As each RPD record is loaded, the full text of the document and selected header fields (such as individual review plan number, title, version number, etc.) are loaded into a full-text repository for use by specialized text search software in American Standard Code for Information Interchange (ASCII) format. This repository supports rapid search and retrieval of information through full-text (without the requirement for keywording) search and/or through search of specified header fields.
- **WordPerfect Repository**—The WordPerfect repository is used to store an original copy of the text of regulatory program records in WordPerfect format. The WordPerfect copies of the

records also permit you to access and copy the records in machine-readable form into your own files.

Synchronization and access to these parallel repositories of information are accomplished automatically by the RPD. The user interface permits you to freely access information from the RPD. It also permits the custodians and database administrators to add or change information. However, in normal operations you do not need to be aware of the interactions of the synchronized RPD repositories. Therefore, this information on the structure and content of the RPD is only included to provide a conceptual framework.

The details of the design of the RPD are discussed further in Chapter 3.

2.5 PRIMARY FUNCTIONS

This section discusses the functions available to users of the RPD.

2.5.1 Viewing and Printing Reports

The RPD includes two distinct, but related facilities for displaying and printing reports.

- **Database Content Reports**—Some descriptive information in the RPD, such as the version number, date of last maintenance, etc., is related to the status and control of records in the database. This information is accessed by specific report programs, known as database content reports, that extract the status and control information from the relational database and present it in specified formats.
- **Database Reports**—The primary textual information in the RPD is stored in the parsed-text repository as units of storage. These units of storage may be extracted, combined, ordered, and formatted to produce a very wide range of reports using the generalized report writer capability. The resulting reports are known as database reports. The KTU report is an example of a database report.

The generalized report writer is a very powerful capability of the RPD, because it permits new reporting requirements to be accommodated without having to create individualized report programs. When a new reporting requirement arises, the requestor communicates the information needs to the database administrator who prepares specifications for the new report. The report specifications define what information is retrieved from the parsed-text repository and how that information is formatted. These specifications are used by the report writer program.

The RPD includes a report menu that indicates which of the reports discussed above the user is able to display and print based on the User-ID and permissions.

2.5.1.1 Database Content Reports

When a database content report is selected from the report menu, the system retrieves the information, formats it, and displays the report on the screen. These reports may also be printed. A printed copy of the report is obtained by selecting the *Print* option at the bottom of the report screen. The following standard formatted database content reports are currently available from the *Report* menu:

- **RPD Status Report**—The RPD Status Report contains the individual review plan number, title, type of document, version, and status for all active records in the RPD, as well as those records that have been defined but not loaded. This report is available to all users (see example in Appendix A).
- **RPD Content Report**—The RPD Content Report contains the individual review plan number, title, type of document, version, and status for all records in the RPD, including vacant records (those that have been defined, but not loaded), active records (records that contain current information), archived records (those that have been superseded by more recent versions), and retired records (those that have been deleted from the active database). This report is available only to managers, custodians, and database administrators (see example in Appendix A).

2.5.1.2 Database Reports

When a database report is selected from the menu, the system retrieves the information, formats it as a WordPerfect document, and presents it using the WordPerfect software. This permits document viewing, printing, and editing, as well as the ability to save it and/or incorporate it into other WordPerfect documents. The database reports are generated by the report writer facility and currently include the following.

- **Key Technical Uncertainty Report**—A listing of KTU topics and descriptions. This report is available to all users.
- **Key Technical Uncertainty Topic Report**—A listing of the topics of all KTUs. This report is available to all users.
- **License Application Review Plan (LARP)**— A compilation of review strategy and review procedure information extracted from CDS and CDM records. This report is available only to managers, custodians, and database administrators.

The number of database and database content reports is expected to increase as need for new reports is defined. One time, or single use reports may be produced as needed by contacting the database administrator.

2.5.2 Search and Retrieval

There are two ways to search and retrieve data records using the RPD. Individual words or phrases may be entered into the full-text search interface to locate regulatory program records that contain those words or phrases. Alternatively, keywords may be entered to search for occurrences of those words in specific fields, such as the title. After a record is selected, it may be displayed, printed, or saved at your workstation.

2.5.3 Displaying Data

After being selected, a record can be displayed on the screen and can be scrolled through to permit viewing of the entire record. The record may then be either printed or saved as a WordPerfect file at your workstation.

2.5.4 Incorporating Regulatory Program Database Information in WordPerfect Documents

After locating a record or information in the RPD, the displayed data can be saved to a file or incorporated into a WordPerfect document. This facility is implemented by allowing you to start (launch) WordPerfect directly from a document display under the full-text search and retrieval facilities without exiting RPD. The file is copied into a WordPerfect working document where it may be altered and/or saved. However, the WordPerfect document must be saved on a diskette or local hard disk, because the RPD records in the database cannot be updated in this manner. The specific process for launching WordPerfect from a document display is further described in Section 5.4.8.

2.5.5 Copying Regulatory Program Database Information

Records in the RPD may be accessed by all users of the system and copied to local hard disks or diskettes at their workstations. This facility permits you to obtain an up-to-date copy of desired RPD records in WordPerfect format. The RPD data copy facility is further described in Section 4.10.1.

2.5.6 Editing Regulatory Program Database Information Using WordPerfect Software

All users of the system can directly access and edit copies of RPD records using WordPerfect software. This facility permits you to select an RPD record and immediately edit it and/or incorporate it in other work products using WordPerfect. However, the resulting edited RPD records may only be saved to your workstation's local hard drive or to diskettes. They may not be stored in the RPD. The facility for editing an RPD record using WordPerfect is further described in Section 4.10.2.

3 REGULATORY PROGRAM DATABASE DESIGN

3.1 STRUCTURE OF THE REGULATORY PROGRAM DATABASE

As discussed in Chapter 2, the RPD consists of four synchronized repositories of information that support distinct needs. Control of and access to these parallel repositories of information is accomplished automatically by the RPD. The following sections provide a general description of the four synchronized RPD data repositories.

3.1.1 Regulatory Program Database—Relational Database

Relational database tables are maintained that contain entries for each RPD record in ASCII format, which is the standard coding format for exchanging data. The purpose of these relational tables is to monitor the content of the database and support search, and selection of RPD records. The RPD relational database contains the following data items:

- **Title**—A brief description of the record, used for display and selection lists. The title is entered when the record is first defined to the system through entry of the initial header information. For data entered into the system to date, the title matches that of the associated review plan in the LARP.
- **Review Plan Number**—The identifier of the individual review plan associated with the record in the LARP. The review plan number is entered when the record is first defined to the system through entry of the initial header information.
- **Type of Document**—A code used to distinguish various types of documents such as CDSs, CDMs, etc. The type-of-document code is entered when the record is first defined to the system through entry of the initial header information.

The following entries are currently defined for the type-of-document code:

- CDS is the Compliance Determination Strategy record
 - CDM is the Compliance Determination Method record
 - RPS is the Review Plan Section record
- **Status**—A code maintained internally by the system that contains a description of the current status of the record. The following entries are valid for the status code:
 - **Active**—Signifies that the record is currently active and contains data.
 - **Archived**—Signifies that the record is a previous version that has been superseded by a more current copy of the record. Archived records are maintained for historical purposes, and they are available only to managers, database custodians, and database administrators.

- Retired—Signifies that the record is obsolete and has been archived and removed from the active database. Retired records are maintained in the historical archive, but they have been deleted from the active database and no longer represent a valid RPD record.
- Vacant—Signifies that the record is defined but has not been activated and contains no data.
- Version Number—A numerical code that indicates the current version of the record. Changes to regulatory program records are classified as “major” or “minor,” depending on whether there is a change in the technical content or simply an editorial modification of the document. Such determinations are made in accordance with TOP-001-015 [RPD Loading Control, Version Control, and Change Control (Center for Nuclear Waste Regulatory Analyses, 1993)]. The version number field contains an integer portion and a decimal portion (e.g., 3.2). The digits to the left of the decimal point indicate the major change level. The digits to the right of the decimal point indicate the number of minor changes since the last major change. Each major change causes the major change portion of the version number to be incremented and the minor change portion to be set to zero. Minor changes cause the minor change portion of the version number to be incremented. Thus, a record having two minor changes to its third major change will be version 3.2.
- Maintenance Date—The date and time of the most recent change to the record. This field is automatically maintained by the system.

3.1.2 Regulatory Program Database—Parsed-Text Repository

The RPD parsed-text repository contains small increments of text known as units of storage, along with identifying parameters and data fields. Units of storage correspond to the major components of RPD input records. For example, the review plan number, title, citations, type of review, rationale for type of review, review strategy, rationale for review strategy, and references are among the units of storage associated with CDS records.

Units of storage are identified, parsed from the input documents, converted to Standard Generalized Markup Language (SGML) format and stored in a parsed-text repository within the relational database. The units of storage extracted in this manner are stored in a way that facilitates subsequent retrieval and preparation of a wide variety of reports and information products. Units of storage are selected from the parsed-text repository, combined, and formatted by the generalized report writer to meet both routine and unique output requirements.

3.1.3 Regulatory Program Database—Full-Text Repository

The full-text repository contains a copy of the RPD record in ASCII format along with several header fields. As each RPD record is loaded, the text, along with selected header fields (e.g., individual review plan number, title, version number, etc.) is loaded into this repository. The full-text repository supports search and retrieval of information through full-text (without keywording) search and/or through search of specified header fields. Records may be retrieved: (i) by searching for specific words and/or phrases in the text of the record, or (ii) by searching for specific words or phrases in the header fields, such as title, that are associated with the record. This permits the formulation and execution of very specific document searches by specifying the words and/or phrases in the header fields.

Full-text retrieval of records is very fast and permits records to be found when only limited information is known about them.

Selected data for each record are also maintained as searchable header fields. The following header fields are maintained in the RPD full-text repository:

- **Title**—A brief description of the record. For data entered to date, the title matches that of the associated review plan in the LARP.
- **Review Plan Number**—The identifier of the individual review plan associated with the record in the LARP.
- **Type of Document**—A code is used to distinguish various types of documents, such as CDSs, CDMs, etc.
- **Status**—A code indicating the current status of the record (e.g., vacant, active, archived, retired, etc.).
- **Version Number**—The current version and revision level of the record.
- **Maintenance Date**—The date and time of the most recent change to the record.

3.1.4 Regulatory Program Database—WordPerfect Repository

The WordPerfect repository is used to store original WordPerfect copies of the text of regulatory program records. These WordPerfect copies of the records permit you to access and store the records at your workstation. This WordPerfect repository is also used to support copy and edit requests in which you wish to access the WordPerfect representations of the input documents.

3.2 REGULATORY PROGRAM DATABASE STRUCTURE AND PROCESSES

The four synchronized RPD data repositories described above support diverse functionality in the RPD, but all of the information contained in them comes from a common source. Input RPD records are submitted as WordPerfect files that are automatically formatted and stored by the RPD input processes. The relationships between the four synchronized RPD data repositories and the output processes that they support are illustrated in Figure 3-1.

In order to support the requirements of the generalized report writer, the information in the input records is converted from WordPerfect to SGML format, parsed into units of storage, and stored in the parsed-text repository. The report writer accesses these units of storage, organizes them into appropriate reporting formats, converts them from SGML to WordPerfect format, and presents them for viewing and printing using WordPerfect software.

The TOPIC full-text repository stores the input documents and their associated header fields as ASCII text. Therefore, the RPD input processes automatically convert the WordPerfect input records to ASCII, parse the appropriate header information from them, and store the ASCII records in the full-text repository.

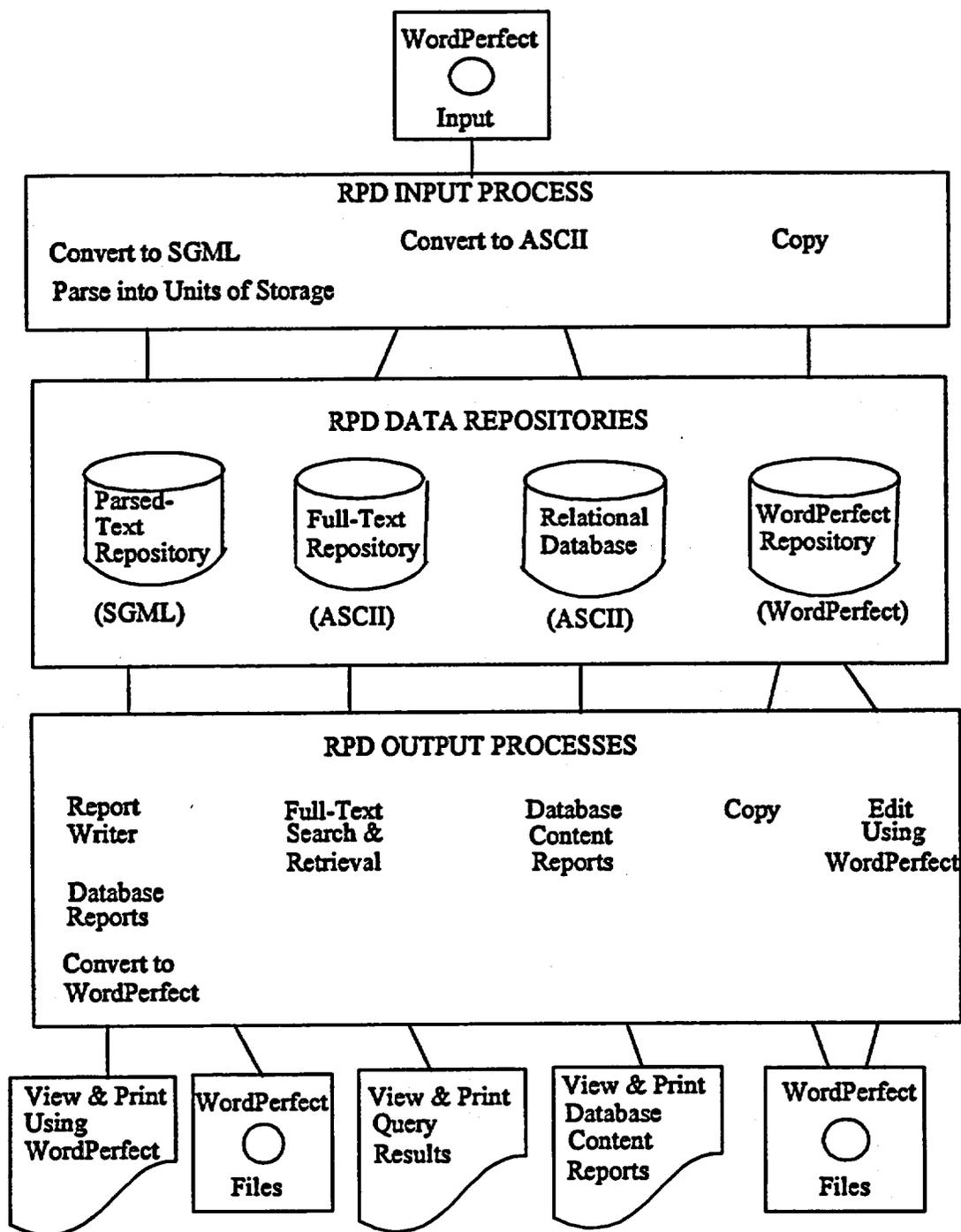


Figure 3-1. Regulatory Program Database structure and processes

The relational database also utilizes ASCII text. The header fields and other configuration control information are extracted from the input records by the RPD input processes and stored in the relational database.

Some functions of the RPD require editing or copying of the original WordPerfect input records. Therefore, the RPD input processes store a copy of the original WordPerfect input file to support these functions.

3.3 USE OF STANDARD GENERALIZED MARKUP LANGUAGE

In order to preserve the internal formatting and emphasis characteristics of the input documents, such as bold, italics, superscripts, subscripts, underlining, etc., the capabilities of SGML have been utilized.

3.3.1 Standard Generalized Markup Language Data Representation and Tagging

SGML is an international text representation standard that allows storage and manipulation of the text of regulatory program records, along with their internal formatting and styling information. This is necessary to allow the generalized report writer to produce reports with unique content, format, and style. In keeping with the defined requirement to adhere to industry standards in the implementation of the RPD (DeWispelare, et al., 1993), SGML was approved for use by the NRC (Nuclear Regulatory Commission, 1994).

The SGML standard defines a method of descriptive tagging of discrete blocks of ASCII text to identify the types of information that they contain. Each SGML entity (unit of storage), is identified by a clearly recognizable tag that defines its general content (e.g., title, review plan number, etc.). General formatting information is also represented indirectly by associating each unit of storage with formatting rules and attributes. Some types of internal formatting such as bolding, italics, superscripts, subscripts, etc., convey emphasis and meaning. These internal formatting characteristics are also preserved by SGML. Therefore, SGML utilizes additional tags to represent and store such formatting characteristics. This tagging process is accomplished automatically in the RPD.

3.3.2 Standard Generalized Markup Language Data Type Definitions

SGML requires each type of document to be associated with specifications that define the structure and permitted data elements for the document. These specifications are called Data Type Definitions (DTDs). Within the RPD, DTDs perform two important functions:

- They permit the RPD to automatically validate the structure and format of input and output documents
- They provide a mechanism for defining output formats to be used by the report writer

SGML supports the development and use of DTDs to define the permissible content and structure of documents. Essentially, the DTD identifies the SGML entities (units of storage) that are permitted in a document and specifies their order and hierarchy. The RPD report writer utilizes the

structure of SGML DTDs to define display and reporting formats by associating information in the SGML DTD with appropriate database retrieval queries and formatting information. The database administrator produces the DTDs for documents. When the RPD report writer is used to invoke a display or printing format, the DTD is automatically retrieved and associated with the proper queries and formatting information to extract the required units of storage from the parsed-text repository, arrange them, and present the desired information in an appropriate report format.

3.4 MANAGEMENT OF REGULATORY PROGRAM DATABASE INPUT INFORMATION

RPD input records are submitted to the system in WordPerfect format. During the input process, it is necessary to identify units of storage within the input document in a manner that facilitates automated parsing, manipulation, and storage of them. Once the units of storage are identified, the WordPerfect input document is converted to SGML format so that it can be stored in the parsed-text repository of the RPD. This is all done automatically by the RPD.

3.4.1 Parsing of Regulatory Program Database Information into Units of Storage

This automated process uses WordPerfect macros to process the input file and manage style codes. The macros for managing style codes are a form of search and replace that identifies character strings in headings of the documents. When a specified heading is encountered, it is replaced by the appropriate style code. Once tagged with the appropriate style codes, the input document is processed to convert it into SGML format. In this process, the WordPerfect style codes are transformed into appropriate SGML tags that match those required by the standard DTD for the particular document type, preserving them for automatic use when required to generate output documents.

3.4.2 Data Conversion from WordPerfect to Standard Generalized Markup Language Format

Once the input document has been tagged with appropriate WordPerfect style codes to positively identify units of storage, it is processed by a conversion program, the WordPerfect Intellitag product, to convert the data from WordPerfect to SGML format. To accomplish this conversion, Intellitag requires a valid SGML DTD for the document and a set of conversion rules that define how to translate the WordPerfect style and control codes to the corresponding SGML tags. The information required by Intellitag is specific to each document type. Therefore, SGML DTDs and Intellitag rule files for each document type are developed and stored under configuration control such that they can be readily accessed and maintained. This activity is performed by the database administrator.

3.5 SELECTION AND ASSEMBLY OF OUTPUT DOCUMENTS THROUGH THE REPORT WRITER

The functioning of the generalized report writer is based on SGML DTDs which are constructed from report specifications by the database administrator. Each report specification includes data selection criteria in the form of database queries associated with the DTDs. The report writer interprets the DTD for the specified report, executes relational database queries (using SQL commands) to retrieve the appropriate units of storage from the parsed-text repository, and arranges the selected units of storage in an

appropriate report format. These queries are produced by the database administrator in response to a report requirement from a user. The result of this process is a valid SGML document that contains the information required to produce the report.

3.6 CONVERSION FROM STANDARD GENERALIZED MARKUP LANGUAGE TO WORDPERFECT FORMAT

The generalized report writer produces output in SGML format. In the current implementation of the RPD, WordPerfect is used as the method for viewing and/or printing the report. Therefore, the SGML formatted output produced by the report writer is automatically converted to WordPerfect format so that it may be viewed, printed, or stored on a diskette or on your workstation's hard disk.

4 GUIDELINES FOR USER ACCESS TO THE REGULATORY PROGRAM DATABASE

The previous chapters provided a general introduction to the RPD and its primary functions. This chapter will introduce you to the basic information needed to use the RPD. More specific and advanced information and features are presented in later chapters of the *User's Guide*.

The RPD has been designed to support users with all levels of computer experience. Mistakes made at the workstation will not damage the RPD or introduce errors into the data in the RPD. Additionally, access to the RPD is restricted to NRC and CNWRA staff members with appropriate User-IDs, since the database contains predecisional information. Help is available from the system menus or from the CNWRA help desk at (210) 522-5258.

4.1 Typographic Conventions

Throughout the *User's Guide*, the following typographic conventions are used:

- Screen menu names, menu items, and push-button names appear in italics with initial caps or as they appear on the screen

Example: Select *RPD* from the menu bar of the *RPD Main Menu*

- User input and system prompts appear in bold Courier typeface

Example: Type: **C:\rpd start_rpd**

- Keystroke input from the keyboard appears as initial caps inside square brackets

Example: Press [F1], then [Return]

- Keystroke input from the keyboard using combinations of keys (e.g. hold down the Ctrl key and press w) appears as initial caps inside square brackets

Example: Press [Ctrl-w]

4.2 Definitions

The following are some basic definitions for use with graphical user interfaces (GUIs). Further information about the standard GUIs for MOTIF and OS/2 may be found in the *OSF/MOTIF Style Guide* (Open Software Foundation, Inc., 1993) and the *IBM Common User Access Guidelines* (IBM Corporation, 1992).

Accelerator keys

An alternate method of selecting menu items that is similar to mnemonics. However, unlike mnemonics, the accelerator keys may be used even when the pull-down menu is not displayed. For example, the accelerator key, [Ctrl-w] or [^w] (hold down the Ctrl key and press the "w" key) may be used from any main

menu to start the facility to edit an RPD record using WordPerfect. The appropriate accelerator keys are displayed at the right of each menu entry.

Click

Objects in GUI applications are normally selected by using the mouse to position the cursor over the object and then pressing one of the mouse buttons. When the mouse button is depressed, it makes a clicking sound. Thus, selection process is often described as "clicking" on the object.

Drag

Many objects in a GUI presentation may be moved around on the screen. This is done by positioning the cursor over the desired object, depressing and holding the mouse button, moving the cursor to the new location, and releasing the mouse button. As the cursor is moved with the mouse button depressed, the selected object follows the cursor movements. Thus, the object is "dragged" to the new location.

GUI

A GUI is a presentation of information on a computer screen that takes advantage of high-resolution graphics and usually employs a mouse, menu bars and other types of menus, overlapping windows, and icons.

Mnemonics

Alphabetic characters, indicated by an underscore that may be keyed to select the desired options rather than using the mouse. For example, the option in the *Operations* pull-down menu that permits you to edit an RPD document using WordPerfect is represented by the menu entry "WordPerfect." You may select this entry with the mouse or you may key the mnemonic, "w."

Mouse

A commonly used pointing device that has one or more buttons. When the mouse is moved, the cursor moves in a corresponding manner on the screen. When one of the mouse buttons is pressed, a signal is sent to the program that results in some interaction with the system.

Mouse button

A button on a mouse that sends a signal to the system when pressed. Mouse buttons are used to select choices, initiate actions, or manipulate objects on the screen.

Select

Position the cursor on top of the item to be selected (e.g., menu name, button, icon, etc.) and press (or click) the left mouse button.

4.3 Graphical User Interface Controls and Features

Cascading menu

An area to the left or right of an entry in a pull-down menu that expands the options or functions available for that entry. Cascading menus provide a way to layer choices so that a user can have access to a wide range of functions without being confused by lengthy lists of choices. Selecting an entry in a cascading menu causes the related system function(s) to be performed.

Cursor

A visual cue that indicates where your next interaction with the computer screen will take place. Cursors are moved by the mouse or the cursor keys and provide a way for you to select and interact with things that appear on the screen.

<i>Drop-down list</i>	A variation of the list view in which only one item in the list is displayed until you take an action to display the rest of the list. Drop-down lists are used in situations where a list view is needed but would crowd the window if always present.
<i>Entry field</i>	A location in a screen where you are permitted to enter or alter textual or numeric information, such as a file name, password, or version number. Entry fields may accommodate single words or numbers, or single or multiple lines of text.
<i>Group box</i>	An area in a screen that contains related information and controls. Group boxes are usually surrounded by a labeled square or rectangular line.
<i>Help screen</i>	A screen that contains information about how to use the system, recover from problems, select available choices, etc. Help screens can be used to assist you when learning to use the system. They can also serve as a refresher when you have not accessed the system regularly or recently.
<i>Icon</i>	A small image that represents a function or data object.
<i>List view</i>	A read-only field with one or more scroll bars that contains multiple entries. The list view is used to display a fixed or variable list of values, fields, or options (e.g., the list of all CDSs). Because the display area in a list view can be scrolled, the list can contain more items than can be displayed at one time in the display area.
<i>Maximize button</i>	A control in the upper right-hand corner of the window that permits you to expand the window to its maximum size.
<i>Menu</i>	A presentation of options.
<i>Menu bar</i>	An area extending across the top of a window below the window title that lists the menu entries. Selecting these menu entries causes either the related system functions to be performed or a pull-down menu with additional entries and options to be displayed. The existence of a pull-down menu is usually indicated by a small downward-pointing arrow or triangle at the right-hand side of an entry in the menu bar.
<i>Messages</i>	Information displayed when there is a particularly important or urgent condition in the software in use. Messages often contain not only a description of a problem but also an explanation of how to correct the situation. They may also contain selections that help you decide how to continue working.
<i>Minimize button</i>	A control in the upper right corner of the window that permits you to shrink the window to an icon.
<i>Pane</i>	A defined area within a window that is used as a separately scrollable area. Windows are sometimes divided into two or more panes so that different, but related information may be displayed and scrolled independently.

<i>Pull-down menu</i>	A list of options extending below an entry in a menu bar that is displayed when a menu bar entry is selected. Pull-down menus contain choices and functions that are related to each other in some manner. Typically, they contain additional menu entries and/or options related to the "parent" entry on the menu bar. Selecting an entry in a pull-down menu causes either the related system functions to be performed or a cascading menu with additional entries and options to be displayed.
<i>Push-button</i>	A labeled, rectangular, or oval "button" that causes an action to be taken when it is selected. When a push-button is selected (e.g., by pressing the left mouse button when the cursor is over the push-button), it is shaded and appears to be depressed. The push-button remains shaded until the action is completed and then returns to a "normal," deselected appearance.
<i>Sash line</i>	A bold line separating two panes within a window.
<i>Radio buttons</i>	Two or more related button controls that permit selection of mutually exclusive options. The selected option is shaded and appears to be depressed. When a different option is selected, the radio button for that option is shaded and depressed, and the previously selected radio button returns to a "normal," deselected appearance.
<i>Scroll bar</i>	A control, usually positioned at the right-hand side or bottom of a window, that permits the contents of the window to be moved horizontally or vertically within the window.
<i>Sizing buttons</i>	Controls in the corners of the window that can be used to change the size and shape of the window.
<i>Title bar</i>	An area at the top of the window containing a brief title of the window. Pressing the left mouse button when the cursor is in the title bar and "dragging" it permits you to move the window to a new position on the screen.
<i>Window</i>	An area on the screen in which you can view data, icons, controls, etc. A window is bounded by a window border that separates the window from other windows on the screen. You can change and control the window size and its contents by using a number of controls in the window border.

4.4 Multiplatform Implementation of the Regulatory Program Database

The RPD has been implemented in a multiplatform environment allowing it to be accessed by users in diverse hardware/software environments. Therefore, while the RPD functions in the same way in all of the supported hardware/software environments, the look and feel of the system will vary slightly. Figures 4-1 and 4-2 illustrate the typical appearance of sample screens on the Sun MOTIF and OS/2 hardware/software platforms.

If you use Sun Microsystems equipment you will access the RPD through the MOTIF GUI. Figure 4-1 illustrates the appearance of a sample screen showing various screen features on MOTIF

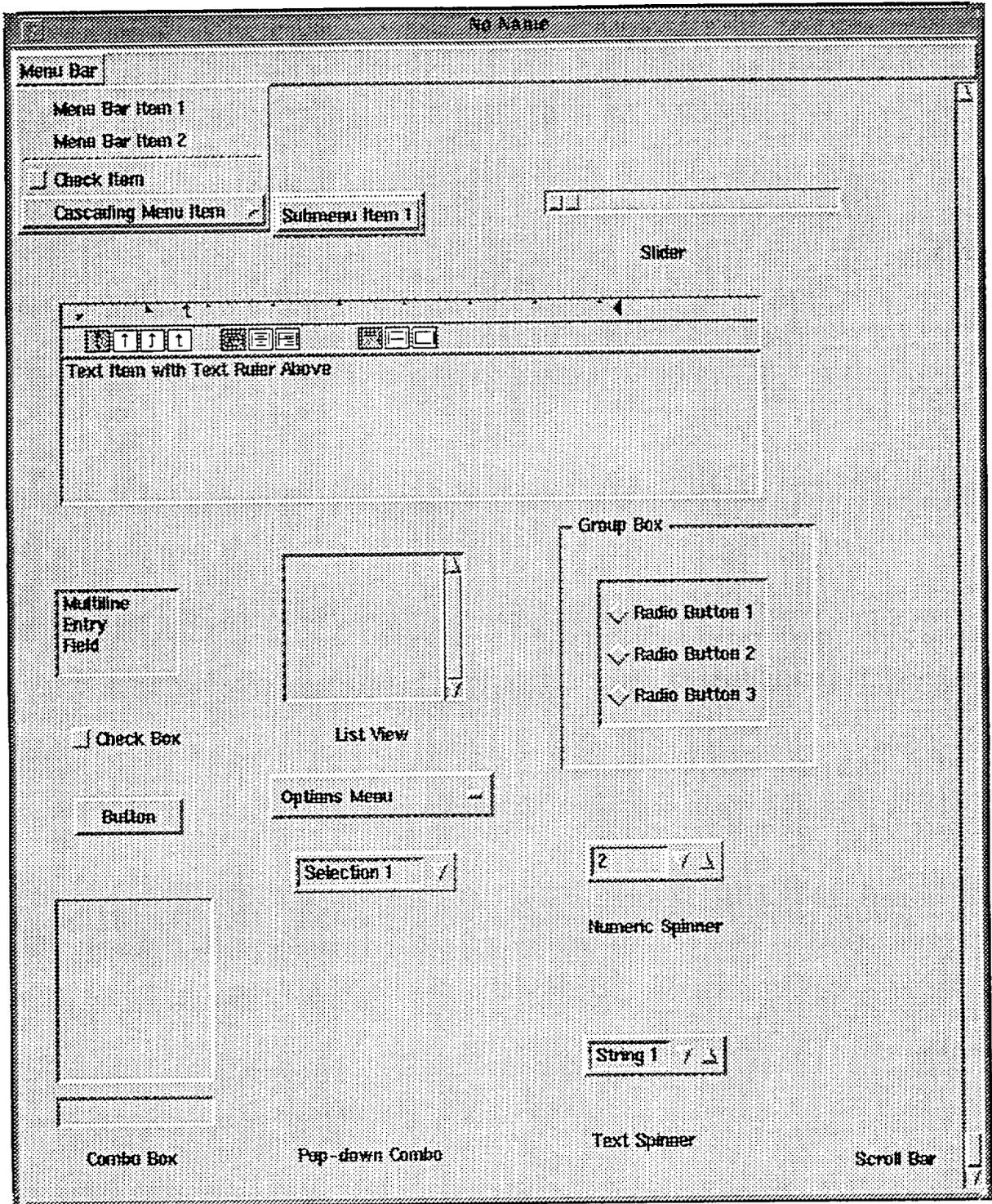


Figure 4-1. Sample screen for MOTIF platforms

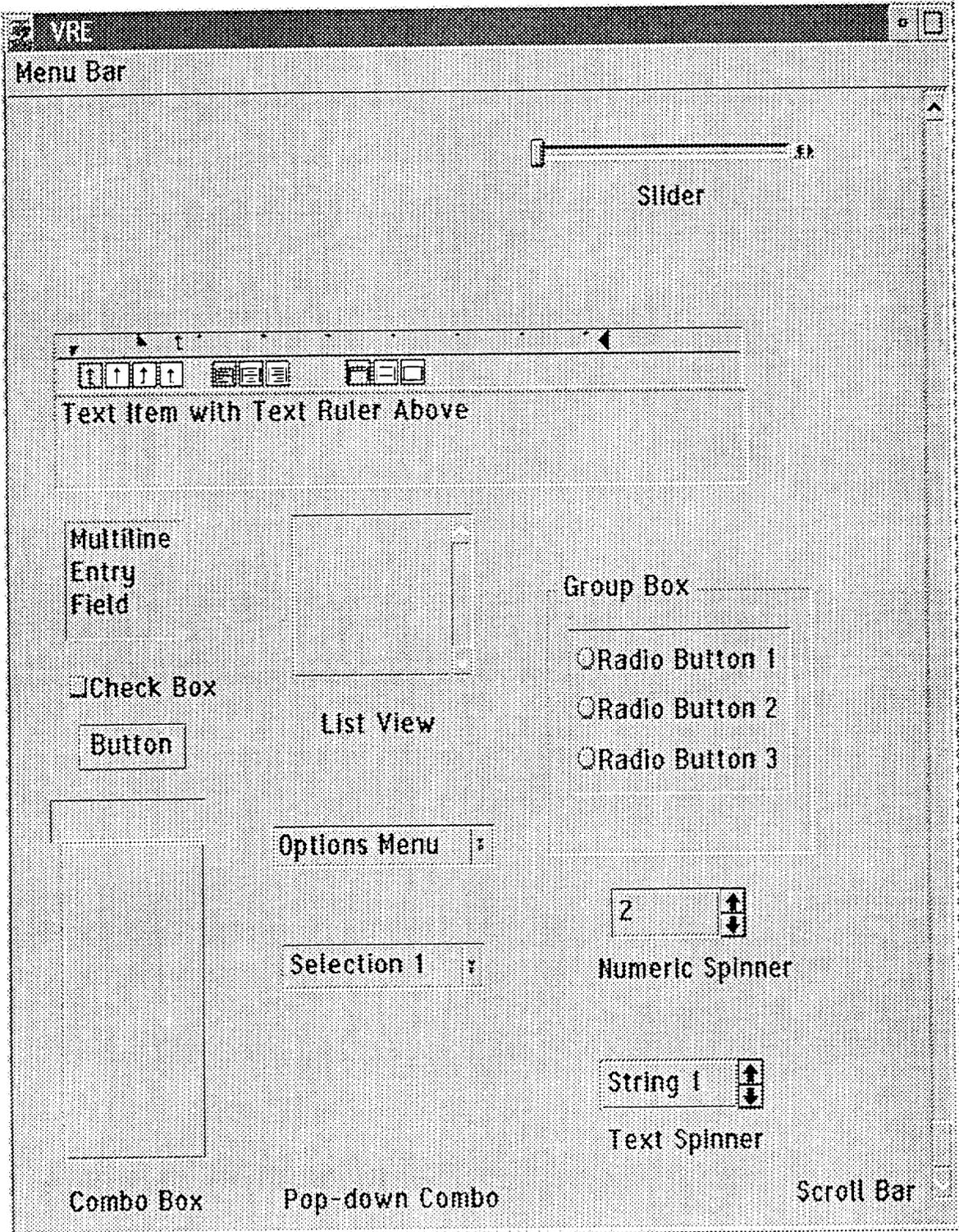


Figure 4-2. Sample screen for OS/2 platforms

platforms. If you use IBM or IBM compatible equipment you may access the RPD through OS/2. Figure 4-2 illustrates the appearance of a sample screen showing various features on OS/2 platforms

4.5 HARDWARE AND SOFTWARE CONFIGURATION

The RPD runs in any of four different hardware/software environments:

- IBM OS/2 using IBM PS/2 or compatible hardware
- Microsoft Windows using IBM PS/2 or compatible hardware
- OPENLOOK or MOTIF using Sun IPX hardware
- SYSTEM 7 using Macintosh Quadra hardware

The functionality of the RPD and the general appearance of the user interface is the same, regardless of your hardware/software environment. However, the specific details of the screens in your interface vary slightly to conform to the standard look and feel of your hardware/software environments (e.g., Figures 4-3, 4-4, 4-5, and 4-6) show examples of the MOTIF environment that has been selected for the screens presented in this *User's Guide*.

All hardware/software environments employ a mouse to permit the user to quickly select options and traverse menus. You communicate with the system by positioning the cursor, using the mouse, and pressing the left button (except when the specific hardware/software environment requires the use of the right button) to select the desired option. Most menu entries also include mnemonics and accelerator keys.

The following sections describe the minimum requirements necessary to achieve acceptable system functionality and performance for each hardware and software environment.

4.5.1 Minimum OS/2 Workstation Requirements for Using the Regulatory Program Database

- Intel 80486 CPU-based computer
- 8 MB RAM
- 10 MB free hard disk space
- IBM OS/2 Version 2.1, or later
- IBM TCP/IP Version 2.0, or later, configured for Network File Sharing (NFS)

4.5.2 Minimum Windows Workstation Requirements for Using the Regulatory Program Database

- Intel 80486 CPU-based computer
- 8 MB RAM

- 10 MB free hard disk space
- Microsoft Windows Version 3.1, or later
- NetManage Chameleon NFS

4.5.3 Minimum Sun Workstation Requirements for Using the Regulatory Program Database

- Sun 4 Architecture (IPX or faster)
- 32 MB RAM
- 10 MB free hard disk space
- Sun OS 4.1.3 or Solaris 2.3

4.5.4 Minimum Macintosh Workstation Requirements for Using the Regulatory Program Database

- Macintosh Quadra
- 8 MB RAM
- 10 MB free hard disk space
- System 7, or later

4.6 Sources of Assistance

There are a number of sources that can provide assistance to the user:

- **Help Screens**—Help that can be activated by positioning the cursor and selecting the *HELP* button or menu entry is provided for each screen display.
- **Training**—Training for all NRC and CNWRA staff will be provided. Additionally, periodic training for new staff and retraining for any other staff will be provided on request.
- **Assistance**—Telephone assistance is available by calling the CNWRA Help Desk at (210) 522-5258.

4.7 GETTING STARTED

To get started, you must have a proper workstation (as described in Sections 4.5.1 through 4.5.4), and you must execute the correct logon procedures. While using the RPD, various system status and error messages may be displayed to alert you to conditions detected by the program. Many of these messages appear in their own windows, and they must be cleared before continuing by selecting a push-button at the

bottom of the message window. The wording of the messages, what they mean, and what should be done when they appear are described in Appendix B.

The RPD is supported on the CNWRA database server at SwRI in San Antonio, Texas. The CNWRA staff in San Antonio are connected to the CWRA database server via the CNWRA LAN network at SwRI. The NRC staff and the CNWRA Washington Technical Support Office (WTSO) staff are connected to the CNWRA database server via WAN between the NRC and CNWRA.

4.7.1 Obtaining a User-ID and Password

You must have a valid User-ID and password. To obtain a User-ID, contact the CNWRA Information Management Systems (IMS) staff at (210) 522-5258. Assignment of your User-ID usually takes one or two days. You will be notified when your User-ID has been assigned so that you can begin using the RPD. Your User-ID and initial arbitrary password will be given to you by the database administrator. You should change your password the first time you use the system (see Section 4.10.3). This precaution assures that your password is meaningful and known only by you, so that your user account will be secure from unauthorized use.

4.7.2 Starting the Regulatory Program Database

The RPD is normally started by selecting it on your screen display.

1. Position your cursor on the desktop area of your screen and press the right mouse button (for MOTIF environment). A pull-down menu of functions will appear.
2. Select *RPD*. The system will start the RPD and will display the *RPD Logon* screen (Figure 4-3).

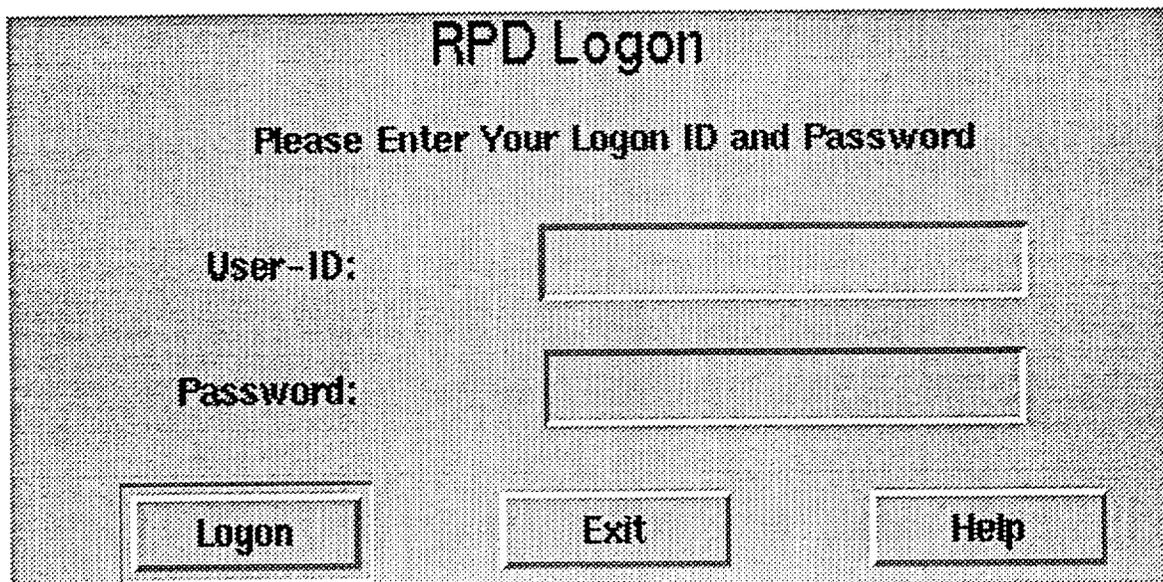


Figure 4-3. Regulatory Program Database logon screen

4.8 LOGON PROCEDURE

When you start the RPD, the first screen displayed will be the *RPD Logon* screen (Figure 4-3). This screen requires that you enter your User-ID and password so that the system can identify you and enable the appropriate access authorities and permissions. The following steps are required during the logon process:

1. When the *RPD Logon* screen appears, enter your User-ID in the *Userid* entry field and press the [Tab] key or use your mouse to select the *Password* entry field.
2. Enter your current password in the *Password* entry field, and press the [Return] or [Enter] key or select the *Logon* push-button at the bottom of the screen. Note that, for security reasons, your password will not display as you enter it.

The system will verify your User-ID and password. If they are valid, the *RPD Main Menu* screen will display (Figure 4-4), indicating that a successful logon has been completed, and you will be able to select various options, print reports, etc.

If your User-ID or your password is not valid, the system will display an error message, and request that you enter your User-ID and password again.

3. If you are not able to enter your User-ID and password correctly, you may exit from the RPD by selecting the *Exit* push-button at the bottom of the *RPD Logon* screen or by pressing the [Esc] key. For assistance with your logon, contact the database administrator at (210) 522-5258.

If you need help during the logon procedure, select the *Help* push-button at the bottom of the *RPD Logon* screen to display the help information.

4.9 REGULATORY PROGRAM DATABASE MAIN MENU

After the logon process has been completed, the *RPD Main Menu* screen (Figure 4-4) will be displayed. The menu bar in this screen contains the major functions that you are permitted to perform. Users with special permissions will have additional entries available in the menu bar (see Sections 5.1, 6.1, 7.1, and 8.1). For all users, at least the following entries will appear in the menu bar of the *RPD Main Menu*:

Operations – Change your password, copy an RPD record, use WordPerfect to edit an RPD record, or exit from the RPD

Report – Access the RPD report facilities to display and/or print standard reports

Help – Access the RPD help facilities to get more information about how to use the RPD

Functions may be selected by positioning your cursor on the menu bar of the *RPD Main Menu* and selecting the desired entry. Depending on the function selected, a pull-down menu will be displayed or the function you have selected will be automatically executed.

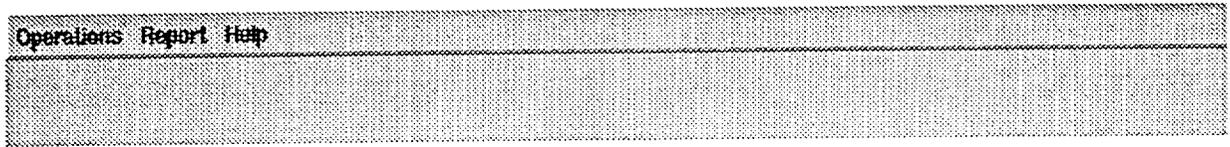


Figure 4-4. Regulatory Program Database main menu for users

Mnemonics, where applicable, are available to facilitate selection of entries from the menus. Mnemonics are alphabetic characters, indicated by an underscore, which may be keyed to select the desired options rather than using the mouse. Accelerator keys (e.g., [Ctrl-w] or [^w]) are also available, and provide an alternate method of selecting functions from the pull-down menus under the main menu entries (see Figure 4-5).

4.10 MAIN MENU – OPERATIONS ENTRY

The *Operations* main menu entry permits you to perform a number of general functions that are available to all users. Selecting *Operations* from the menu bar of the *RPD Main Menu* causes the *Operations* pull-down menu (Figure 4-5) to appear. This pull-down menu contains functions for copying an RPD record, using WordPerfect to edit an RPD record, changing your password, or exiting the RPD. More advanced users, such as the database administrator, have additional entries in the *Operations* pull-down menu to support their requirements (Section 8.3).

4.10.1 Operations – Copying a Regulatory Program Database Record

You may use the *Copy* entry in the *Operations* pull-down menu to make electronic copies of information in the database by copying the record to files on diskettes or your local hard disk. The general process for copying an RPD record is: (i) to select the record to be copied from a list of available records and (ii) to indicate the name of the destination file where the system will copy the information. If you are copying an RPD record to a new destination file, you must enter the full path and file name in the *Filename for Copy* entry field. If you are copying the RPD record to an existing destination file, you may use the *File Chooser* facility as indicated in Figures 4-6 and 4-7 to obtain the full path and file name of the existing destination file.

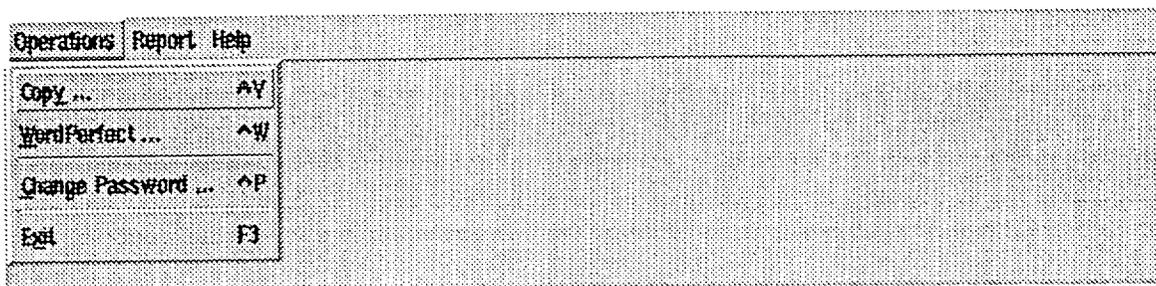


Figure 4-5. Operations pull-down menu

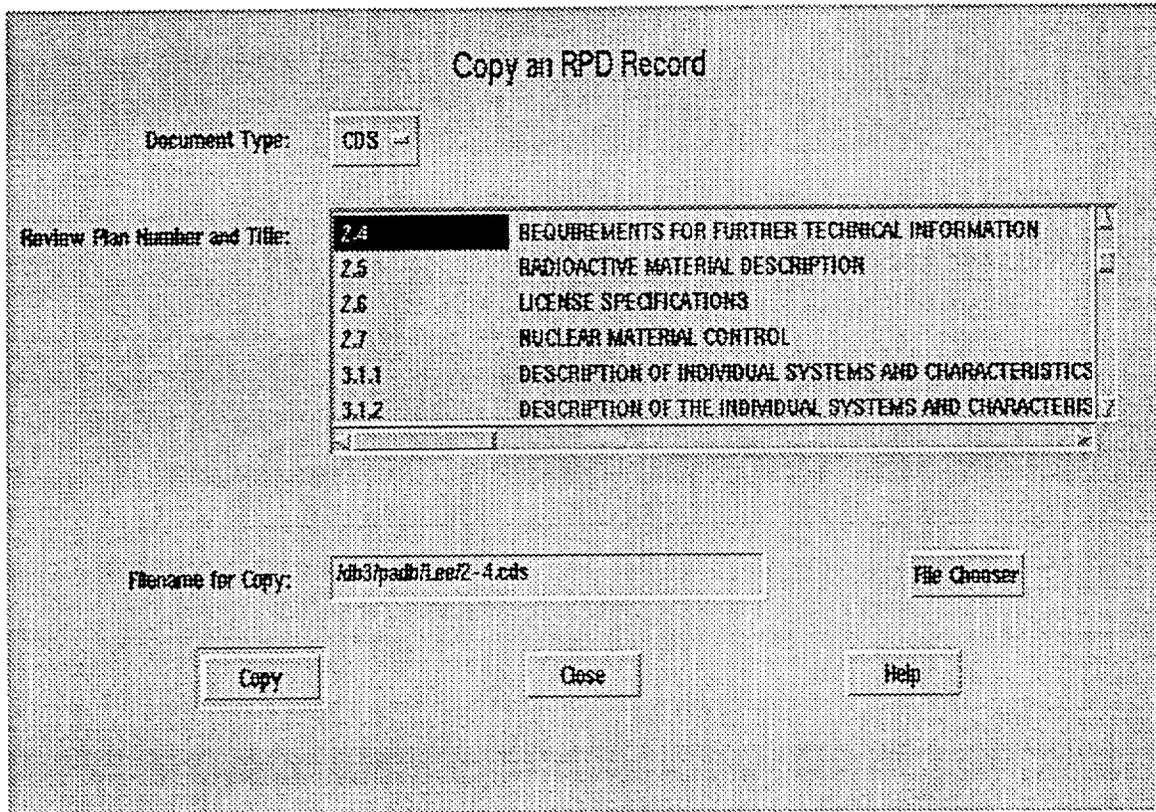


Figure 4-6. Copy an Regulatory Program Database record screen

To copy an RPD record:

1. Select *Operations* entry from the menu bar in the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu (Figure 4-5) that contains options to copy RPD records, use WordPerfect to edit RPD records, change your password, or exit RPD.
2. Select *Copy* from the *Operations* pull-down menu. Alternatively, you may type the mnemonic [y] or the accelerator key [Ctrl-y]. The *Copy an RPD Record* screen (Figure 4-6) will be displayed.
3. Select the *Document Type* pull-down list indicator to display the pull-down list of document types.
4. Select the desired document type from the *Document Type* pull-down list. All of the active review plan numbers and titles for the selected document type will appear in the *Review Plan Number and Title* list view. Note that the information in this list view may be scrolled horizontally and vertically.

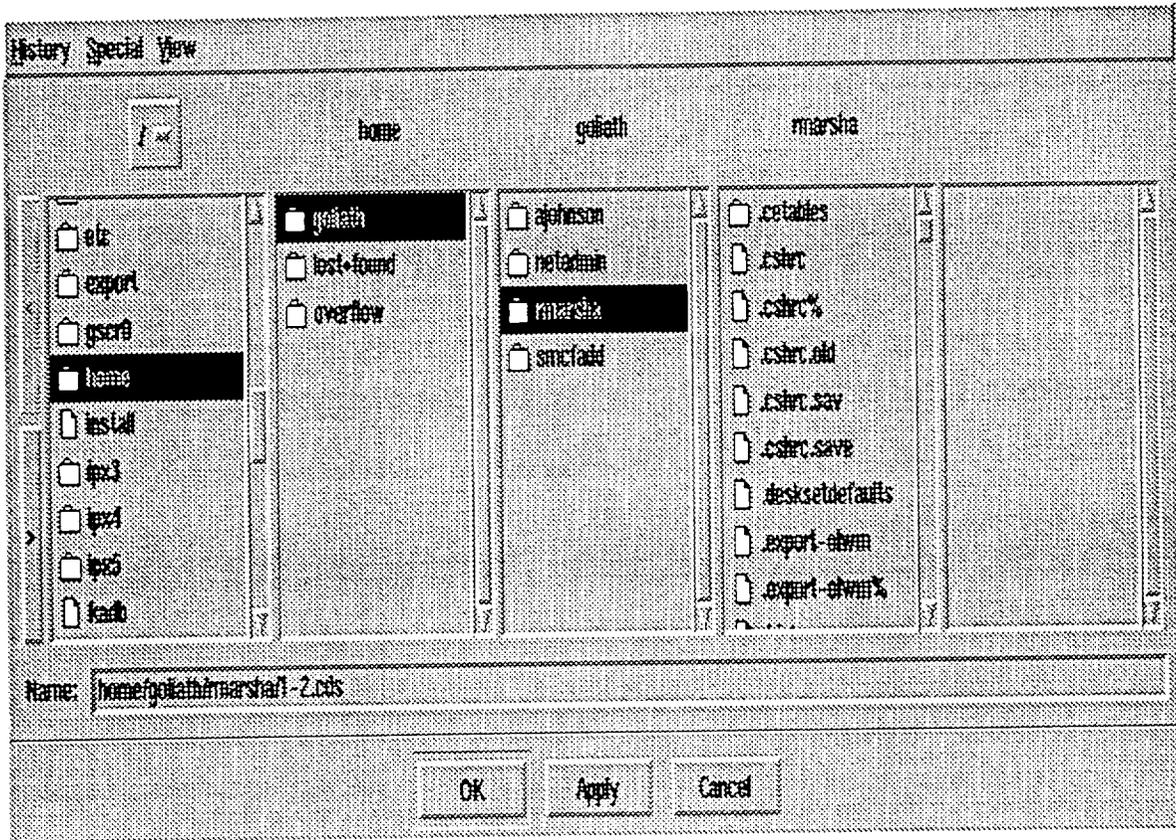


Figure 4-7. File chooser input screen

5. Position the cursor in the *Review Plan Number and Title* list view and select the line that contains the desired review plan number and title by clicking on it with the left mouse button.
6. If you are copying the RPD record to a new file, you must enter the full path and file name in the *Filename for Copy* entry field.

If you are copying the RPD record to an existing file, you may enter the full path and file name of the existing file, if known, in the *Filename for Copy* entry field. If you are not sure of the full path and file name of the existing file, you may let the RPD file management system assist you by selecting the *File Chooser* push-button next to the *Filename for Copy* entry field. This will cause a list of files in the current directory to be displayed on the *File Chooser* input screen (Figure 4-7), and you may position your cursor on the filename and select the desired file. If the desired file is in a different directory than the one being displayed by the file chooser, you may position your cursor and select a different directory. This will cause the names of the files in the new directory, to be displayed so that you can select the desired file.

When you have selected the desired file name you may click on the *Apply* push-button at the bottom of the *File Chooser* screen. This will cause the path and file name of the selected file to be copied to the *Filename for Copy* entry field in the *Copy an RPD Record* screen. When

you have finished using the *File Chooser* select the *OK* push-button at the bottom of the *File Chooser* screen to return to the previous screen. The currently selected path and file name will automatically be passed back to the previous screen.

To exit the *File Chooser* screen, select the *Cancel* push-button at the bottom of the screen. If you exit before selecting the *Apply* or *OK* push-button, any file names that you have selected will be discarded, and the original file name in the *Filename for Copy* entry field in the *Copy an RPD Record* screen will not be changed.

- 7 Visually review the record you have selected and the file name and path that you have entered, and make changes if necessary. When all of the information is correct, select the *Copy* push-button at the bottom of the *Copy an RPD Record* screen. The RPD record will be copied to the specified destination file.
- 8 To exit from the *Copy an RPD Record* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Copy* push-button, any information that you have entered will be discarded, and the record will not be copied to the destination file.
- 9 If you need help in using the *Copy an RPD Record* screen, select the *Help* push-button at the bottom of the screen to display help information.

4.10.2 Operations—Editing a Regulatory Program Database Record with WordPerfect

You may use the *WordPerfect* entry in the *Operations* pull-down menu to access copies of information in the database using WordPerfect (Figure 4-5). The general process for editing an RPD record using WordPerfect is to: (i) select the record to be edited from a list of available records, and (ii) start the WordPerfect software so that the selected record can be edited. The records edited through WordPerfect may not be stored directly in the RPD, but can be saved as files on a diskette or on your local hard disk.

To edit an RPD record using WordPerfect:

1. Select *Operations* from the menu bar of the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu (Figure 4-5) that contains options for copying RPD records, editing RPD records using WordPerfect, changing your password, or exiting the RPD.
2. Select *WordPerfect* in the *Operations* pull-down menu. Alternatively, you may type the mnemonic [w] or the accelerator key [Ctrl-w]. The *Edit an RPD Record Using WordPerfect* screen (Figure 4-8) will appear.
3. Select the *Document Type* pull-down list indicator to display the document types.
4. Select the desired document type from the *Document Type* pull-down list. All of the active review plan numbers and titles for the selected document type will appear in the *Review Plan Number and Title* list view. Note that the information in this list view may be scrolled horizontally and vertically.

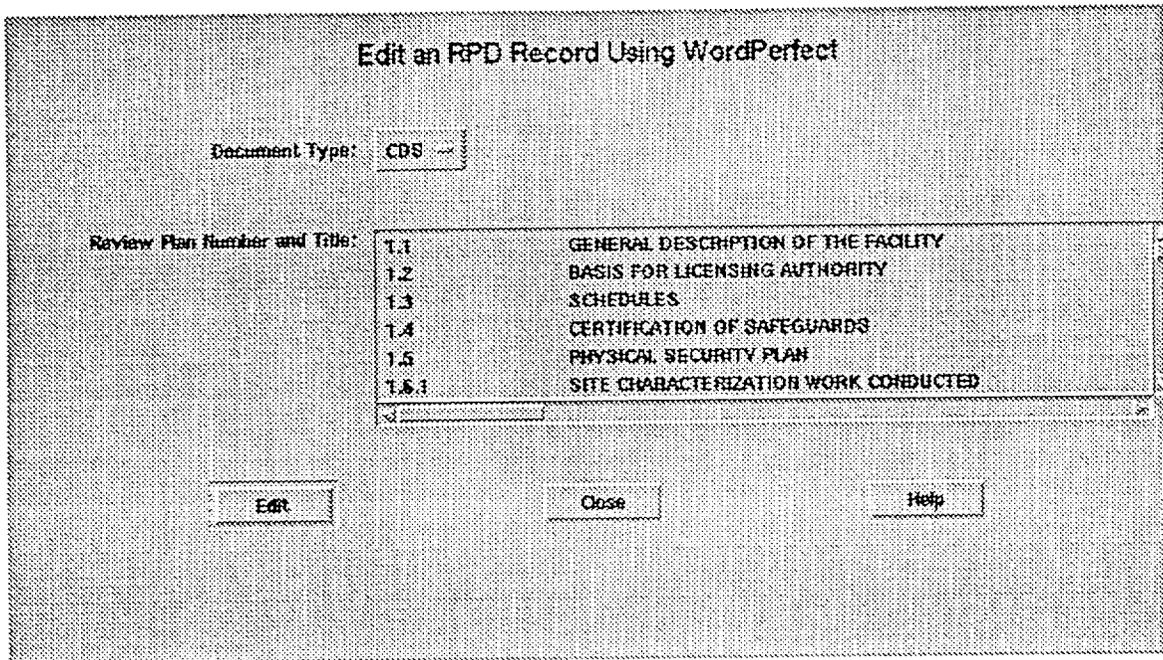


Figure 4-8. Edit a Regulatory Program Database record using WordPerfect screen

5. Position your cursor in the *Review Plan Number and Title* list view and select the line that contains the desired review plan number and title by clicking on it with the left mouse button.
6. Visually review the record you have selected, and select a different record if necessary. When your selection is correct, select the *Edit* push-button at the bottom of the *Edit an RPD Record Using WordPerfect* screen. This will cause the system to start WordPerfect using the RPD record you have selected.
7. Edit the RPD record using the WordPerfect software and then save it to a diskette or your hard disk using standard WordPerfect procedures.
8. To exit from the *Edit an RPD Record Using WordPerfect* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Edit* push-button, any information that you have entered will be discarded, and the record will not be edited using WordPerfect.
9. If you need help in using the *Edit an RPD Record Using WordPerfect* screen, select the *Help* push-button at the bottom of the screen to display help information.

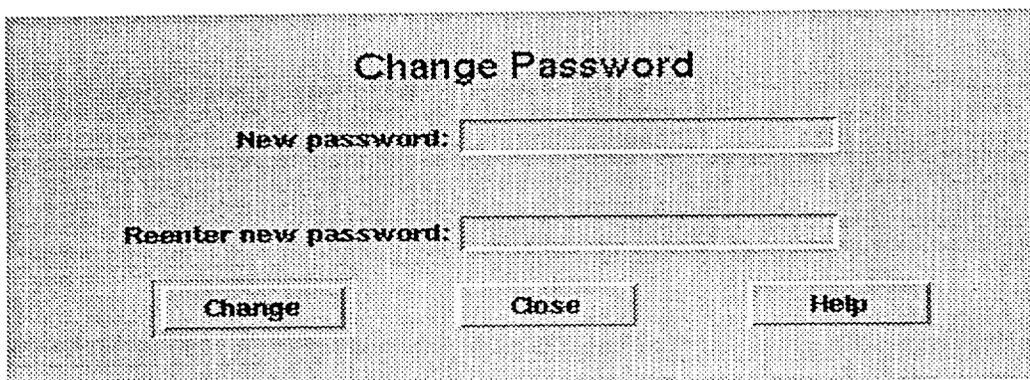
4.10.3 Operations—Changing Your Password

Before you first use the RPD, the database administrator assigns you an arbitrary password. This password should be changed the first time you use the system in order to make your User-ID secure. For continued security of your User-ID, you should change your password at least every 60 days. The system permits you to change your password at any time through the *Operations* entry in the menu bar of the *RPD Main Menu*. To change your password:

1. Select the *Operations* from the menu bar of the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu (Figure 4-5) that contains options for copying RPD records, editing RPD records using WordPerfect, changing your password, or exiting the RPD.
2. Select *Change Password* from the *Operations* pull-down menu. Alternatively, you may type the mnemonic [c] or the accelerator key [Ctrl-p]. The system will display the *Change Password* screen (Figure 4-9).
3. You may leave the *Change Password* screen before you have finished changing your password by selecting the *Close* push-button at the bottom of the *Change Password* screen. If you do this, the system will terminate the change password process and leave your old password in effect.
4. Enter your new password in the *New password* entry field and press the [Tab] key or use your mouse to select the *Reenter new password* entry field.
5. Enter your new password again in the *Reenter new password* entry field to verify that you keyed it correctly, and either press the [Return] or [Enter] key or select the *Change* push-button at the bottom of the *Change Password* screen. Note that, for security reasons, your password will not display as you enter it.

If your new password was the same both times you entered it, the system will change your current password to the new password and a **PASSWORD CHANGED** message will display. Otherwise an error message will be displayed asking you to enter your new password again.

- 6 When your password has been changed, select the *Close* push-button at the bottom of the *Change Password* screen to exit from the change password process. At this point, your new password is in effect. Subsequent logons will require you to enter your assigned User-ID and the new password.
- 7 If you need help during the change password procedure, you can select the *Help* push-button at the bottom of the *Change Password* screen to display help information.



The screenshot shows a window titled "Change Password". Inside the window, there are two text input fields. The first is labeled "New password:" and the second is labeled "Reenter new password:". Below these fields, there are three buttons arranged horizontally: "Change", "Close", and "Help". The background of the window has a light gray, textured appearance.

Figure 4-9. Regulatory Program Database change password screen

4.10.4 Operations—Exiting from the Regulatory Program Database

The RPD is a system that runs under security, and you are part of that security. When you logon to the system, your security permissions and authorities are made available to anyone using your terminal. Leaving your terminal unattended, but logged on, makes it possible for unauthorized users to gain access to the RPD by using your security permissions and authorities. Therefore, you should always exit from the RPD whenever you are finished using it or whenever you must leave your terminal unattended.

To exit from the RPD:

1. Select *Operations* from the menu bar of the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu (Figure 4-5) that contains options for copying RPD records, editing RPD records using WordPerfect, changing your password, or exiting the RPD.
2. Select the *Exit* entry from the *Operations* pull-down menu. Alternatively, you may type the mnemonic [x] or the accelerator key [F3]. The system will close your security permissions and authorities and will terminate your RPD session. At this point, you have successfully exited from the RPD. To use the RPD again, you will have to select the *RPD* entry on your desktop screen and perform a logon by entering your User-ID and password through the *RPD Logon* screen (see Sections 4.7.2 and 4.8).

4.11 MAIN MENU—REPORT ENTRY

The availability of reports depends on your authorities and permissions. Reports that you are authorized to access will appear on the *Report* pull-down and cascading menus.

Reports in the RPD are grouped into two general categories: (i) database content reports, and (ii) database reports. When you select *Report* from the menu bar of the *RPD Main Menu*, a pull-down menu will appear that permits you to select either *Database Content* or *Database Reports* (Figure 4-10).

Selecting the *Database Content* entry causes a cascading menu of the available database content reports to be displayed. Selecting the *Database Reports* entry causes a list view of the available database reports to be displayed.

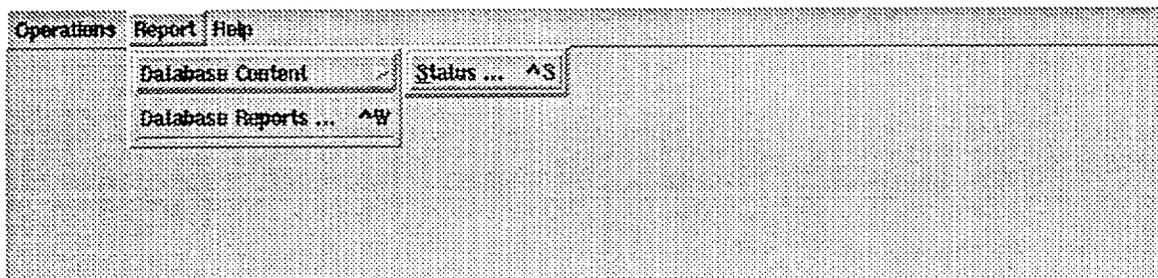


Figure 4-10. Regulatory Program Database report pull-down menu

4.11.1 Database Content Reporting Functions for Users

To select a database content report:

1. Select *Report* from the menu bar of the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu that contains options for *Database Content* and *Database Reports* (Figure 4-10).
2. Select the *Database Content* entry in the *Report* pull-down menu. A cascading menu will appear that includes the names of all database content reports that are available to you.
3. Select the desired report from the cascading menu. The system will format and display the requested report in the *RPD Report Display* screen (Figure 4-11).

One database content reporting function, the *RPD Status Report*, is currently available to all users. The *RPD Status Report* contains the individual review plan number, title, type of document, version, and status for all active regulatory program records in the *RPD*, as well as those records that have been defined, but not loaded (Figure 4-11).

4.11.2 Selecting, Displaying, and Printing Database Content Reports

Once you have selected a database content report, it will be displayed in an *RPD Report Display* screen (Figure 4-11) that permits you to view and/or print it. To select, display, and print a database content report:

1. Select the *Report* from the menu bar of the *RPD Main Menu* (Figure 4-4). The *Report* pull-down menu will appear (Figure 4-10).
2. Select the *Database Content* entry from the *Report* pull-down menu. A cascading menu will appear that includes the names of all the reports in the database content group that are available to you.
3. Select the desired report from the *Database Content* reports group cascading menu. The report will be prepared and displayed on your screen. The report display screen may be scrolled in both the horizontal and vertical directions. To view any portions of the report that are not visible, position your cursor over the appropriate scroll bar, press the mouse button, and move the indicator until the desired information appears in the *RPD Report Display* screen.
4. If you want printed output, select the *Print* push-button at the bottom of the *RPD Report Display* screen. The report display will be formatted and routed to a printer.
5. When you have finished viewing and/or printing the report, you may close the *RPD Report Display* screen by selecting the *Close* push-button at the bottom of the window.
6. If you need help displaying or printing reports, you can select the *Help* push-button at the bottom of the *RPD Report Display* screen to display help information.

RPD Report Display

RPD STATUS REPORT AS OF 17 JUN 1994 PAGE 1

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
1.1	GENERAL DESCRIPTION OF THE FACILITY	CDS	0.1	24 MAR 94	ACTIVE
1.2	BASIS FOR LICENSING AUTHORITY	CDS	0.1	24 MAR 94	ACTIVE
1.3	SCHEDULES	CDS	0.1	24 MAR 94	ACTIVE
1.4	IDENTIFICATION OF SAFEGUARDS	CDS	0.1	24 MAR 94	ACTIVE
1.5	PHYSICAL SECURITY PLAN	CDS	0.1	24 MAR 94	ACTIVE
1.6.1	SITE CHARACTERIZATION WORK CONDUCTED	CDS	0.1	24 MAR 94	ACTIVE
1.6.2	STATUS OF DOE RESOLUTION OF NRC OBJECTIONS	CDS	0.1	24 MAR 94	ACTIVE
1.7	STATEMENT OF COMPLIANCE WITH THE PERFORMANCE OBJECTIVES OF 10 CFR PART 60	CDS	0.1	24 MAR 94	ACTIVE

Print Close Help

Figure 4-11. Regulatory Program Database status report display screen

4.11.3 Selecting, Displaying, and Printing Database Reports

Production of database reports is supported by the RPD generalized report writer. This facility permits selection of a wide variety of information and report formatting. Once the information has been extracted from the database, it is formatted according to the selected report specifications and presented to you as a WordPerfect document. You may then view the WordPerfect document, print it, edit it, save it, or incorporate it into other work products. You cannot save an assembled or edited document back to the RPD.

To select a database report:

1. Select the *Report* entry in the menu bar of the *RPD Main Menu* (Figure 4-4). The system will display a pull-down menu (Figure 4-10) that contains options for database content and database reports.
2. Select *Database Reports* from the *Report* pull-down menu. The *Database Reports Selection List* screen (Figure 4-12) will appear that includes a list view with the names of all database reports that are available to you.

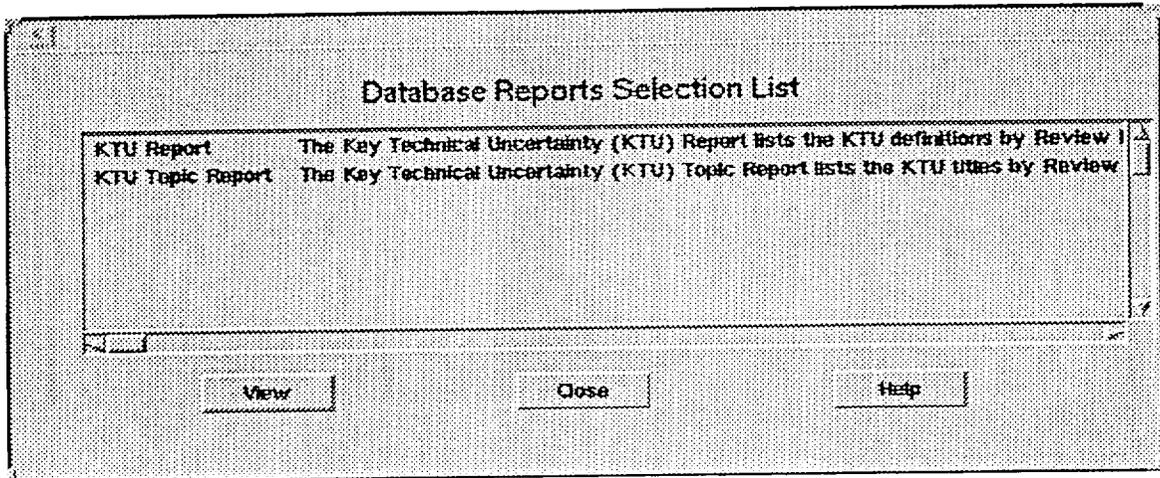


Figure 4-12. Database reports selection list

3. Select the desired report from the list of available database reports and click the *View* push button. The system will format the requested report as a WordPerfect document and start the WordPerfect software.

Once the report has been formatted as a WordPerfect document, you may use the normal facilities of WordPerfect to view the document, edit it, print it, or save it. However, if you want to save the document, you must do so on a diskette or your local hard disk. You will not be permitted to save a database report document in the RPD.

These database reports are currently available to users:

- **KTU Topic Report** – The KTU Topic Report contains the KTU topics and their associated review plan numbers and titles. A sample display of the KTU Topic Report as it would appear when viewed using WordPerfect is shown in Figure 4-13
- **KTU Report** – The KTU Report contains the KTU topics, descriptions of uncertainty, performance objectives at risk, explanation of the nature of the risk, description of resolution difficulty, and associated review plan numbers and titles.

Other specialized reports can be generated by providing descriptions of the content, format, and style specifications to the database administrator. These reports will be added to the selection list if they are found to be generally useful.

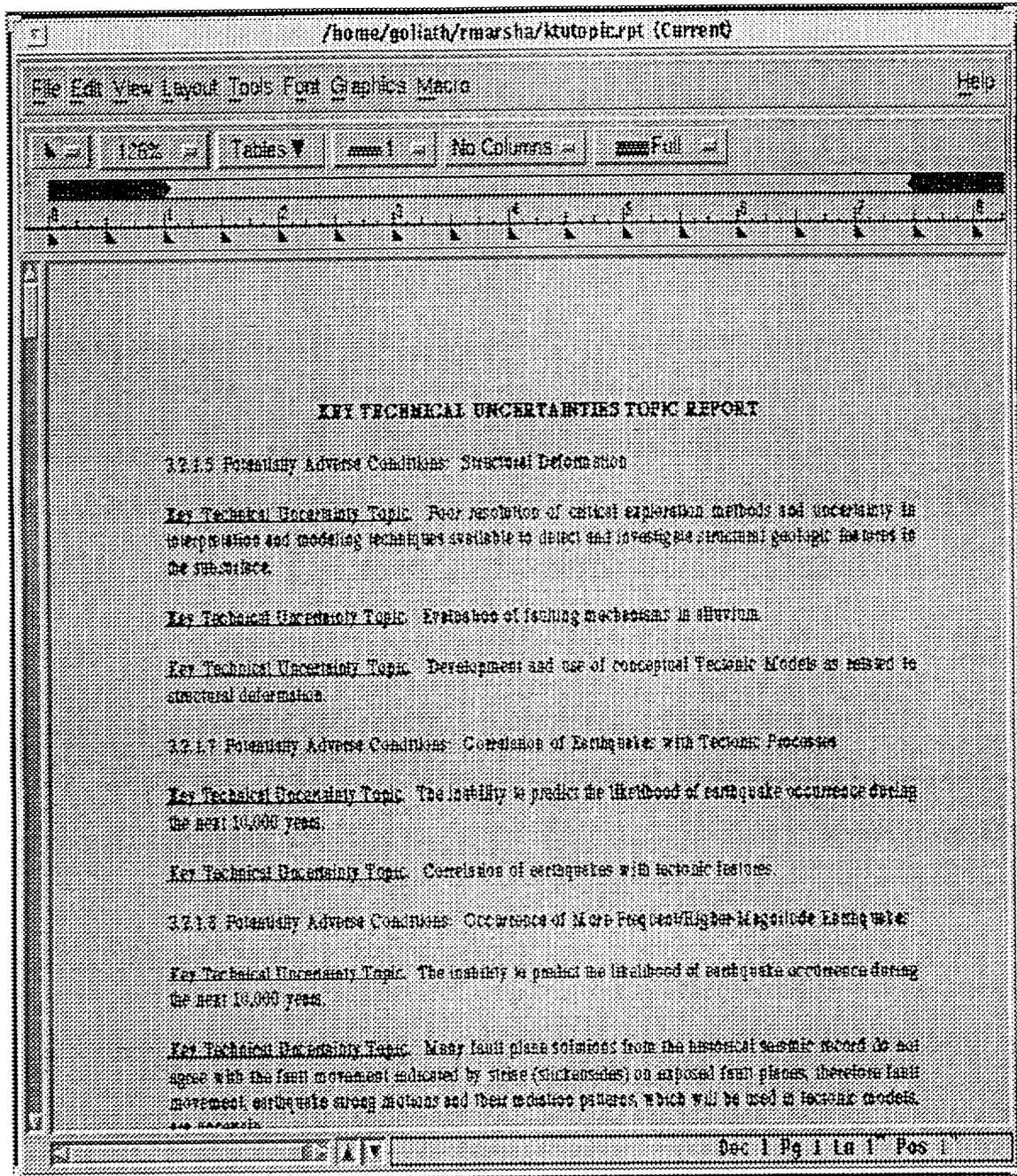


Figure 4-13. Regulatory Program Database Key Technical Uncertainty

4.12 MAIN MENU—HELP ENTRY

The RPD provides on-line help for you that is configured to reflect your individual authorities and permissions

To access the on-line Help from the *RPD Main Menu*:

1. Select *Help* from the menu bar of the *RPD Main Menu* (Figure 4-4). A help pull-down menu will appear with entries for *Help*, *Help Index*, and *About* (Figure 4-14).
2. If you select the *Help* entry, or press the mnemonic key [h] or the accelerator key [Ctrl-h], a screen will appear that provides information about how to use the Help facility.
3. If you select the *Help Index* entry, or press the mnemonic key [i] or the accelerator key [Ctrl-i], a list of Help topics will be displayed from which you may select the desired information.
4. If you select the *About* entry, or press the mnemonic key [a], a description of the RPD will be displayed.

To use the *Help* entry in the *Help* pull-down menu:

1. Select the *Help* entry from the *Help* pull-down menu (Figure 4-14). The *Main Menu HELP Window* will be displayed (Figure 4-15). You can scroll forward and backward through the text, as required, to read the help information.

To use the *Help Index* entry in the *Help* pull-down menu:

1. Select the *Help Index* entry from the *Help* pull-down menu (Figure 4-14). The *HELP INDEX Window* will be displayed (Figure 4-16).
2. Select the desired entry from the *HELP INDEX Window* to display the help topics for that entry.

Similar help functions are available from all other RPD and TOPIC full-text search screens.

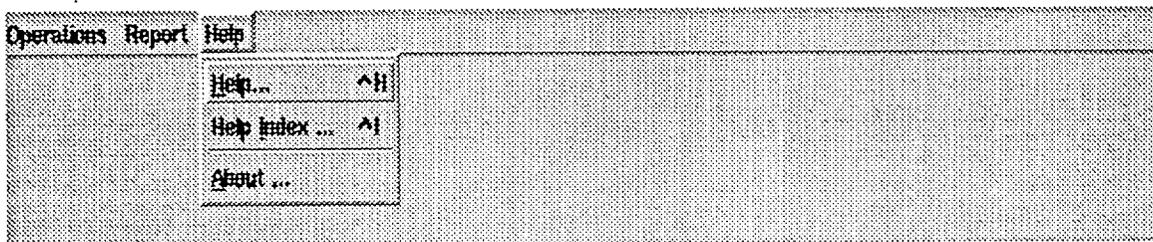


Figure 4-14. HELP pull-down menu

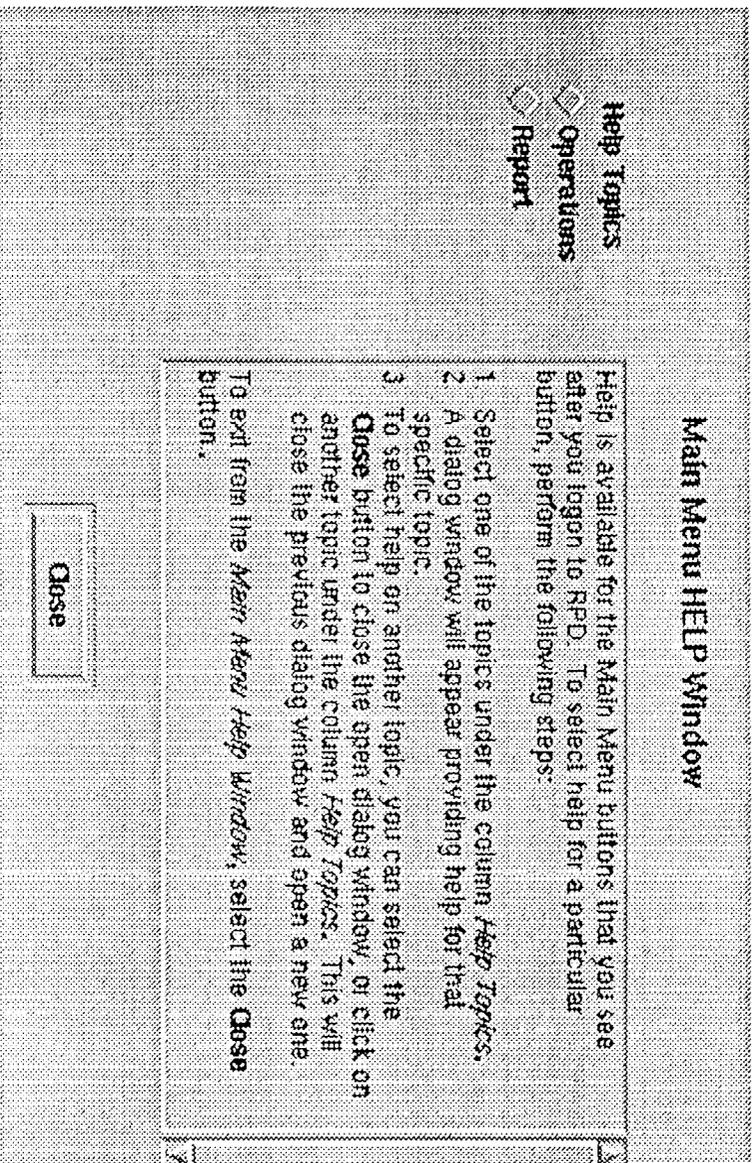


Figure 4-15. Main menu help window

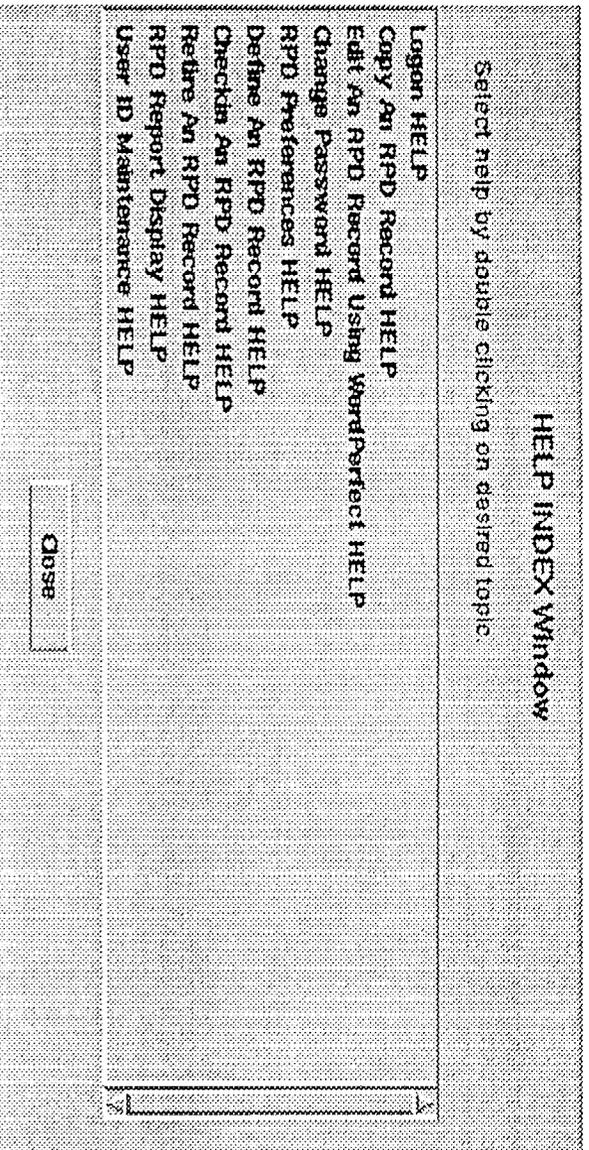


Figure 4-16. Help index window



5 GUIDELINES FOR OPERATOR ACCESS TO THE REGULATORY PROGRAM DATABASE

The previous chapters provided a general introduction to the RPD and its primary functions. This chapter will introduce you to the functions available to the operator of the RPD. More advanced operations and features are presented in later chapters of the *User's Guide*.

5.1 OPERATOR AUTHORITIES AND PERMISSIONS

Certain users have additional authorities and permissions that allow them to perform functions not available to other users. This chapter discusses authorities, permissions, and functions available to the operator. Where functions available to the operator are the same as those available to other users, reference is made to prior sections of the *User's Guide*. Familiarity with the RPD primary functions presented in previous chapters prepares you to operate the RPD and utilize these additional functions.

Access to the RPD for reporting functions is generally available to all users. The operator has the authorities and permissions of the user class as described in Section 4, and also has access to full-text search and retrieval functions.

5.2 REGULATORY PROGRAM DATABASE MAIN MENU

After the logon process has been completed, the system displays the *RPD Main Menu* screen for operators (Figure 5-1). This screen contains a menu bar at the top of the screen with the following major functions that can be accessed by operators:

Operations—Change your password, copy an RPD record, use WordPerfect to edit an RPD record, or exit from the RPD

Search—Use full-text and/or fielded information searches to find and access RPD records

Report—Access the RPD report facilities to display and/or print standard reports

Help—Access the RPD help facilities to get more information about how to use the RPD

5.3 MAIN MENU—OPERATIONS ENTRY

The *Operations* entry in the menu bar of the *RPD Main Menu* permits you to perform a number of general functions that are available to all users. Selecting *Operations* from the menu bar of the *RPD Main Menu* causes the *Operations* pull-down menu (Figure 4-5) to appear. This pull-down menu contains

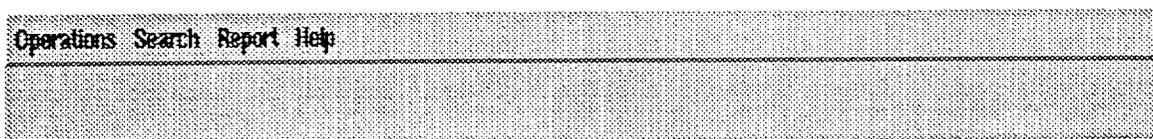


Figure 5-1. Regulatory Program Database main menu screen for operators

the functions that you are permitted to perform, including copying an RPD record, using WordPerfect to edit an RPD record, changing your password, or exiting the RPD. More advanced users, such as the database administrator, have additional entries in the *Operations* pull-down menu to support their requirements (Section 8.3). For further information about how to use the *Operations* entry in menu bar of the RPD Main Menu, see Section 4.10.

5.4 MAIN MENU – SEARCH ENTRY

The RPD provides powerful and easy-to-use facilities for identifying and viewing regulatory program records. The TOPIC full-text search and retrieval software is used to permit you to find regulatory program records by searching for specific words or phrases in: (i) the text of the document, or (ii) certain document header fields, such as the individual review plan number or title.

5.4.1 Accessing the Full-Text Search Facilities

The following steps are required before you can begin searching for regulatory program records:

1. Select the *Search* entry from the menu bar of the *RPD Main Menu* (Figure 5-1). The system will display the *Search* pull-down menu (Figure 5-2). This pull-down menu permits you to select the types of RPD records you want to search.
2. Select the desired group of RPD records to be searched from the *Search* pull-down menu. The system will start the TOPIC full-text search and retrieval facilities to access the selected group of RPD records and will display a *TOPIC Query Entry* screen for simple queries (Figure 5-3). It takes a few seconds for the TOPIC full-text search and retrieval to be started, and several information and copyright screens will display before the first *TOPIC Query Entry* screen appears.

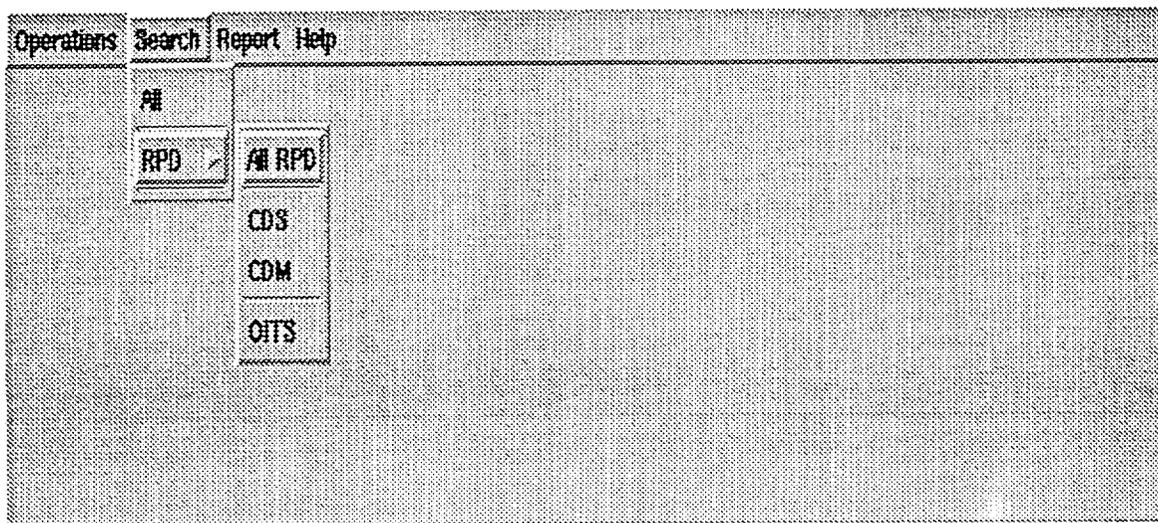


Figure 5-2. Regulatory Program Database search pull-down menu

Occasionally an error message may appear, indicating some sort of problem with your configuration and/or some of the parameters needed by the TOPIC software. If any error messages appear before the first *TOPIC Query Entry* screen appears, you should document them by pressing the [Print Screen] key on your keyboard and then contact the database administrator immediately at (210) 522-5258.

When the TOPIC full-text search facility has been started, you will see two windows displayed. The background window is the *TOPIC Main Menu*, which contains a menu bar that permits you to select a number of options pertaining to your query. The foreground window is the *TOPIC Query Entry* screen (Figure 5-3). This window permits you to enter words and/or phrases to be used in searching for records.

5.4.2 TOPIC Main Menu

The menu bar of the *TOPIC Main Menu* contains entries that give you access to a number of capabilities of the TOPIC full-text search and retrieval software:

- *File*—Starting new queries and saving the current query
- *Edit*—Cutting, and pasting, and searching for specific text in a document display

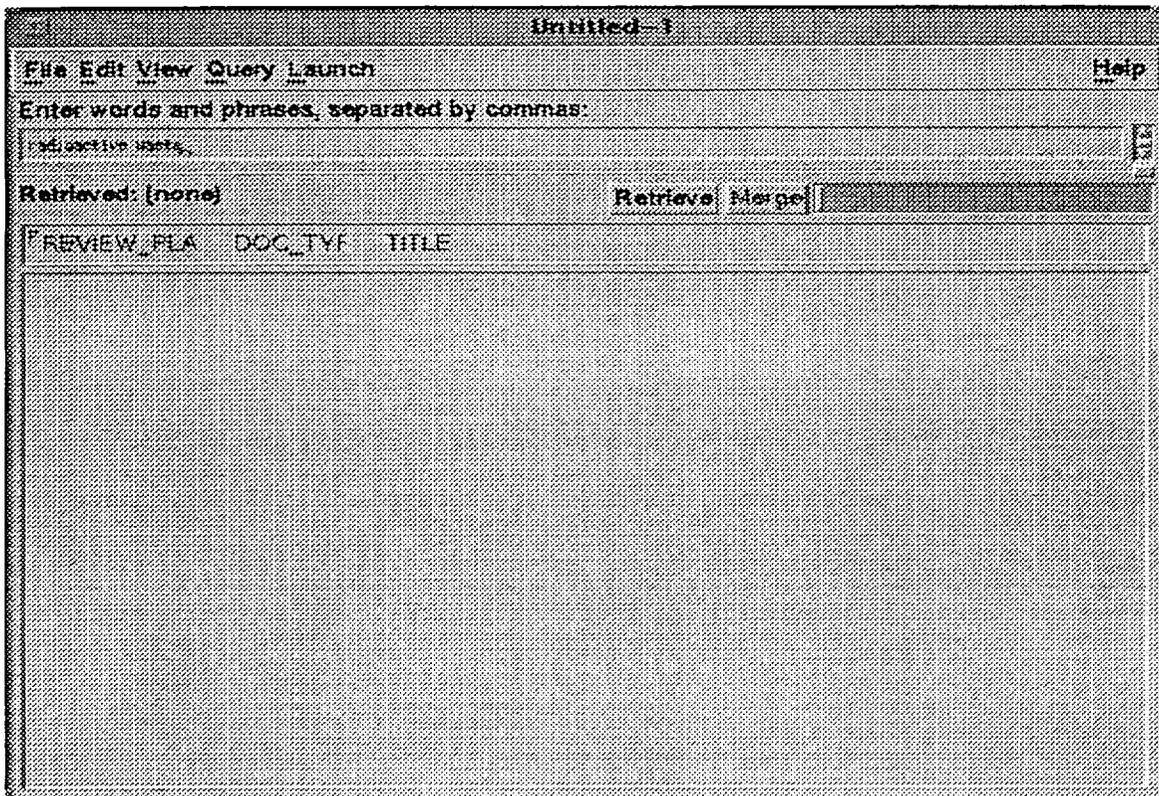


Figure 5-3. TOPIC query entry screen for simple queries

- *View*—Viewing different document displays
- *Query*—Changing the type of query
- *Launch*—Starting other programs such as WordPerfect
- *Help*—Getting additional Help information

5.4.3 Formulating Simple Queries

TOPIC queries are formulated in a very intuitive manner. The following summary of TOPIC syntax is intended to be an introduction that will permit you to begin searching for records. Training will be provided as you require it. For more information on TOPIC syntax, you should contact the CNWRA Help Desk at (210) 522-5258.

You may enter words, phrases, or expressions to find the desired materials in the full-text repository.

- **Words**—You may enter a single word or multiple words separated by commas to formulate a TOPIC query. Each word will be used individually to search for documents containing that word. When you enter multiple words separated by commas, TOPIC will retrieve documents containing any of the specified words.

Words are considered to be stems in that endings are ignored. For example, if you enter the word `market`, TOPIC will select documents that contain “market,” “markets,” “marketing,” or “marketed.”

If you want to look for a specific word, enclose it in double quotation marks to prevent it from matching as a stem.

Words are considered to be case insensitive. Thus, you may enter words for search purposes in lowercase, uppercase, or mixed case.

- **Phrases**—You may enter multiple words, without separating them with commas, and the system will treat them as phrases and retrieve only documents that contain corresponding phrases.

If you want to search for more than one phrase, separate the individual phrases with commas. For example, if you enter `RADIOACTIVE WASTE, HIGH LEVEL WASTE`, the system will search for documents containing either or both phrases.

Within phrases, TOPIC treats words as stems. Thus, if you enter the search phrase, `HIGH LEVEL WASTE`, TOPIC will select documents that contain the phrases: (i) “high level waste...,” (ii) “high level wastes...,” (iii) “higher level waste...,” or (iv) “higher level wastes... .”

If you want to search for a specific phrase, enclose it in double quotation marks.

- Expressions—You may indicate required combinations of phrases and words by using special words, such as “and,” “or,” and “not” to combine the words and phrases into expressions. When you type one of these reserved words, TOPIC will change its appearance to indicate that the reserved word is being interpreted as a logical operator rather than as a word. For example, if you enter the expression, **WASTE AND CONTAINMENT**, the system will interpret the word “and” as an operator, and will display the query terms as **WASTE <AND> CONTAINMENT**. This query would only retrieve documents that contained both the words “waste” and “containment.”

If you want to use a reserved words such as “and,” “or,” or “not” as a word in a phrase, you must enclose it in quotation marks to prevent the system from interpreting it as an operator. For example, **WASTE “AND” EMPLACEMENT** would be interpreted as a phrase rather than an expression because “and” is enclosed in quotation marks.

5.4.4 Entering a Simple Query

The *TOPIC Query Entry* screen for simple queries (Figure 5-3) permits you to enter words, phrases, and/or expressions for searching and to view the resulting list of selected documents. The *TOPIC Query Entry* screen for simple queries contains an upper pane and a lower pane, separated by a sash line. The upper pane contains an entry field that can be scrolled if necessary. The words and/or phrases that you wish to use for searching are typed into the entry field under the prompt, **Enter words and phrases separated by commas.**

To enter a simple query:

1. Position your cursor in the *Enter words and phrases, separated by commas* entry field of the upper pane of the *TOPIC Query Entry* screen for simple queries (Figure 5-3) and press the left mouse button. This activates the entry field. If a vertical cursor bar does not appear in the upper left-hand corner of the entry field, you may need to move the scroll bar at the right side of the entry field in order to position the cursor at the top of the entry field.
2. Type the desired word(s) and/or phrases in the *Enter words and phrases, separated by commas* entry field. Note that the entry field is initially set up to display only a few lines; however, you can enter as many words and/or phrases as needed. If you type in more information than can be held on a single line, the words will wrap automatically to the next line. If you type in more lines than can be displayed in the entry field, the text will scroll automatically. To see text that you have typed in that is not currently visible in the entry field you can: (i) move the vertical scroll bar at the right side of the entry field, or (ii) make the entry field larger by selecting and holding to the dark bar below the entry field and then dragging the bottom of the entry field downward.
3. When you have entered all of the desired search words, phrases, and/or expressions, you may start the search either: (i) by pressing the [Return] or [Enter] key or (ii) by selecting the *Retrieve* push-button under the entry field. As the query is executed, several pieces of status information will be displayed: (i) a colored bar at the right side of the window, under the entry field, will fill from left to right to indicate how far the query has progressed; (ii) a message at the left side of the window, under the entry field, which has the form “**Retrieved: 25 of 150**”, will update continuously to tell you how many documents have been selected and

how many have been examined by the query; and (iii) the results list in the lower pane of the window will fill from top to bottom with a description of the selected records.

5.4.5 Entering Form Queries

TOPIC also supports the ability to search for words and/or phrases in specific “header” fields, such as review plan title, document type, status, etc. This type of query is called a form query, because the input screen looks like a highly structured form. When you are using a form query, the upper pane of the *TOPIC Query Entry* screen (Figure 5-4) contains a list of available fields, each with its own entry field. For each header field and its associated entry field, there is a selection labeled *Require*. If you select this option for a field, it will be required for the search to be satisfied. Otherwise, the field will be considered optional.

5.4.5.1 Selecting the Form Query Entry Mode

TOPIC normally starts in simple query mode. The first query screen will be formatted to accept simple queries. If you want to enter a form query, you must change to form query mode. The following steps are required to change TOPIC to form query mode:

REVIEW PLAN	DOC TYPE	TITLE
12.15	CDS	POTENTIALLY ADVERSE CONDITION -- STRUCTURAL DEFORMATION (10 CFR 63.122)
12.16	CDS	POTENTIALLY ADVERSE CONDITION -- HISTORICAL EARTHQUAKES (10 CFR 63.123)
12.17	CDS	POTENTIALLY ADVERSE CONDITION: EVIDENCE OF EXTREME EROSION
12.18	CDS	POTENTIALLY ADVERSE CONDITION -- PRESENCE OF NATURALLY OCCURRING MINERALS
12.19	CDS	POTENTIALLY ADVERSE CONDITION -- EVIDENCE OF MINING FOR RESOURCES (10 CFR 63.124)
12.20	CDS	POTENTIALLY ADVERSE CONDITION -- EVIDENCE OF DRILLING (10 CFR 63.125)
12.21	CDS	POTENTIALLY ADVERSE CONDITION: GEOMECHANICAL PROPERTIES
12.22	CDS	POTENTIALLY ADVERSE CONDITION -- FLOODING (10 CFR 63.126)
12.23	CDS	POTENTIALLY ADVERSE CONDITION: HUMAN ACTIVITY AFFECTING GROUNDWATER
12.24	CDS	POTENTIALLY ADVERSE CONDITION: NATURALLY PRODUCED SURFACE WATER IMPACT
12.25	CDS	POTENTIALLY ADVERSE CONDITION: STRUCTURAL DEFORMATION AND GROUNDWATER

Figure 5-4. TOPIC query entry screen for form queries

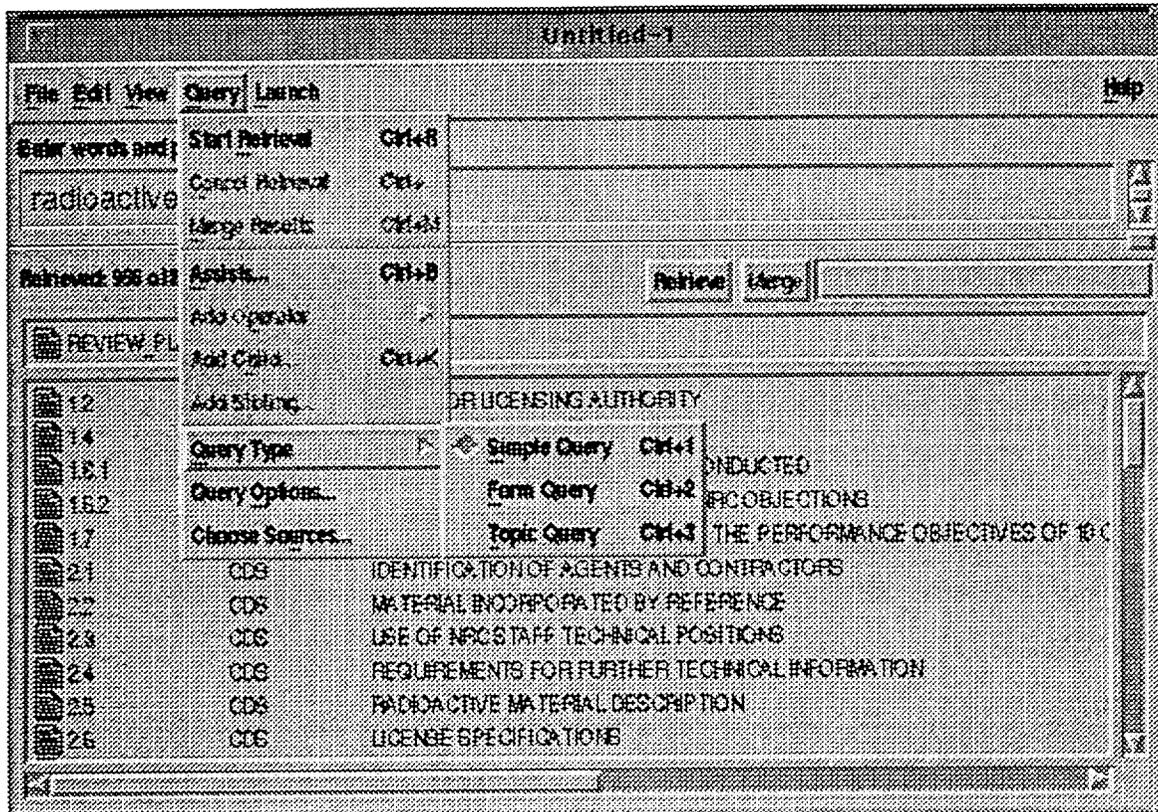


Figure 5-5. TOPIC query type selection menu

1. Select the *Query* entry from the menu bar of the *TOPIC Main Menu* screen. A pull-down menu will appear with various query options (Figure 5-5).
2. Select the *Query Type* entry from the *Query* pull-down menu. A cascading menu will appear listing the available types of queries. The type of query currently selected will be indicated with a check mark.
3. Select the *Form Query* entry from the *Query Type* cascading menu. The *Query* pull-down menu will disappear, and the upper pane of the *Topic Query Entry* screen will change to accept a form query (Figure 5-4).

5.4.5.2 Using a Form Query

You can enter words and/or phrases into a form query just as you would in a simple query, but you associate the words and/or phrases you want with specific fields. Thus, you may search for “**ADVERSE CONDITION**” in the *Title* field, “**CDS**” in the *Doc Type* field, and “**ACTIVE**” in the *Status* field. By selecting the *Require* block next to each of these three fields, you can specify that the search information was required rather than optional. The resulting query would select all active CDS documents that mentioned “adverse condition” in the title.

To enter search information into a form query:

1. Enter the search word(s) and/or phrase(s) in the entry field next to the desired header field.
2. Select the *Require* option for the field if the search information is required rather than optional.
3. Repeat these steps for each desired field.
4. When you have entered the search information for each field, press the [Return] or [Enter] key or select the *Retrieve* push-button to start the query retrieval.

5.4.6 Selecting Documents for Viewing from the Results List

As a query runs, two pieces of information are updated in the status area immediately below the Query Entry pane. On the left of the status area, there is a message that displays the number of records selected out of the number of records that have been examined. On the right of the status area, there is a bar-indicator that fills with color, left to right, to indicate the percent of the query completed. When the bar is completely filled with color, the search has been completed, and a brief description of the selected documents will appear in the results list located immediately below the status area (see Figure 5-6, *TOPIC Query Results List*, which illustrates a typical results list following a simple query).

The results lists contains the following information about each selected document:

- **REVIEW_PLAN**—The individual review plan number for the document (e.g., 1.6.2) appears in this field.
- **DOC_TYPE**—The document type (e.g., CDS, CDM) appears in this field.
- **TITLE**—The title of the document appears in this field. Note that the title may be long enough that it will not all display within in the results list pane. If this is the case, you may select and move the horizontal scroll bar indicator at the bottom of the results list to shift the display left or right as needed.

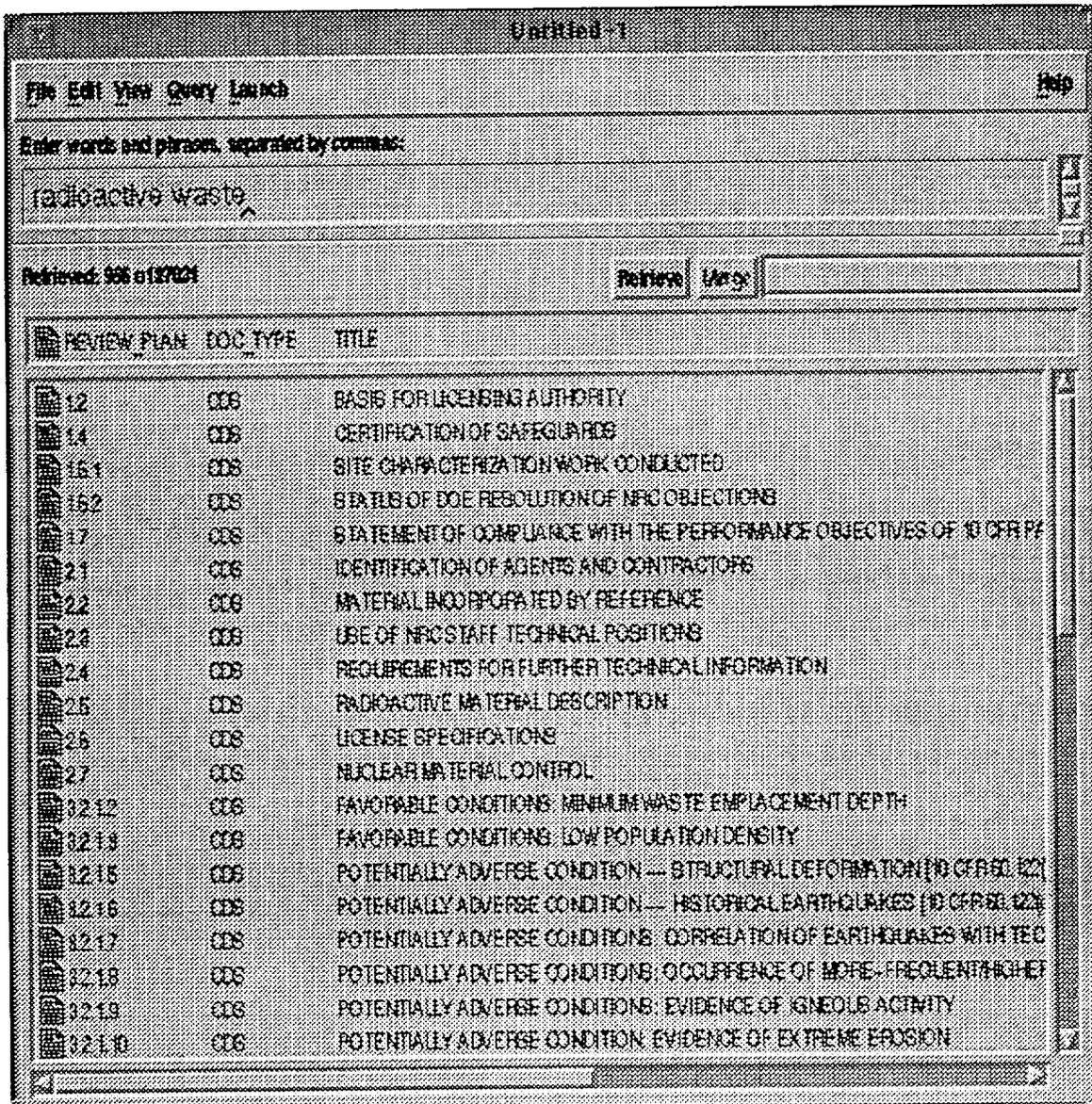


Figure 5-6. TOPIC query results list

To select one or more of the documents in the results list for viewing:

Select the desired entry in the results list. The selected document will be retrieved and displayed in a separate window. If you want to view more than one document at a time, you may position your cursor and select additional documents. Each document will be displayed in its own window. You may maximize the TOPIC window to include the entire screen by selecting the maximize button at the upper right-hand corner of the TOPIC window. You may move individual document windows around within the TOPIC window to permit viewing of two or more documents concurrently. To move a document window, you should (i) position your cursor on the title bar, (ii) press and hold the mouse button, (iii) drag the window

to the desired location, and (iv) release the left mouse button to leave the window in its new position.

5.4.7 Viewing Selected Documents

When a document has been selected from the results list for viewing, it will appear in a display window. The search term(s) that you used to retrieve the document will be highlighted, and “navigation” facilities are provided to permit you to rapidly “jump” through the document display to the next or previous occurrence of the search term (Figure 5-7).

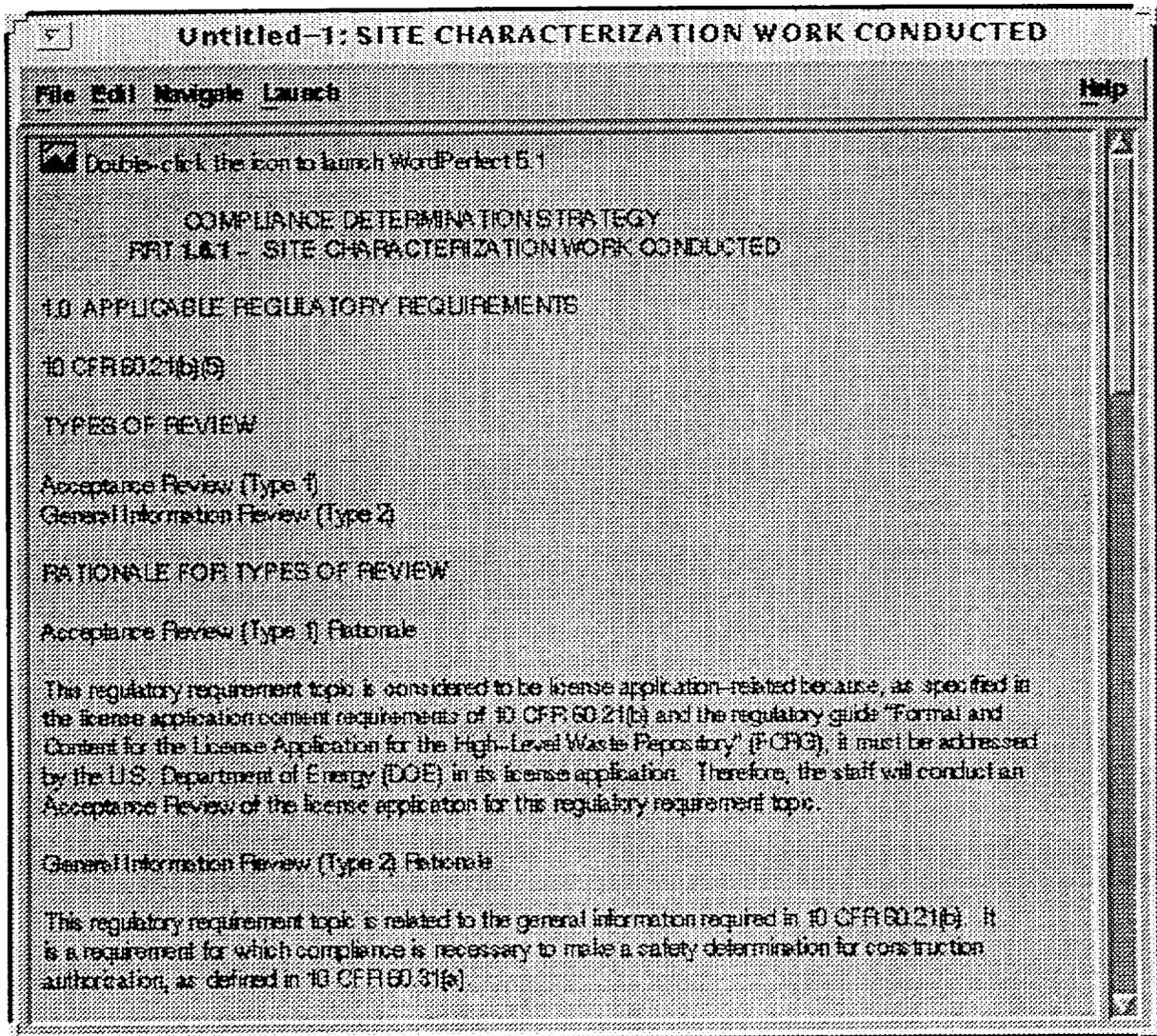


Figure 5-7. TOPIC document display

To search for the next or previous occurrence of the search term:

1. Select the *Navigate* option from the menu bar of the *TOPIC Main Menu*. The system will display the *Navigate* pull-down menu (Figure 5-8).
2. To find the next search term, select *Next Highlight*.
3. To find the previous search term, select *Previous Highlight*.

Facilities are provided to permit you to search for additional words and/or phrases that were not used as original search terms.

To find additional words and/or phrases in the text:

1. Select the *Navigate* option from the menu bar of the *TOPIC Main Menu*. The system will display the *Navigate* pull-down menu (Figure 5-8).

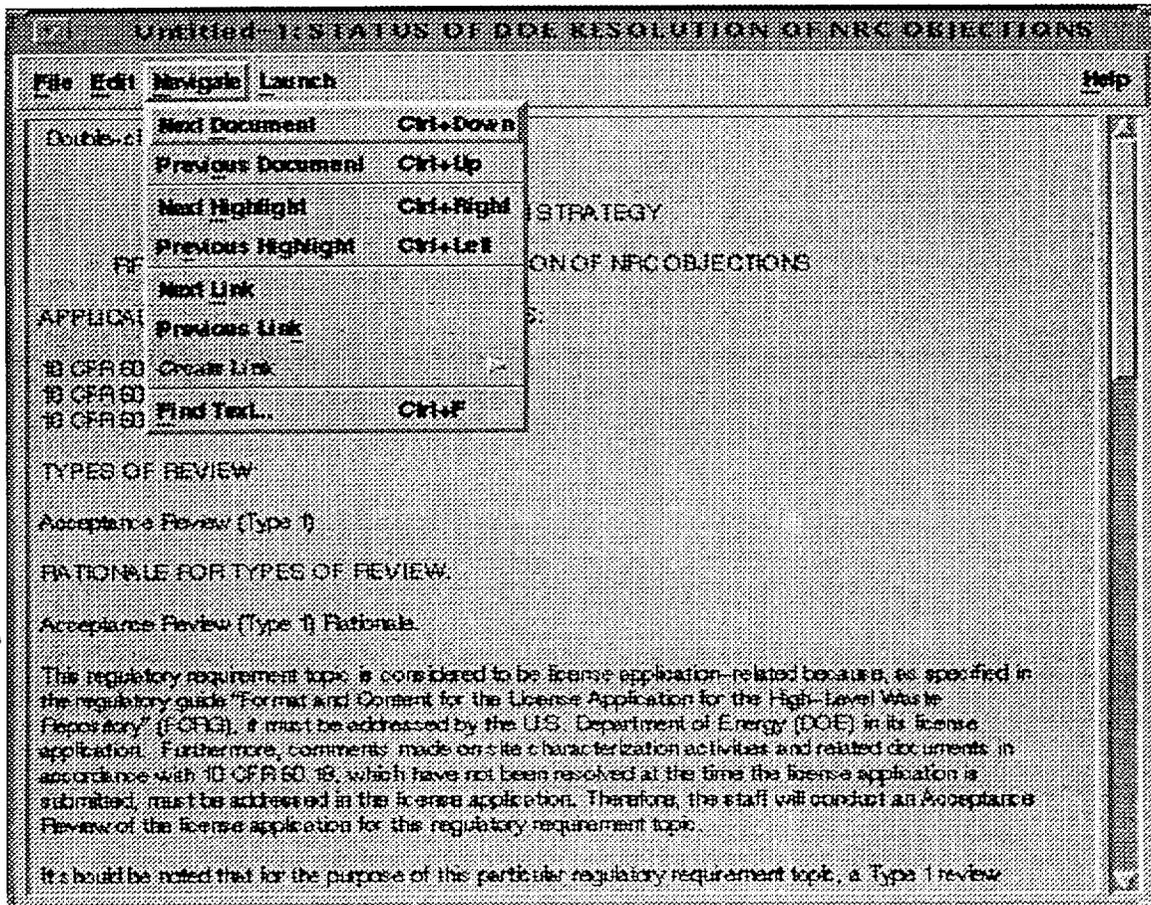


Figure 5-8. TOPIC navigation facilities pull-down menu

2. Select the *Find Text* entry in the *Navigate* pull-down menu. Another entry window will be displayed where you can enter the word(s) or phrase(s) that you want to find.
3. Enter the desired word(s) or phrase(s), and select *Next* to find the next occurrence or *Previous* to find the previous occurrence.
4. Select *Cancel* to exit from the text search window.

Facilities are also provided to permit you to display the next or previous document in the selection list.

To display the next or previous document in the selection list:

1. Select the *Navigate* option from the menu bar of the *TOPIC Main Menu*. The system will display the *Navigate* pull-down menu.
2. To display the next document in the selection list, select *Next Document*.
3. To find the previous document in the selection list, select *Previous Document*.

5.4.8 Launching WordPerfect

A document that you have selected for display may be viewed and/or edited in a file with WordPerfect. While documents in the RPD may be edited using WordPerfect, they may not be saved directly into the RPD, because updates to the records in the RPD are strictly controlled. However, you may freely access records from the RPD, modify them, incorporate them into other work products, and save them on a diskette or on your local hard disk.

When a document has been selected for display under the RPD search facilities, an icon and descriptive line (i.e., **Double-Click the icon to launch WordPerfect 5.1**) (Figure 5-7) appears at the top of the document. If you select this icon, the system will start a WordPerfect session in another window using the document you selected. You can then perform any WordPerfect functions with this document. If you save the results of the WordPerfect session, this action will not modify the record in the RPD.

5.4.9 Exiting from the Record Search Facility

To exit from the *Search* facility:

1. Select the *File* entry in the menu bar at the top of the *TOPIC Query Entry* screen. The system will display the *File* pull-down menu.
2. Select the *Exit* entry from the *File* pull-down menu. TOPIC will display a message asking if you want to save the current query and will wait for your response.
3. In most cases, you will not want to save the current query. Select the *Discard* push-button under the message. The TOPIC full-text search and retrieval environment will terminate, and the *RPD Main Menu* will display again.

Saving queries will be addressed in subsequent versions of the *User's Guide*.

5.5 MAIN MENU—REPORT ENTRY

The availability of reports depends on your authorities and permissions. Reports that you are authorized to access will appear on the *Report* pull-down and cascading menus.

For further information on the types of reports supported by the RPD and how to access them, see Section 4.11.

5.5.1 Available Database Content Reports for Operators

One database content reporting function, the RPD Status Report, is currently available to operators. For further information about how to select and print database content reports, see Sections 4.11.1. and 4.11.2.

5.5.2 Selecting, Displaying, and Printing Database Reports

Production of database reports is supported by the RPD generalized report writer. This facility permits selection of a wide variety of information and report formatting.

Several database reports are currently available to operators including the KTU Topic Report and the KTU Report. More reports will be available in the future. These will automatically be added to the database *Reports* menu.

For further information about the report writer and how to select, view, and print database reports, see Section 4.11.3.

5.6 MAIN MENU—HELP ENTRY

For information about how to use the Help facility, see Section 4.12.

6 GUIDELINES FOR MANAGER ACCESS TO THE REGULATORY PROGRAM DATABASE

The previous chapters provided a general introduction to the RPD and its primary functions and described the functions available to users and operators. This chapter will introduce you to the functions available to manager users of the RPD.

6.1 MANAGER AUTHORITIES AND PERMISSIONS

Certain users have additional authorities and permissions that allow them to perform functions not available to other users. This chapter discusses authorities, permissions, and functions available to managers. Where functions available to managers are the same as those available to other users, reference is made to prior sections of the *User's Guide*. Familiarity with the RPD primary functions presented in previous sections prepares you to operate the RPD and utilize these additional functions.

Access to the RPD for reporting functions is generally available to all users. In addition, operators have access to full-text search and retrieval functions. Managers have all of the authorities and permissions of operators as well as access to additional reporting functions.

6.2 REGULATORY PROGRAM DATABASE MAIN MENU

After the logon sequence has been completed, the system displays the *RPD Main Menu* screen for managers (Figure 6-1). This screen contains a menu bar at the top of the screen with the following major functions that can be accessed by managers:

Operations—Change your password, copy an RPD record, use WordPerfect to edit an RPD record, or exit from the RPD

Search—Use full-text and/or fielded information searches to find and access RPD records

Report—Access the RPD report facilities to display and/or print standard reports

Help—Access the RPD help facilities to get more information about how to use the RPD

6.3 MAIN MENU – OPERATIONS ENTRY

The *Operations* entry in the menu bar of the *RPD Main Menu* permits you to perform a number of general functions that are available to all users. Selecting *Operations* from the menu bar of the *RPD Main Menu* causes the *Operations* pull-down menu (Figure 4-5) to appear. This pull-down menu contains the functions that you are permitted to perform, including copying an RPD record, using WordPerfect to edit an RPD record, changing your password, or exiting the RPD. More advanced users, such as the database administrator, have additional entries in the *Operations* pull-down menu to support their requirements (Section 8.3). For further information about how to use the *Operations* entry in the *RPD Main Menu*, see Section 4.10.

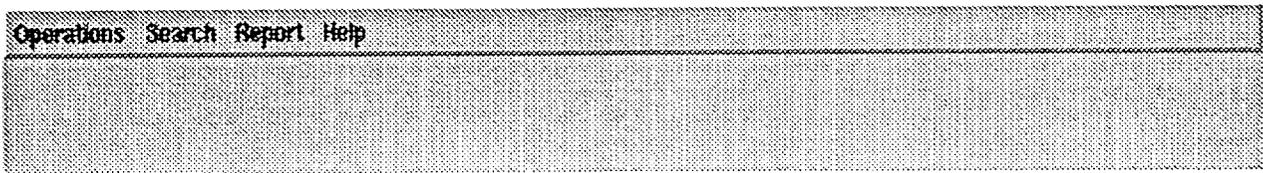


Figure 6-1. Regulatory Program Database main menu for managers

6.4 MAIN MENU—SEARCH ENTRY

The RPD provides powerful and easy-to-use facilities for identifying and viewing regulatory program records. The TOPIC full-text search and retrieval software is used to permit you to find regulatory program records by searching for specific words or phrases in: (i) the text of the document, or (ii) certain document header fields, such as the individual review plan number or title. For further information about how to use the *Search* entry in the menu bar of the *RPD Main Menu*, see Section 5.4

6.5 MAIN MENU—REPORT ENTRY

The availability of reports depends on your authorities and permissions. Reports that you are authorized to access will appear on the *Report* pull-down and cascading menus.

Reports in the RPD are grouped into two general categories: (i) database content reports, and (ii) database reports. When you select *Report* from the menu bar of the *RPD Main Menu*, a pull-down menu will appear that permits you to select either *Database Content* or *Database Reports* (Figure 6-2).

6.5.1 Available Database Content Reporting Functions for Managers

Database content reports available to managers include the RPD Status Report and the RPD Content Report. For further information on the RPD Status Report and how to select and print database content reports, see Sections 4.11.1 and 4.11.2.

The RPD Content Report (Figure 6-3) contains the individual review plan number, title, type of document, version, and status for all records in the RPD, including vacant records (those that have been defined, but not loaded), active records (those that contain current information), archived records (those that have been superseded by more recent versions), and retired records (those that have been deleted from the active database).

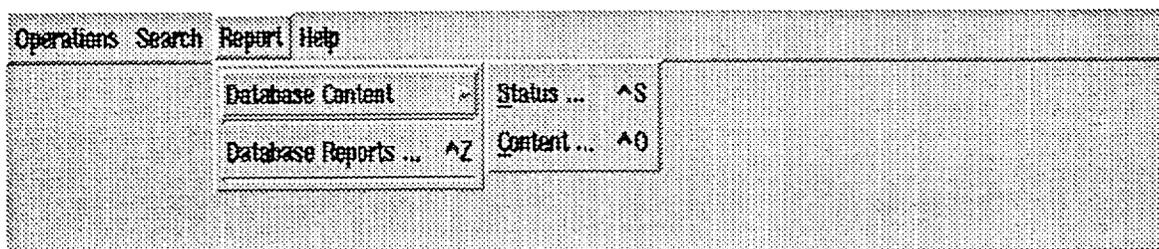


Figure 6-2. Database content reports for managers

RPD Report Display

RPD CONTENT REPORT AS OF 17 JUN 1994 PAGE 1

REF PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
1.1	GENERAL DESCRIPTION OF THE FACILITY	CBS	0.1	24 MAR 94	ACTIVE
1.1	GENERAL FACILITY DESCRIPTION	CBS	0.0	24 OCT 93	ARCHIVED
1.1	General Description of the Facility	CBS	0.0	30 SEP 93	ARCHIVED
1.2	BASIS FOR LICENSING AUTHORITY	CBS	0.1	24 MAR 94	ACTIVE
1.2	BASIS FOR LICENSING AUTHORITY	CBS	0.0	24 OCT 93	ARCHIVED
1.2	Basis for Licensing Authority	CBS	0.0	30 SEP 93	ARCHIVED
1.3	SCHEDULES	CBS	0.1	24 MAR 94	ACTIVE
1.3	SCHEDULES	CBS	0.0	25 OCT 93	ARCHIVED
1.3	Schedules	CBS	0.0	30 SEP 93	ARCHIVED

Print Close Help

Figure 6-3. Regulatory Program Database content report

6.5.2 Selecting, Displaying, and Printing Database Reports

Production of database reports is supported by the RPD generalized report writer. This facility permits selection of a wide variety of information and report formatting.

Several database reports are currently available to managers including the KTU Topic Report, the KTU Report, and the LARP. More reports will be available in the future. These will automatically be added to the database *Reports* menu. The LARP contains a compilation of review strategy and review procedures information extracted from CDS and CDM records. This report is available only to managers, database custodians, and database administrators.

For further information about the report writer and how to select, view, and print database reports, see Section 4.11.3.

6.5.3 Selecting and Displaying or Printing Reports

For information about how to select and print reports, see Section 4.11.

6.6 MAIN MENU – HELP ENTRY

For information about how to use the Help facility, see Section 4.12.

7 GUIDELINES FOR DATABASE CUSTODIAN ACCESS TO THE REGULATORY PROGRAM DATABASE

The previous chapters provided a general introduction to the RPD and its primary functions and described the functions available to users, operators, and managers. This chapter will introduce you to the functions available to the database custodian user of the RPD.

7.1 DATABASE CUSTODIAN AUTHORITIES AND PERMISSIONS

Certain users have additional authorities and permissions that allow them to perform functions not available to users, operators, and managers. This chapter discusses authorities, permissions, and functions available to the database custodian. Where functions available to the database custodian are the same as those available to other users, reference is made to prior sections of the *User's Guide*. Familiarity with the RPD primary functions presented in previous sections prepares you to operate the RPD and utilize these additional functions.

While access to the RPD for retrieval and viewing is generally available to the NRC and CNWRA staff, the Waste Systems Engineering and Integration (WSE&I) staff of the CNWRA has responsibility for incorporating any approved changes to the database. Therefore, only selected WSE&I staff are currently authorized to add, delete, or change regulatory program records, in accordance with TOP-001-15 [RPD Loading Control, Version Control, and Change Control (CNWRA, 1993)]. After a record has been approved by NRC and CNWRA management, it is processed by the database custodian for check in to the RPD. Revised text is processed in the same manner. If records are to be retired, that action must be approved by NRC and CNWRA management before being processed by the database custodian.

7.2 REGULATORY PROGRAM DATABASE MAIN MENU

After the logon process has been completed, the system displays the *RPD Main Menu* for database custodians (Figure 7-1). This screen contains a menu bar at the top of the screen with the following major functions that can be accessed by the database custodian user:

Operations—Change your password, copy an RPD record, use WordPerfect to edit an RPD record, or exit from the RPD

Search—Use full-text and/or fielded information searches to find and access RPD records

Custodian—Perform operations to define, check in, or retire RPD records

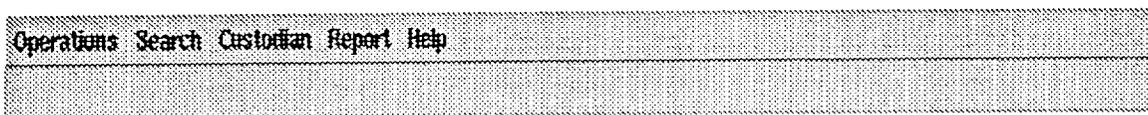


Figure 7-1. Regulatory Program Database main menu for database custodian users

Report—Access the RPD report facilities to display and/or print standard reports

Help—Access the RPD help facilities to get more information about how to use the RPD

7.3 MAIN MENU—OPERATIONS ENTRY

The *Operations* entry in the menu bar of the *RPD Main Menu* permits you to perform a number of general functions that are available to all users. Selecting *Operations* from the menu bar of the *RPD Main Menu* causes the *Operations* pull-down menu (Figure 4-5) to appear. This pull-down menu contains

the functions that you are permitted to perform, including copying an RPD record, using WordPerfect to edit an RPD record, changing your password, or exiting the RPD. More advanced users, such as the database administrator, have additional entries in the *Operations* pull-down menu to support their requirements (Section 8.3). For further information about how to use the *Operations* entry in the RPD Main Menu, see Section 4.10.

7.4 MAIN MENU—SEARCH ENTRY

The RPD provides powerful and easy-to-use facilities for identifying and viewing regulatory program records. The TOPIC full-text search and retrieval software is used to permit you to find regulatory program records by searching for specific words or phrases in: (i) the text of the document, or (ii) certain document header fields, such as the individual review plan number or title. For further information about how to use the *Search* entry in the menu bar of the *RPD Main Menu*, see Section 5.4.

7.5 MAIN MENU—CUSTODIAN ENTRY

In addition to functions available to other users the RPD provides capabilities for defining, maintaining, and retiring RPD records. These facilities are available to database custodians and database administrators through the *Custodian* entry in the menu bar of the *RPD Main Menu*. When the *Custodian* entry is selected, a pull-down menu appears that permits access to three maintenance functions:

- *Define RPD Record* – Use the RPD record definition facilities to format and define a new RPD record
- *Checkin* – Use the RPD check in facilities to enter an RPD record into the database
- *Retire RPD Record* – Use the RPD maintenance facilities to retire an existing RPD record

To access the database custodian facilities:

1. Select *Custodian* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu containing options to *Define RPD Record*, *Checkin*, or *Retire RPD Record* (Figure 7-2).
2. Select the desired function from the *Custodian* pull-down menu. The system will execute the selected function.

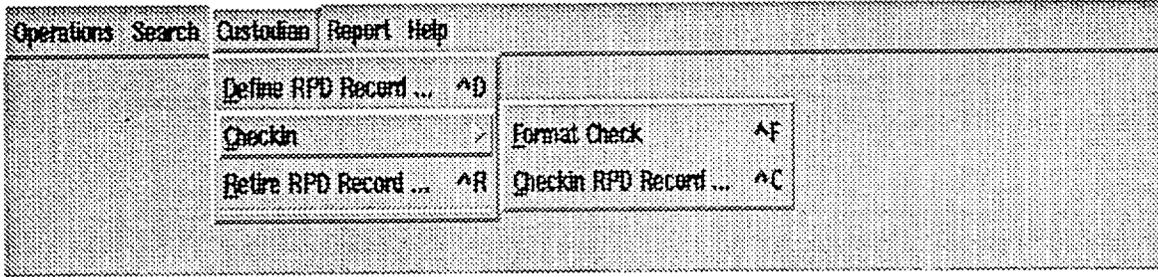


Figure 7-2. Regulatory Program Database custodian pull-down menu

7.5.1 Defining New Regulatory Program Database Records

Record header information, such as title and review plan number, must be preloaded in the database before textual data associated with the records may be checked in. Conceptually, the record header preloading process creates a place for the data, and the check in process actually stores the textual information. When a record is preloaded, the system reserves space in the relational database and in the full-text repository by formatting and storing placeholder records that contain the text, **TO BE DEVELOPED**.

The record definition and header preloading process requires an entry screen through which the document type, review plan number, and title are entered (Figure 7-3). Only selected users are authorized to preload new header information. Users who are not authorized to define records will not find the *Custodian* entry in the menu bar of the *RPD Main Menu*.

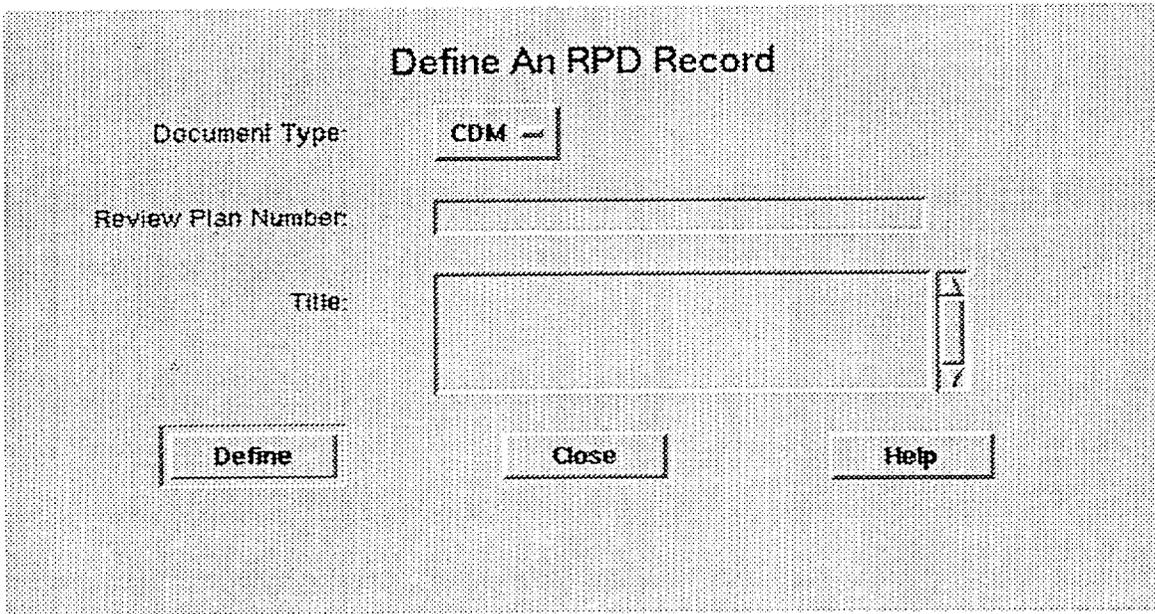


Figure 7-3. Define a Regulatory Program Database record entry screen

To define a new record:

1. Select *Custodian* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu containing options to *Define RPD Record*, *Checkin*, or *Retire RPD Record* (Figure 7-2).
2. Select the *Define RPD Record* entry from the *Custodian* cascading menu. Alternatively, you may press the mnemonic key [d] or the accelerator key [Ctrl-d]. The *Define An RPD Record* entry screen will appear.
3. Select the *Document Type* pull-down indicator to display the pull-down list of document types, and select the desired document type.
4. Enter the review plan number for the new record in the *Review Plan Number* entry field.
5. Enter the title for the new record in the *Title* entry field. Note that if you type more than one line, the title will automatically wrap to another line. If you enter more information than will display in the *Title* entry field, you may view the information that is not currently visible by moving the vertical scroll bar at the right-hand side of the *Title* entry field.
6. Visually review the information you have entered and make corrections if necessary. When all of the information is correct, select the *Define* push-button at the bottom of the *Define An RPD Record* entry screen to accept the record and update the database.

If an error is detected (e.g., the review plan number already exists for the type of document you have selected), an error message will display, and you will not be permitted to continue until the error condition has been resolved.

A few seconds are required to update the database. During this time, the *Define* push-button will remain shaded, and the system will be locked to prevent further entry of information. When the update has been completed, the *Define* push-button will return to its normal appearance, and a message will display indicating whether or not the update is successful. If, for any reason, the update is not successful, an error message will display, providing further information and instructions. In general, only internal system problems will make the update process fail. Therefore, if an error message appears indicating that the update was not successful, you should follow the instructions in the error message and/or its associated help message, and contact the database administrator immediately at (210) 522-5258.

7. To exit from the *Define An RPD Record* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Define* push-button, any information that you have entered will be discarded.

7.6 CHECK IN FOR REGULATORY PROGRAM DATABASE RECORDS

Once a record has been defined in the database, the textual information associated with that record may be checked in. The check in process is used: (i) whenever the text of a new record is loaded for the first time or (ii) whenever a record's text is changed and reloaded. The information to be checked in is

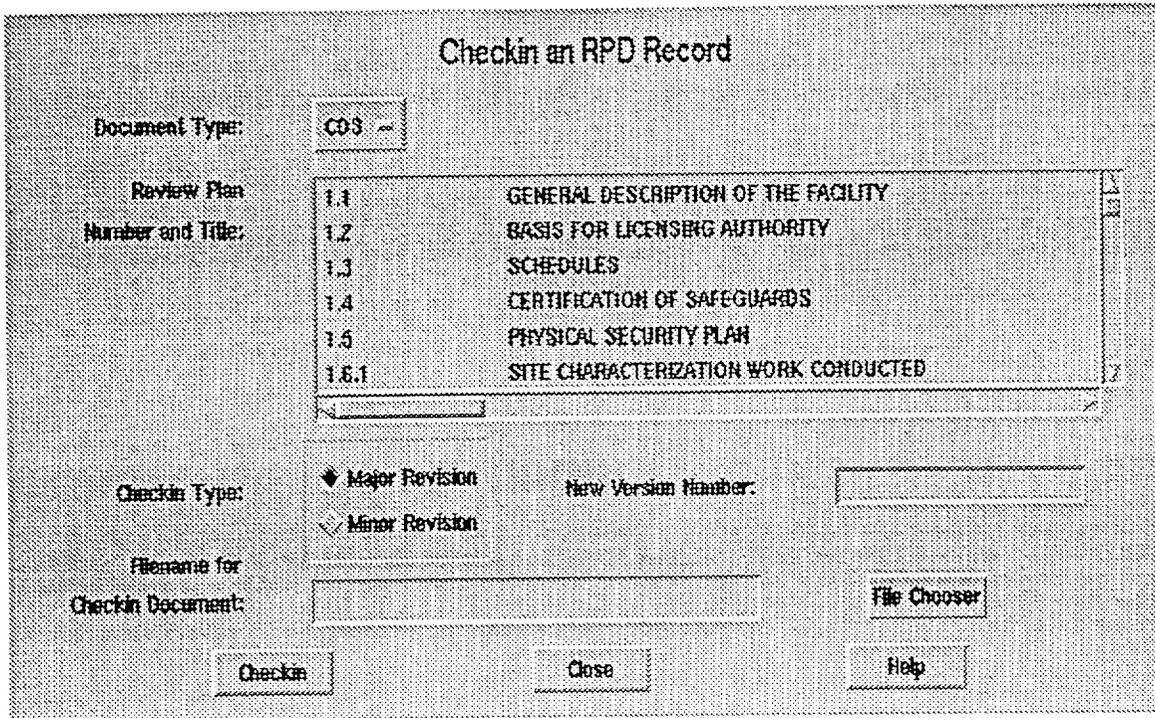


Figure 7-4. Checkin an Regulatory Program Database record entry screen

submitted as a WordPerfect file on a diskette or on the network hard disk. This data file must be correctly identified and validated through the *Checkin an RPD Record* screen (Figure 7-4) before the data is accepted and updated in the RPD.

To check in a record:

1. Select *Custodian* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu containing options to *Define RPD Record*, *Checkin*, or *Retire RPD Record* (Figure 7-2).
2. Select the *Checkin* entry in the *Custodian* pull-down menu. The *Checkin* cascading menu will be displayed
3. Select the *Checkin RPD Record* entry from the *Checkin* cascading menu. Alternatively you may press the mnemonic key [c] or the accelerator key [Ctrl-c]. The *Checkin an RPD Record* entry screen will appear (Figure 7-4).
4. Select the *Document Type* pull-down indicator to display the pull-down list of document types, and select the desired document type. All of the active and defined review plan numbers and titles for the selected document type will appear in the *Review Plan Number and Title* list view. Note that the information in this list view may be scrolled horizontally and vertically.

5. Select the line in the *Review Plan Number and Title* list view that contains the desired review plan number and title.
6. Select either the *Major Revision* or *Minor Revision* radio button under the *Checkin Type:* heading.
7. Enter the appropriate number in the *New Version Number* entry field for the document being checked in. The system will also compute a new version number based on the current version number and the type of change (major or minor). This new computed version number will be compared to the version that you have entered. If they do not match, the system will display an error message, and you will be permitted to: (i) change the version number that you have entered or (ii) exit from the *Checkin an RPD Record* entry screen by selecting the *Close* push-button at the bottom of the screen.
8. Enter the *Filename for Checkin Document* in the space provided. If you are not sure of the file name, you may select the *File Chooser* push-button next to the *Filename for Checkin Document* entry field. This will cause a list of files to be displayed (Figure 4-7), and you may select the desired disk, directory, and file name.
9. Visually review the information you have entered, and make corrections if necessary.
10. When all of the information is correct, select the *Checkin* push-button at the bottom of the *Checkin an RPD Record* entry screen to accept the check in information and update the database. A few seconds are required to perform the check in process. During this time, the *Checkin* push-button will remain shaded, and the system will be locked to prevent further entry of information. When the check in process has been completed, the *Checkin* push-button will return to its normal appearance, and a message will display indicating whether or not the check in is successful.

If, for any reason, the check in is not successful, an error message will display, providing further information and instructions. Several conditions can cause the check in process to fail in ways that cannot be immediately corrected by the operator. If any of the following conditions are indicated, the check in process will be terminated automatically, and you will have to correct and resubmit the data: (i) internal system problems, (ii) a corrupted WordPerfect input file, (iii) an input file that is not in WordPerfect format, or (iv) an input file that the system cannot parse to find the document type, review plan number, and title.

There is one condition that causes the check in process to pause and ask for operator confirmation. If the document type, review plan number, or title in the submitted document file does not match the corresponding information on the *Checkin an RPD Record* screen, the system will assume that the wrong file has been submitted. This will cause the system to pause and display an error message, showing the expected versus the submitted document type, review plan number, and title. In some cases, such as when a change occurs in the title of a document, you may want to verify that the correct document has been selected by checking the review plan number, and then accept the input document file and override the title in the *Checkin an RPD Record* screen information by selecting the *Accept* push-button at the bottom of the error message screen. This action must be approved by the CNWRA Deputy Technical Director for Systems Engineering and Integration in accordance with TOP-001-015

[RPD Loading Control, Version Control, and Change Control (Center for Nuclear Waste Regulatory Analyses, 1993)]. If you do not want to accept the input document file, you may exit from the *Checkin an RPD Record* screen by selecting the *Close* push-button at the bottom of the error message screen.

11. To exit from the record *Checkin an RPD Record* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Checkin* push-button, any information that you have entered will be discarded.

7.7 FORMAT CHECK FOR REGULATORY PROGRAM DATABASE RECORDS

The RPD has a facility for checking the format of input records prior to submitting them for check in. The format check facility is nearly identical to the check in process described in Section 7.6, except that the database is not updated. All input edits are performed and any error conditions are included in a format check error report. The *Format Check an RPD Record* entry screen (Figure 7-5) requires the record to be selected from a list view of available records. The input file must be identified either through entry of the full path and file name or through selection with the file chooser facility.

Format Check an RPD Record

Document Type: []

Review Plan Number and Title: []

Format Check Type: Major Revision Minor Revision

New Version Number: []

Filename for Format Check Document: [] File Chooser

Format Check Close Help

RPD Record Checked

Figure 7-5. Format check a Regulatory Program Database record entry screen

To format check a record:

1. Select *Custodian* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu containing options to *Define RPD Record*, *Checkin*, or *Retire RPD Record* (Figure 7-2).
2. Select the *Checkin* entry in the *Custodian* pull-down menu. The *Checkin* cascading menu will be displayed
3. Select the *Format Check* entry from the *Checkin* cascading menu. Alternatively, you may press the mnemonic key [f] or the accelerator key [Ctrl-f]. The *Format Check an RPD Record* entry screen will appear (Figure 7-5).
4. Select the *Document Type* pull-down indicator to display the pull-down list of document types, and select the desired document type. All of the active and defined review plan numbers and titles for the selected document type will appear in the *Review Plan Number and Title* list view. Note that the information in this list view may be scrolled horizontally and vertically.
5. Select the line in the *Review Plan Number and Title* list view that contains the desired review plan number and title.
6. Select either the *Major Revision* or *Minor Revision* radio button under the *Format Check Type* heading.
7. Enter the appropriate number in the *New Version Number* entry field for the document being format checked. The system will also compute a new version number based on the current version number and the type of change (major or minor). This new computed version number will be compared to the version that you have entered. If they do not match, the system will display an error message, and you will be permitted to: (i) change the version number that you have entered, or (ii) exit from the *Format Check an RPD Record* entry screen by selecting the *Close* push-button at the bottom of the screen.
8. Enter the *Filename for Format Check Document* in the space provided. If you are not sure of the file name, you may select the *File Chooser* push-button next to the *Filename for Format Check Document* entry field. This will cause a list of files to be displayed (Figure 4-7), and you may select the desired disk, directory, and file name.
9. Visually review the information you have entered and make corrections if necessary.
10. When all of the information is correct, select the *Format Check* push-button at the bottom of the *Format Check An RPD Record* entry screen to accept the format check input information and check the format of the submitted record. A few seconds are required to perform the format check process. During this time, the *Format Check* push-button will remain shaded, and the system will be locked to prevent further entry of information. When the format check process has been completed, the *Format Check* push-button will return to its normal

appearance, and a message will display indicating whether or not the format check is successful.

If, for any reason, the format check was not successful, an error message will display, providing further information and instructions (see Appendix B).

There is one condition that causes the format check process to pause and ask for operator confirmation. If the document type, review plan number, or title in the submitted document file does not match the corresponding information on the *Format Check an RPD Record* input screen, the system will assume that the wrong file has been submitted. This will cause the system to pause and display an error message, showing the expected versus the submitted document type, review plan number, and title. In some cases, such as when a change occurs in the title of a document, you may want to verify that the correct document has been selected by checking the review plan number, and then accept the input document file and override the title in the *Format Check an RPD Record* input screen information by selecting the *Accept* push-button at the bottom of the error message screen. This action must be approved by the CNWRA Deputy Technical Director for Systems Engineering and Integration in accordance with TOP-001-015 [RPD Loading, Control, Version Control, and Change Control (Center for Nuclear Waste Regulatory Analyses, 1993)]. If you do not want to accept the input document file, you may exit from the *Format Check An RPD Record* screen by selecting the *Close* push-button at the bottom of the error message screen.

11. To exit from the *Format Check an RPD Record* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Format Check* push-button, any information that you have entered will be discarded.

7.8 RETIRE A REGULATORY PROGRAM DATABASE RECORD

An RPD record may become obsolete and may need to be removed from the active database. The RPD record retirement process is used to archive an outdated record and remove it from the active database. The information in the retired record is physically retained, but is no longer available to users through the normal RPD access methods. The record to be retired must be positively identified through the *Retire An RPD Record* screen (Figure 7-6) before it can be archived and removed from the active database. Such action must be approved by NRC and CNWRA management and must be done in accordance with TOP-001-015 [RPD Loading, Control, Version Control, and Change Control (Center for Nuclear Waste Regulatory Analyses, 1993)].

To retire an RPD record:

1. Select *Custodian* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu containing options to *Define RPD Record*, *Checkin*, or *Retire RPD Record* (Figure 7-2).
2. Select the *Retire RPD Record* entry in the *Custodian* pull-down menu. Alternatively you may press the mnemonic key [r] or the accelerator key [Ctrl-r]. The *Retire An RPD Record* entry screen will appear (Figure 7-6).
3. Select the *Document Type* pull-down indicator to display the pull-down list of document

types, and select the desired document type. All of the active and defined review plan numbers and titles for the selected document type will appear in the *Review Plan Number and Title* list view. Note that the information in this list view may be scrolled horizontally and vertically.

4. Select the line in the *Review Plan Number and Title* list view that contains the desired review plan number and title.
5. When you have selected the record to be retired, select the *Retire* push-button at the bottom of the *Retire An RPD Record* screen. The system will display a confirmation message and ask you to verify that the correct record has been selected. You may continue with the record retirement by selecting the *Retire* push-button in the message window.
6. If the wrong record has been selected, or if you do not want to continue with the record retirement, you may exit from the *Retire An RPD Record* screen by selecting the *Close* push-button at the bottom of the screen.

When a record has been retired, a message will appear at the bottom of the screen informing you that the record retirement transaction successfully completed.

7. To exit from the *Retire An RPD Record* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Retire* push-button, the record that you were starting to retire will remain in the active database.

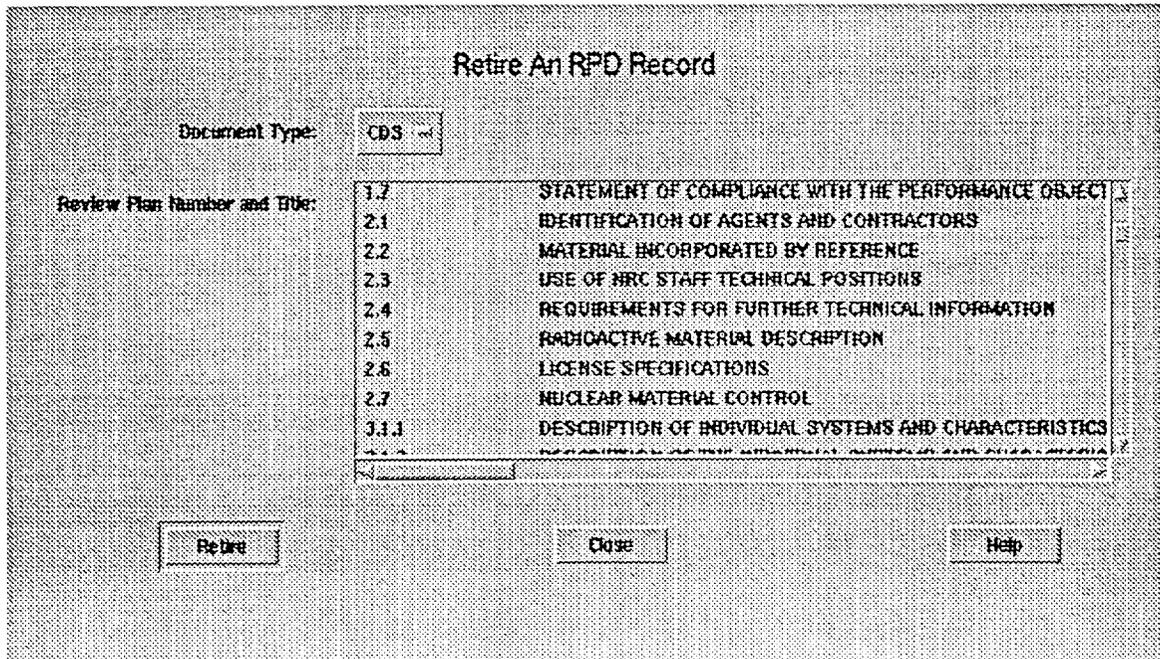


Figure 7-6. Retire an RPD record input screen

7.9 MAIN MENU – REPORT ENTRY

The availability of reports depends on your authorities and permissions. Reports that you are authorized to access will appear on the *Report* pull-down and cascading menus.

Reports in the RPD are grouped into two general categories: (i) database content reports, and (ii) database reports. When you select *Report* from the menu bar of the *RPD Main Menu*, a pull-down menu will appear that permits you to select either *Database Content* or *Database Reports* (Figure 6-2).

7.9.1 Available Database Content Reports for Database Custodian Users

Database content reports available to database custodians include the RPD Status Report and the RPD Content Report. For further information on how to select and print database content reports, see Sections 4.11.1 and 4.11.2.

7.9.2 Selecting, Displaying, and Printing Database Reports

Production of database reports is supported by the RPD generalized report writer. This facility permits selection of a wide variety of information and report formatting.

Several database reports are currently available to database custodians including the KTU Topic Report, the KTU Report, and the LARP. More reports will be available in the future. These will automatically be added to the database *Reports* menu.

For information about the report writer and how to select, view, and print database reports, see Section 4.11.3.

7.10 MAIN MENU– HELP ENTRY

For information about how to use the Help facility, see Section 4.12.

8 GUIDELINES FOR DATABASE ADMINISTRATOR ACCESS TO THE REGULATORY PROGRAM DATABASE

The previous chapters provided a general introduction to the RPD and its primary functions and described the functions available to most users, operators, managers, and database custodians. This chapter will introduce you to the functions available to the database administrator user of the RPD.

8.1 DATABASE ADMINISTRATOR AUTHORITIES AND PERMISSIONS

Certain users have additional authorities and permissions that allow them to perform functions not available to normal users, operators, managers, and database custodians. This chapter discusses authorities, permissions, and functions available to the database administrator. Where functions available to the database administrator are the same as those available to other users, reference is made to prior sections of the *User's Guide*. Familiarity with the RPD primary functions presented in previous sections prepares you to operate the RPD and utilize these additional functions.

Access to the RPD for reporting functions is generally available to all users. Retrieval and viewing of records is available to operators and managers. The manager user has additional authority that permits restricted reports to be viewed and printed. Additional access authority is available to the database custodian user that permits records to be added, changed, or retired. The database administrator has very extensive authorities and permissions that permit access to all functions of other users to be performed as well as the exclusive abilities to add new users to the system and to alter user permissions and preferences.

8.2 REGULATORY PROGRAM DATABASE MAIN MENU

After the logon process has been completed, the system displays the *RPD Main Menu* for the database administrator user (Figure 8-1). This screen contains a menu bar at the top of the screen with the following major functions that can be accessed by the database administrator:

Operations—Change your password, copy an RPD record, use WordPerfect to edit an RPD record, or exit from the RPD

Search—Use full-text and/or fielded information searches to find and access RPD records

Custodian—Perform operations to define, check in, or retire RPD records

Report—Access the RPD report facilities to display and/or print standard reports

System—Use system maintenance functions

Help—Access the RPD help facilities to get more information about how to use the RPD



Figure 8-1. Regulatory Program Database main menu for database administrator users

8.3 MAIN MENU – OPERATIONS ENTRY

The *Operations* entry in the menu bar of the *RPD Main Menu* permits you to perform a number of general functions that are available to all users. Selecting the *Operations* entry in the *RPD Main Menu* menu bar causes the *Operations* pull-down menu (Figure 8-2) to appear. This pull-down menu contains the functions that you are permitted to perform, including copying an RPD record, using WordPerfect to edit an RPD record, changing your password, selecting user preferences, or exiting the RPD. For further information about how to use the *Operations* entry in the *RPD Main Menu* for copying an RPD record, using WordPerfect to edit an RPD record, changing your password, or exiting the RPD, see Section 4.10.

8.3.1 Operations—Selecting User Preferences

Database administrator users of the RPD may use the *Preferences* entry in the *Operations* pull-down menu to set up selected preferences and options for operating environments.

To change preferences:

1. Select the *Operations* entry from the menu bar of the *RPD Main Menu* (Figure 8-1). The system will display a pull-down menu (Figure 8-2) that contains options for copying RPD records, editing RPD records using WordPerfect, changing your password, changing preferences, or exiting from the RPD.
2. Select the *Preferences* entry in the *Operations* pull-down menu. Alternatively you may type the mnemonic [p] or the accelerator key [Ctrl-e]. The system will display the *Preferences* screen (Figure 8-3).

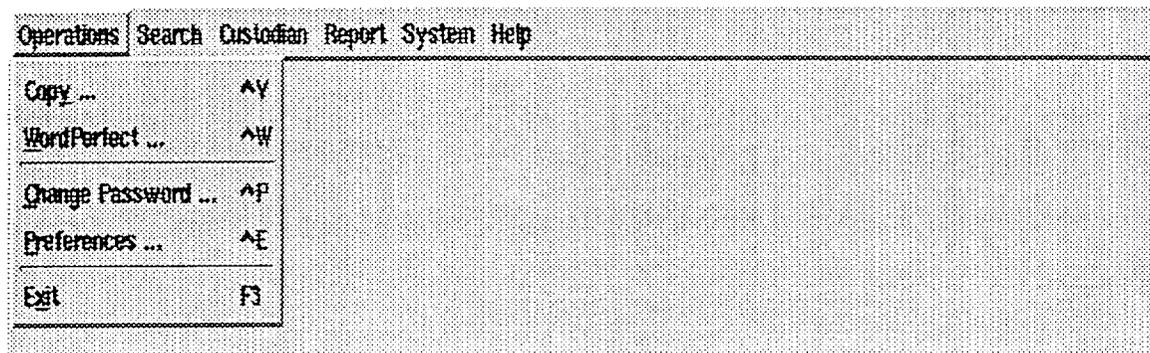


Figure 8-2. Operations pull-down menu for database administrator users

3. Select the radio button in the *WordPerfect* group box that corresponds to the version of WordPerfect that you are using.
4. Enter the full path and file name of the WordPerfect program that you are using in the *Path* entry field in the *WordPerfect* group box.
5. Enter the full path and file name of the TOPIC program that you are using in the *Path* entry field in the *TOPIC* group box.
6. Visually review the information you have selected and entered and make corrections if necessary. When all of the information is correct, select the *Save* push-button at the bottom of the *Preferences* screen to save the new preference information.
7. To exit from the *Preferences* screen, select the *Cancel* push-button at the bottom of the screen. If you exit before selecting the *Save* push-button, any information that you have entered will be discarded, and the previous preference information will be retained.
8. If you need help in using the *Preferences* screen, select the *Help* push-button at the bottom of the screen to display help information.

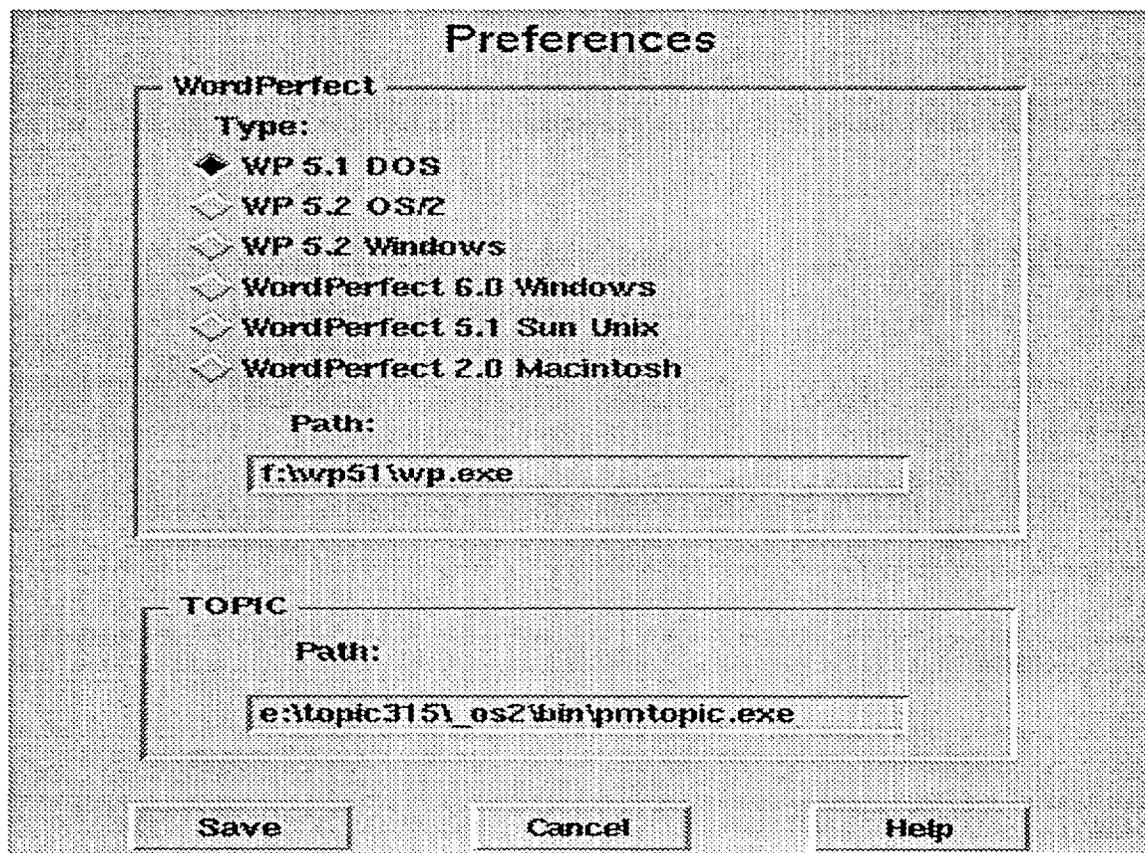


Figure 8-3. Regulatory Program Database preferences screen

8.4 MAIN MENU—SEARCH ENTRY

The RPD provides powerful and easy-to-use facilities for identifying and viewing regulatory program records. The TOPIC full-text search and retrieval software is used to permit you to find regulatory program records by searching for specific words or phrases in: (i) the text of the document, or (ii) certain document header fields, such as the individual review plan number or title. For further information about how to use the *Search* entry in the menu bar of the *RPD Main Menu*, see Section 5.4.

8.5 MAIN MENU—CUSTODIAN ENTRY

The database administrator has permissions and authorities that permit maintenance of RPD records. The record maintenance capabilities available through the *Custodian* pull-down from the *RPD Main Menu* include defining, checking in, and retiring RPD records. These functions are fully described in Chapter 7.

8.5.1 Define New Regulatory Program Database Records

The RPD provides facilities for defining new records in the RPD by entering header information, such as the title and review plan number. For further information about how to use the *Define RPD Record* entry in the *Custodian* pull-down from the *RPD Main Menu*, see Section 7.5.

8.5.2 Check In for Regulatory Program Database Records

The RPD provides facilities for checking in new and updated records. For further information about how to use the *Checkin RPD Record* entry in the cascading menu associated with the *Checkin* entry in the *Custodian* pull-down from the *RPD Main Menu*, see Section 7.6.

8.5.3 Format Check for Regulatory Program Database Records

The RPD provides facilities for format checking new and updated records prior to submitting them to the check in process. For further information about how to use the *Eormat Check* entry in the cascading menu associated with the *Checkin* entry in the *Custodian* pull-down from the *RPD Main Menu*, see Section 7.7.

8.5.4 Retire Regulatory Program Database Records

The RPD provides facilities for retiring RPD records. For further information about how to use the *Retire RPD Record* entry in the *Custodian* pull-down from the *RPD Main Menu*, see Section 7.8.

8.6 MAIN MENU—REPORT ENTRY

The availability of reports depends upon the authority and permissions of the individual user. Reports that are authorized for a particular user will appear on the *Report* menu. Thus, the restriction of certain reports is transparent to those users not authorized to access them. The database administrator has unique reporting capabilities (Figure 8-4).

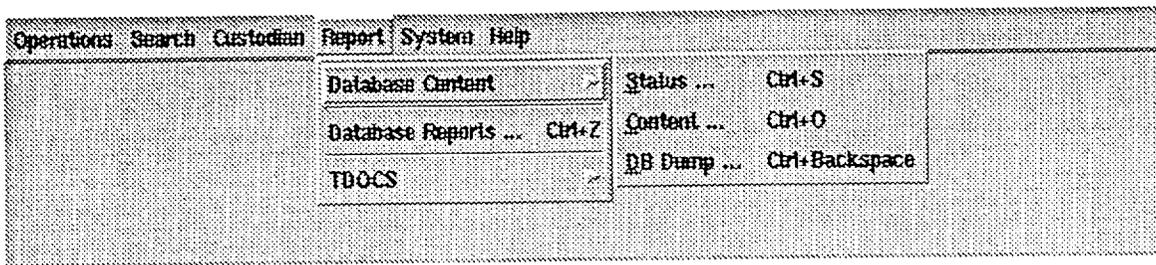


Figure 8-4. Database content reports for database administrator users

Reports in the RPD are grouped into two general categories: (i) database content reports, and (ii) database reports. When you select *Report* from the menu bar of the *RPD Main Menu*, a pull-down menu will appear that permits you to select either *Database Content* or *Database Reports*.

8.6.1 Available Database Content Reports for Database Administrators

Database content reports available to database administrators include the RPD Status Report, the RPD Content Report, and the Database Dump Report. The RPD Database Dump Report contains a listing of all records in the database along with pertinent diagnostic information of use to the database administrator.

For further information on how to select and print database content reports, see Sections 4.11.1 and 4.11.2.

8.6.2 Selecting, Displaying, and Printing Database Reports

Production of database reports is supported by the RPD generalized report writer. This facility permits selection of a wide variety of information and report formatting.

Several database reports are currently available to database administrators including the KTU Topic Report, the KTU Report, and the LARP. More reports will be available in the future. These will automatically be added to the database *Reports* menu. For further information about the report writer and how to select, view, and print database reports, see Section 4.11.3.

8.7 MAIN MENU—SYSTEM ENTRY

The *System* main menu entry permits the database administrator to perform maintenance on the list of authorized users of the system. This facility permits users to be added, deleted, or changed.

8.7.1 Adding a New User-ID

To add an RPD User-ID:

1. Select *System* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu that contains the *User IDs* entry (Figure 8-5).

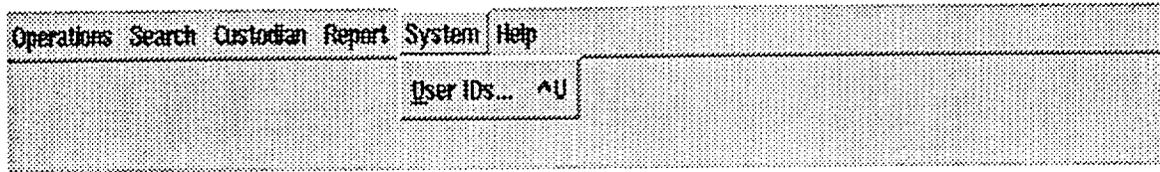


Figure 8-5. Regulatory Program Database system pull-down menu

2. Select the *User IDs* entry in the *System* pull-down menu. The *User ID Maintenance* screen (Figure 8-6) will appear.
3. Enter the User-ID in the *User ID* entry field.
4. Enter the password in the *Password* entry field. The password that you enter in this field will be the initial password for the user.
5. Select the desired privilege from the *Privilege* drop-down list.
6. Visually review the information you have entered and make corrections, if necessary. When all of the information is correct, select the *Add* push-button at the bottom of the *User ID Maintenance* screen to add the new User-ID.
7. To exit from the *User ID Maintenance* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Add* push-button, any information that you have entered will be discarded and the new User-ID will not be added.

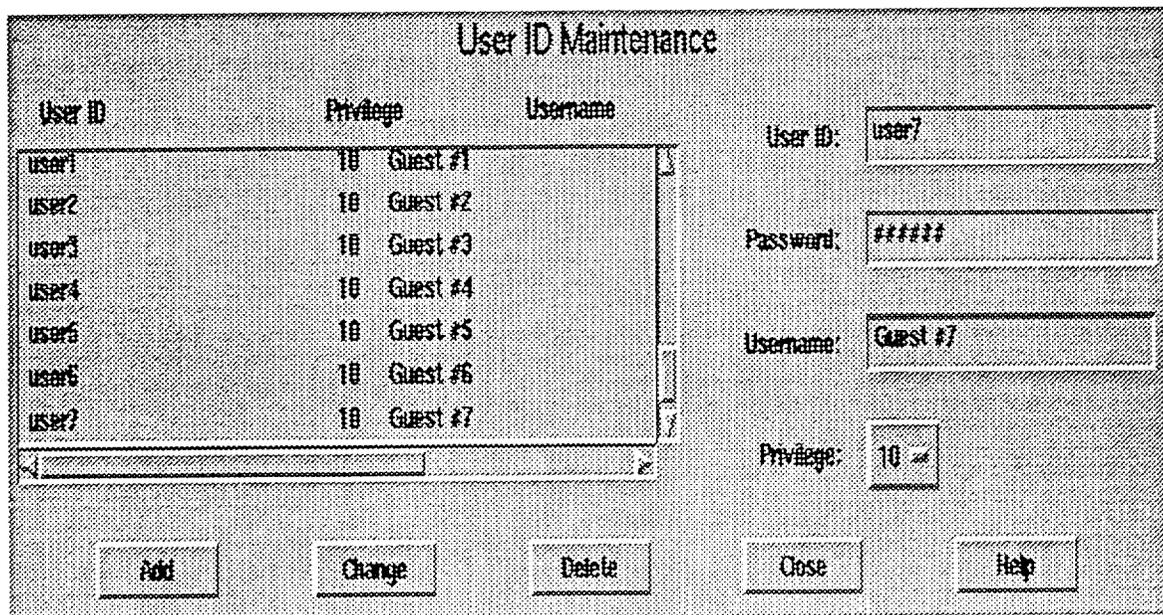


Figure 8-6. Regulatory Program Database User ID maintenance screen

8.7.2 Deleting a User-ID

To delete an RPD User-ID:

1. Select *System* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu that contains the *User IDs* entry.
2. Select the *User IDs* entry in the *System* pull-down menu. The *User ID Maintenance* screen (Figure 8-6) will appear.
3. Select the User-ID to be deleted from the scrollable list view of User-IDs and privileges.
4. Visually review the User-ID that you have selected and select a different User-ID if necessary. When the correct User-ID has been selected, select the *Delete* push-button at the bottom of the *User ID Maintenance* screen to delete the User-ID.
5. To exit from the *User ID Maintenance* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Delete* push-button, the User-ID that you were going to delete will remain valid.

8.7.3 Changing User Privileges

The following steps are required to change the privileges of an RPD User-ID:

1. Select *System* from the menu bar of the *RPD Main Menu*. The system will display a pull-down menu that contains the *User IDs* entry.
2. Select the *User IDs* entry in the *System* pull-down menu. The *User ID Maintenance* screen (Figure 8-6) will appear.
3. Select the User-ID for which permissions are to be changed from the scrollable list of User-IDs and permissions.
4. Visually review the User-ID that you have selected, and select a different User-ID if necessary.
5. When the correct User-ID has been selected, if a new password is required, enter the new password in the *Password* entry field.
6. Select the desired privileges from the *Privilege* drop-down lists.
7. Select the *Change* push-button at the bottom of the *User ID Maintenance* screen to change the user's privileges.
8. To exit from the *User ID Maintenance* screen, select the *Close* push-button at the bottom of the screen. If you exit before selecting the *Change* push-button, the privileges and password for the User-ID that you selected will not be changed.

8.8 MAIN MENU—HELP ENTRY

For information about how to use the help facility, see Section 4.12.

9 REFERENCES

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- DeWispelare, A., J. Cooper, R. Johnson, and R. Marshall. 1992. *Review and Analysis of the PASS/PADB System for Systematic Regulatory Analysis*. CNWRA 92-027. San Antonio, TX: Center for Nuclear Waste Regulatory Analyses.
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- IBM Corporation. 1992. *Object-Oriented Interface Design IBM Common User Access™ Guidelines*. First Edition. Carmel, IN: QUE Corporation.
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APPENDIX A
SAMPLE REPORT FORMATS

SAMPLE REPORT FORMATS

RPD STATUS REPORT—The Regulatory Program Database (RPD) Status Report contains the individual review plan number, title, type of document, version, and status for all active regulatory program records in the RPD, as well as those records that have been defined but not loaded.

NOTE: When records were first entered into the database in the vacant status, no case-specific format was specified for the titles. When the current versions of the Compliance Determination Strategies (CDSs) were entered, the format of all upper case was utilized for titles; therefore, a mixture of case is present for the review plan titles.

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
1.1	GENERAL DESCRIPTION OF THE FACILITY	CDS	0.1	24 MAR 94	ACTIVE
1.2	BASIS FOR LICENSING AUTHORITY	CDS	0.1	24 MAR 94	ACTIVE
1.3	SCHEDULES	CDS	0.1	24 MAR 94	ACTIVE
1.4	CERTIFICATION OF SAFEGUARDS	CDS	0.1	24 MAR 94	ACTIVE
1.5	PHYSICAL SECURITY PLAN	CDS	0.1	24 MAR 94	ACTIVE
1.6.1	SITE CHARACTERIZATION WORK CONDUCTED	CDS	0.1	24 MAR 94	ACTIVE
1.6.2	STATUS OF DOE RESOLUTION OF NRC OBJECTIONS	CDS	0.1	24 MAR 94	ACTIVE
1.7	STATEMENT OF COMPLIANCE WITH THE PERFORMANCE OBJECTIVES OF 10 CFR PART 60 AND SUMMARY OF PERFORMANCE ASSESSMENT RESULTS	CDS	0.1	24 MAR 94	ACTIVE
2.1	IDENTIFICATION OF AGENTS AND CONTRACTORS	CDS	0.1	24 MAR 94	ACTIVE
2.2	MATERIAL INCORPORATED BY REFERENCE	CDS	0.1	24 MAR 94	ACTIVE
2.3	USE OF NRC STAFF TECHNICAL POSITIONS	CDS	0.1	24 MAR 94	ACTIVE
2.4	REQUIREMENTS FOR FURTHER TECHNICAL INFORMATION	CDS	0.1	24 MAR 94	ACTIVE
2.5	RADIOACTIVE MATERIAL	CDS	0.1	24 MAR 94	ACTIVE
2.6	LICENSE SPECIFICATIONS	CDS	0.1	24 MAR 94	ACTIVE
2.7	NUCLEAR MATERIAL CONTROL	CDS	0.1	24 MAR 94	ACTIVE
3.1.1	DESCRIPTION OF INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOLOGIC SYSTEM	CDS	0.1	24 MAR 94	ACTIVE
3.1.2	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: HYDROLOGIC SYSTEM	CDS	0.1	24 MAR 94	ACTIVE
3.1.3	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOCHEMICAL SYSTEM	CDS	0.1	24 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.1.4	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.1	24 MAR 94	ACTIVE
3.1.5	INTEGRATED NATURAL RESPONSE TO THE MAXIMUM DESIGN THERMAL LOAD	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.1	Nature and Rates of Physical Processes	CDS	0.0	30 SEP 93	VACANT
3.2.1.2	FAVORABLE CONDITIONS: MINIMUM WASTE EMPLACEMENT DEPTH	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.3	FAVORABLE CONDITIONS: LOW POPULATION DENSITY	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.4	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF DISSOLUTION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.5	POTENTIALLY ADVERSE CONDITIONS: STRUCTURAL DEFORMATION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.6	POTENTIALLY ADVERSE CONDITIONS: HISTORICAL EARTHQUAKES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.7	POTENTIALLY ADVERSE CONDITIONS: CORRELATION OF EARTHQUAKES WITH TECTONIC PROCESSES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.8	POTENTIALLY ADVERSE CONDITIONS: OCCURRENCE OF MORE-FREQUENT/HIGHER-MAGNITUDE EARTHQUAKES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.9	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF IGNEOUS ACTIVITY	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.10	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF EXTREME EROSION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.11	POTENTIALLY ADVERSE CONDITIONS: PRESENCE OF NATURALLY OCCURRING MATERIALS	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.12	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF SUBSURFACE MINING	CDS	0.1	25 MAR 94	ACTIVE
3.2.1.13	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF DRILLING	CDS	0.1	24 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.1.14	POTENTIALLY ADVERSE CONDITIONS: GEOMECHANICAL PROPERTIES	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.1	FAVORABLE CONDITION: NATURE AND RATE OF HYDROGEOLOGIC PROCESSES	CDS	0.0	25 OCT 93	ACTIVE
3.2.2.2	FAVORABLE CONDITIONS: SATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.3	FAVORABLE CONDITIONS: GROUNDWATER TRAVEL TIME SUBSTANTIALLY EXCEEDING 1000 YEARS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.4	FAVORABLE CONDITIONS: UNSATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.5	POTENTIALLY ADVERSE CONDITIONS: FLOODING	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.6	POTENTIALLY ADVERSE CONDITIONS: HUMAN ACTIVITY AFFECTING GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.7	POTENTIALLY ADVERSE CONDITIONS: NATURAL PHENOMENA AND GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.8	POTENTIALLY ADVERSE CONDITIONS: STRUCTURAL DEFORMATION AND GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.9	POTENTIALLY ADVERSE CONDITIONS: CHANGES IN HYDROLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.10	POTENTIALLY ADVERSE CONDITIONS: COMPLEX ENGINEERING MEASURES	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.11	POTENTIALLY ADVERSE CONDITIONS: POTENTIAL FOR UNSATURATED ZONE SATURATION	CDS	0.1	25 MAR 94	ACTIVE
3.2.2.12	POTENTIALLY ADVERSE CONDITIONS: PERCHED WATER BODIES	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.1	FAVORABLE CONDITION: NATURE AND RATES OF GEOCHEMICAL PROCESSES	CDS	0.0	26 OCT 93	ACTIVE
3.2.3.2	FAVORABLE CONDITIONS: GEOCHEMICAL CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.3	FAVORABLE CONDITIONS: MINERAL ASSEMBLAGES	CDS	0.1	24 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.3.4	POTENTIALLY ADVERSE CONDITIONS: GROUNDWATER CONDITIONS AND THE ENGINEERED BARRIER SYSTEM	CDS	0.0	25 MAR 94	ACTIVE
3.2.3.5	POTENTIALLY ADVERSE CONDITIONS: GEOCHEMICAL PROCESSES	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.8	POTENTIALLY ADVERSE CONDITIONS: NOT REDUCING GROUNDWATER CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.7	POTENTIALLY ADVERSE CONDITIONS: GASEOUS RADIONUCLIDE MOVEMENT	CDS	0.1	24 MAR 94	ACTIVE
3.2.4.1	INDIVIDUAL FAVORABLE CONDITION: ANNUAL POTENTIAL EVAPOTRANSPIRATION	CDS	0.1	24 MAR 94	ACTIVE
3.2.4.2	POTENTIALLY ADVERSE CONDITION: CHANGES TO HYDROLOGIC SYSTEM FROM CLIMATE	CDS	0.1	24 MAR 94	ACTIVE
3.2.5	ASSESSMENT OF COMPLIANCE WITH CRITERIA FOR INTEGRATED ANALYSES OF FAVORABLE CONDITIONS AND POTENTIALLY ADVERSE CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.6	Assessment of Compliance with Criteria for the Controlled Use Area	CDS	0.0	30 SEP 93	VACANT
3.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER TRAVEL TIME PERFORMANCE OBJECTIVE	CDS	0.1	24 MAR 94	ACTIVE
3.4	EFFECTIVENESS OF NATURAL BARRIERS AGAINST RELEASE OF RADIOACTIVE MATERIAL TO THE ACCESSIBLE ENVIRONMENT	CDS	0.0	27 OCT 93	ACTIVE
4.1.1	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SURFACE FACILITIES	CDS	0.1	24 MAR 94	ACTIVE
4.1.2	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SHAFTS AND RAMPS	CDS	0.1	24 MAR 94	ACTIVE
4.1.3	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: UNDERGROUND FACILITY	CDS	0.1	24 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
4.1.4	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: RADIATION PROTECTION SYSTEMS	CDS	0.1	24 MAR 94	ACTIVE
4.1.5	INTERFACES BETWEEN STRUCTURES, SYSTEMS, AND COMPONENTS	CDS	0.1	24 MAR 94	ACTIVE
4.2	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SURFACE FACILITIES	CDS	0.1	24 MAR 94	ACTIVE
4.3	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SHAFTS AND RAMPS	CDS	0.1	24 MAR 94	ACTIVE
4.4	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR THE UNDERGROUND FACILITY	CDS	0.1	24 MAR 94	ACTIVE
4.5.1	ASSESSMENT OF INTEGRATED GROA COMPLIANCE WITH THE PERFORMANCE OBJECTIVES: PROTECTION AGAINST RADIATION EXPOSURES AND RELEASES OF RADIOACTIVE MATERIAL TO UNRESTRICTED AREAS	CDS	0.1	24 MAR 94	ACTIVE
4.5.2	ASSESSMENT OF INTEGRATED GROA COMPLIANCE WITH THE PERFORMANCE OBJECTIVES: RETRIEVABILITY OF WASTE	CDS	0.1	24 MAR 94	ACTIVE
5.1	DESCRIPTION OF ENGINEERED SYSTEMS AND COMPONENTS THAT PROVIDE A BARRIER BETWEEN THE WASTE AND THE GEOLOGIC SETTING	CDS	0.1	25 MAR 94	ACTIVE
5.2	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE WASTE PACKAGE AND ITS COMPONENTS	CDS	0.1	25 MAR 94	ACTIVE
5.3	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE POST-CLOSURE FEATURES OF THE UNDERGROUND FACILITY	CDS	0.1	25 MAR 94	ACTIVE
5.4	ASSESSMENT OF THE ENGINEERED BARRIER SYSTEM COMPLIANCE WITH THE PERFORMANCE OBJECTIVES	CDS	0.1	25 MAR 94	ACTIVE
5.5	RADIATION PROTECTION FOR ENGINEERED BARRIER SYSTEMS	CDS	0.1	25 MAR 94	ACTIVE
6.1	ASSESSMENT OF COMPLIANCE WITH THE REQUIREMENT FOR CUMULATIVE RELEASES OF RADIOACTIVE MATERIALS	CDS	0.1	25 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
6.2	ASSESSMENT OF COMPLIANCE WITH THE INDIVIDUAL PROTECTION REQUIREMENTS	CDS	0.1	25 MAR 94	ACTIVE
6.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER PROTECTION REQUIREMENTS	CDS	0.1	25 MAR 94	ACTIVE
7.1	PLANS FOR CONDUCT OF NORMAL ACTIVITIES	CDS	0.1	25 MAR 94	ACTIVE
7.2	DESCRIPTION OF RADIATION PROTECTION PROGRAM	CDS	0.1	25 MAR 94	ACTIVE
7.3	ORGANIZATIONAL STRUCTURE, MANAGEMENT, AND ADMINISTRATIVE CONTROLS	CDS	0.1	25 MAR 94	ACTIVE
7.4	PROCEDURE DEVELOPMENT	CDS	0.1	25 MAR 94	ACTIVE
7.5	RECORDS AND REPORTS	CDS	0.1	25 MAR 94	ACTIVE
7.6	TRAINING PROGRAMS	CDS	0.1	25 MAR 94	ACTIVE
7.7	SCHEDULES FOR OPERATIONS	CDS	0.1	25 MAR 94	ACTIVE
7.8	IDENTIFICATION OF OPERATING CONTROLS AND LIMITS	CDS	0.1	25 MAR 94	ACTIVE
7.9	PRESERVATION OF RECORDS	CDS	0.1	25 MAR 94	ACTIVE
7.10	SITE MARKERS	CDS	0.1	25 MAR 94	ACTIVE
8.1.1	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING GEOLOGIC SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.2	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- HYDROLOGIC SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.3	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- GEOCHEMICAL SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.4	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.1	25 MAR 94	ACTIVE
8.2	PERFORMANCE CONFIRMATION PROGRAM FOR THE STRUCTURES, SYSTEMS, AND COMPONENTS OF THE GEOLOGIC REPOSITORY OPERATIONS AREA	CDS	0.1	25 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
8.3	PERFORMANCE CONFIRMATION PROGRAM FOR THE ENGINEERED BARRIER SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.4	RADIATION PROTECTION DURING PERFORMANCE CONFIRMATION	CDS	0.1	25 MAR 94	ACTIVE
8.6	Unresolved Safety Questions	CDS	0.0	30 SEP 93	VACANT
9.0	LAND OWNERSHIP AND CONTROL AND WATER RIGHTS	CDS	0.1	25 MAR 94	ACTIVE
10.0	QUALITY ASSURANCE	CDS	0.1	25 MAR 94	ACTIVE
11.0	EMERGENCY PLANNING	CDS	0.0	30 SEP 93	VACANT

98 CDS Records
 0 CDM Records
 0 RPS Records

RPD CONTENT REPORT – The RPD Content Report contains the individual review plan number, title, type of document, version, and status for all regulatory program records in the RPD, including vacant records (those that have been defined but not loaded), active records (records that contain current information), archived records (those that have been superseded by more recent versions), and retired records (those that have been deleted from the active database).

NOTE: When records were first entered into the database in the vacant status, no case-specific format was specified for the titles. When the current versions of the CDSs were entered, the format of all upper case was utilized for titles; therefore, a mixture of case is present for the review plan titles.

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
1.1	GENERAL DESCRIPTION OF THE FACILITY	CDS	0.1	24 MAR 94	ACTIVE
1.1	GENERAL FACILITY DESCRIPTION	CDS	0.0	24 OCT 93	ARCHIVED
1.1	General Description of the Facility	CDS	0.0	30 SEP 93	ARCHIVED
1.2	BASIS FOR LICENSING AUTHORITY	CDS	0.1	24 MAR 94	ACTIVE
1.2	BASIS FOR LICENSING AUTHORITY	CDS	0.0	24 OCT 93	ARCHIVED
1.2	Basis for Licensing Authority	CDS	0.0	30 SEP 93	ARCHIVED
1.3	SCHEDULES	CDS	0.1	24 MAR 94	ACTIVE
1.3	SCHEDULES	CDS	0.0	25 OCT 93	ARCHIVED
1.3	Schedules	CDS	0.0	30 SEP 93	ARCHIVED
1.4	CERTIFICATION OF SAFEGUARDS	CDS	0.1	24 MAR 94	ACTIVE
1.4	CERTIFICATION OF SAFEGUARDS	CDS	0.0	25 OCT 93	ARCHIVED
1.4	Certification of Safeguards	CDS	0.0	30 SEP 93	ARCHIVED
1.5	PHYSICAL SECURITY PLAN	CDS	0.1	24 MAR 94	ACTIVE
1.5	PHYSICAL SECURITY PLAN	CDS	0.0	25 OCT 93	ARCHIVED
1.5	Physical Security Plan	CDS	0.0	30 SEP 93	ARCHIVED
1.6.1	SITE CHARACTERIZATION WORK CONDUCTED	CDS	0.1	24 MAR 94	ACTIVE
1.6.1	SITE CHARACTERIZATION WORK CONDUCTED	CDS	0.0	25 OCT 93	ARCHIVED
1.6.1	Site Characterization Work Conducted	CDS	0.0	30 SEP 93	ARCHIVED
1.6.2	STATUS OF DOE RESOLUTION OF NRC OBJECTIONS	CDS	0.1	24 MAR 94	ACTIVE
1.6.2	STATUS OF DOE RESOLUTION OF NRC OBJECTIONS	CDS	0.0	25 OCT 93	ARCHIVED
1.6.2	Status of DOE Resolution of NRC Objections	CDS	0.0	30 SEP 93	ARCHIVED
1.7	STATEMENT OF COMPLIANCE WITH THE PERFORMANCE OBJECTIVES OF 10 CFR PART 60 AND SUMMARY OF PERFORMANCE ASSESSMENT RESULTS	CDS	0.1	24 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
1.7	STATEMENT OF COMPLIANCE WITH THE PERFORMANCE OBJECTIVES OF 10 CFR PART 60 AND SUMMARY OF PERFORMANCE ASSESSMENT RESULTS	CDS	0.0	25 OCT 93	ARCHIVED
1.7	Statement of Compliance with the Performance Objectives of 10 CFR Part 60 and Summary of Performance Assessment Results	CDS	0.0	30 SEP 93	ARCHIVED
2.1	IDENTIFICATION OF AGENTS AND CONTRACTORS	CDS	0.1	24 MAR 94	ACTIVE
2.1	IDENTIFICATION OF AGENTS AND CONTRACTORS	CDS	0.0	25 OCT 93	ARCHIVED
2.1	Identification of Agents and Contractors	CDS	0.0	30 SEP 93	ARCHIVED
2.2	MATERIAL INCORPORATED BY REFERENCE	CDS	0.1	24 MAR 94	ACTIVE
2.2	MATERIAL INCORPORATED BY REFERENCE	CDS	0.0	25 OCT 93	ARCHIVED
2.2	Material Incorporated by Reference	CDS	0.0	30 SEP 93	ARCHIVED
2.3	USE OF NRC STAFF TECHNICAL POSITIONS	CDS	0.1	24 MAR 94	ACTIVE
2.3	USE OF NRC STAFF TECHNICAL POSITIONS	CDS	0.0	25 OCT 93	ARCHIVED
2.3	Use of NRC Staff Technical Positions	CDS	0.0	30 SEP 93	ARCHIVED
2.4	REQUIREMENTS FOR FURTHER TECHNICAL INFORMATION	CDS	0.1	24 MAR 94	ACTIVE
2.4	REQUIREMENTS FOR FURTHER TECHNICAL INFORMATION	CDS	0.0	25 OCT 93	ARCHIVED
2.4	Requirements for Further Technical Information	CDS	0.0	30 SEP 93	ARCHIVED
2.5	RADIOACTIVE MATERIAL	CDS	0.1	24 MAR 94	ACTIVE
2.5	RADIOACTIVE MATERIAL DESCRIPTION	CDS	0.0	25 OCT 93	ARCHIVED
2.5	Radioactive Material	CDS	0.0	30 SEP 93	ARCHIVED
2.8	LICENSE SPECIFICATIONS	CDS	0.1	24 MAR 94	ACTIVE
2.8	LICENSE SPECIFICATIONS	CDS	0.0	25 OCT 93	ARCHIVED
2.8	License Specifications	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
2.7	NUCLEAR MATERIAL CONTROL	CDS	0.1	24 MAR 94	ACTIVE
2.7	NUCLEAR MATERIAL CONTROL	CDS	0.0	25 OCT 93	ARCHIVED
2.7	Nuclear Material Control	CDS	0.0	30 SEP 93	ARCHIVED
3.1.1	DESCRIPTION OF INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOLOGIC SYSTEM	CDS	0.1	24 MAR 94	ACTIVE
3.1.1	DESCRIPTION OF INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOLOGIC SYSTEM	CDS	0.0	25 OCT 93	ARCHIVED
3.1.1	Geologic System	CDS	0.0	30 SEP 93	ARCHIVED
3.1.2	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: HYDROLOGIC SYSTEM	CDS	0.1	24 MAR 94	ACTIVE
3.1.2	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: HYDROLOGIC SYSTEM	CDS	0.0	25 OCT 93	ARCHIVED
3.1.2	Hydrologic System	CDS	0.0	30 SEP 93	ARCHIVED
3.1.3	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOCHEMICAL SYSTEM	CDS	0.1	24 MAR 94	ACTIVE
3.1.3	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: GEOCHEMICAL SYSTEM	CDS	0.0	25 OCT 93	ARCHIVED
3.1.3	Geochemical System	CDS	0.0	30 SEP 93	ARCHIVED
3.1.4	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.1	24 MAR 94	ACTIVE
3.1.4	DESCRIPTION OF THE INDIVIDUAL SYSTEMS AND CHARACTERISTICS OF THE SITE: CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.0	25 OCT 93	ARCHIVED
3.1.4	Climatological and Meteorological Systems	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.1.5	INTEGRATED NATURAL RESPONSE TO THE MAXIMUM DESIGN THERMAL LOAD	CDS	0.1	24 MAR 94	ACTIVE
3.1.5	INTEGRATED NATURAL RESPONSE TO THE MAXIMUM DESIGN THERMAL LOAD	CDS	0.0	25 OCT 93	ARCHIVED
3.1.5	Integrated Natural System Response to the Maximum Design Thermal Loading	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.1	Nature and Rates of Physical Processes	CDS	0.0	30 SEP 93	VACANT
3.2.1.2	FAVORABLE CONDITIONS: MINIMUM WASTE EMPLACEMENT DEPTH	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.2	FAVORABLE CONDITION: MINIMUM WASTE EMPLACEMENT DEPTH	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.2	Minimum Waste Emplacement Depth	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.3	FAVORABLE CONDITIONS: LOW POPULATION DENSITY	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.3	FAVORABLE CONDITION: LOW POPULATION DENSITY	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.3	Low Population Density	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.4	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF DISSOLUTION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.4	EVIDENCE OF DISSOLUTION	CDS	0.0	28 OCT 93	ARCHIVED
3.2.1.4	Evidence of Dissolution	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.5	POTENTIALLY ADVERSE CONDITIONS: STRUCTURAL DEFORMATION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.5	POTENTIALLY ADVERSE CONDITION -- STRUCTURAL DEFORMATION [10 CFR 60.122(e)(11)]	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.5	Structural Deformation	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.6	POTENTIALLY ADVERSE CONDITIONS: HISTORICAL EARTHQUAKES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.6	POTENTIALLY ADVERSE CONDITION -- HISTORICAL EARTHQUAKES [10 CFR 60.122(e)(12)].	CDS	0.0	25 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.1.6	Historic Earthquakes	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.7	POTENTIALLY ADVERSE CONDITIONS: CORRELATION OF EARTHQUAKES WITH TECTONIC PROCESSES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.7	POTENTIALLY ADVERSE CONDITION: CORRELATION OF EARTHQUAKES WITH TECTONIC PROCESSES	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.7	Correlation of Earthquakes with Tectonic Processes	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.8	POTENTIALLY ADVERSE CONDITIONS: OCCURRENCE OF MORE-FREQUENT/HIGHER-MAGNITUDE EARTHQUAKES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.8	POTENTIALLY ADVERSE CONDITION: OCCURRENCE OF MORE-FREQUENT/HIGHER-MAGNITUDE EARTHQUAKES	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.8	Increasing Earthquake Frequency/Magnitude	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.9	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF IGNEOUS ACTIVITY	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.9	POTENTIALLY ADVERSE CONDITION: EVIDENCE OF IGNEOUS ACTIVITY (SINCE START OF THE QUATERNARY PERIOD)	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.9	Evidence of Igneous Activity	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.10	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF EXTREME EROSION	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.10	POTENTIALLY ADVERSE CONDITION: EVIDENCE OF EXTREME EROSION	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.10	Evidence of Extreme Erosion	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.11	POTENTIALLY ADVERSE CONDITIONS: PRESENCE OF NATURALLY OCCURRING MATERIALS	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.11	POTENTIALLY ADVERSE CONDITION -- PRESENCE OF NATURALLY OCCURRING MATERIALS [10 CFR 60.122(c)(17)]	CDS	0.0	25 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.1.11	Presence of Naturally Occurring Materials	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.12	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF SUBSURFACE MINING	CDS	0.1	25 MAR 94	ACTIVE
3.2.1.12	POTENTIALLY ADVERSE CONDITION -- EVIDENCE OF MINING FOR RESOURCES [10 CFR 60.122(e)(18)]	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.12	Evidence of Subsurface Mining	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.13	POTENTIALLY ADVERSE CONDITIONS: EVIDENCE OF DRILLING	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.13	POTENTIALLY ADVERSE CONDITION -- EVIDENCE OF DRILLING [10 CFR 60.122(e)(19)]	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.13	Evidence of Drilling	CDS	0.0	30 SEP 93	ARCHIVED
3.2.1.14	POTENTIALLY ADVERSE CONDITIONS: GEOMECHANICAL PROPERTIES	CDS	0.1	24 MAR 94	ACTIVE
3.2.1.14	POTENTIALLY ADVERSE CONDITION: GEOMECHANICAL PROPERTIES	CDS	0.0	25 OCT 93	ARCHIVED
3.2.1.14	Geomechanical Properties	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.1	FAVORABLE CONDITION: NATURE AND RATE OF HYDROGEOLOGIC PROCESSES	CDS	0.0	25 OCT 93	ACTIVE
3.2.2.1	Nature and Rate of Hydrogeologic Processes	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.2	FAVORABLE CONDITIONS: SATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.2	FAVORABLE CONDITION: SATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.0	25 OCT 93	ARCHIVED
3.2.2.2	Saturated Zone Hydrogeologic Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.3	FAVORABLE CONDITIONS: GROUNDWATER TRAVEL TIME SUBSTANTIALLY EXCEEDING 1000 YEARS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.3	FAVORABLE CONDITION: GROUNDWATER TRAVEL TIME SUBSTANTIALLY EXCEEDING 1000 YEARS	CDS	0.0	25 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.2.3	Groundwater Travel Time Substantially Exceeding 1000 years	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.4	FAVORABLE CONDITIONS: UNSATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.4	FAVORABLE CONDITION: UNSATURATED ZONE HYDROGEOLOGIC CONDITIONS	CDS	0.0	25 OCT 93	ARCHIVED
3.2.2.4	Unsaturated Zone Hydrogeologic Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.5	POTENTIALLY ADVERSE CONDITIONS: FLOODING	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.5	POTENTIALLY ADVERSE CONDITION -- FLOODING [10 CFR 60.122(c)(1)]	CDS	0.0	25 OCT 93	ARCHIVED
3.2.2.5	Flooding	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.6	POTENTIALLY ADVERSE CONDITIONS: HUMAN ACTIVITY AFFECTING GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.6	POTENTIALLY ADVERSE CONDITION: HUMAN ACTIVITY AFFECTING GROUNDWATER	CDS	0.0	28 OCT 93	ARCHIVED
3.2.2.6	Human Activity and Groundwater	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.7	POTENTIALLY ADVERSE CONDITIONS: NATURAL PHENOMENA AND GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.7	POTENTIALLY ADVERSE CONDITION: NATURALLY PRODUCED SURFACE WATER IMPOUNDMENTS	CDS	0.0	28 OCT 93	ARCHIVED
3.2.2.7	Natural Phenomena and Groundwater	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.8	POTENTIALLY ADVERSE CONDITIONS: STRUCTURAL DEFORMATION AND GROUNDWATER	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.8	POTENTIALLY ADVERSE CONDITION: STRUCTURAL DEFORMATION AND GROUNDWATER	CDS	0.0	25 OCT 93	ARCHIVED
3.2.2.8	Structural Deformation and Groundwater	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.9	POTENTIALLY ADVERSE CONDITIONS: CHANGES IN HYDROLOGIC CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.9	POTENTIALLY ADVERSE CONDITION: CHANGES IN HYDROLOGIC CONDITIONS	CDS	0.0	25 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.2.9	Changes in Hydrologic Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.10	POTENTIALLY ADVERSE CONDITIONS: COMPLEX ENGINEERING MEASURES	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.10	POTENTIALLY ADVERSE CONDITIONS: COMPLEX ENGINEERING MEASURES	CDS	0.0	28 OCT 93	ARCHIVED
3.2.2.10	Complex Engineering Measures	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.11	POTENTIALLY ADVERSE CONDITIONS: POTENTIAL FOR UNSATURATED ZONE SATURATION	CDS	0.1	25 MAR 94	ACTIVE
3.2.2.11	POTENTIALLY ADVERSE CONDITION: POTENTIAL FOR THE WATER TABLE TO RISE AND INUNDATE A REPOSITORY	CDS	0.0	28 OCT 93	ARCHIVED
3.2.2.11	Potential for Unsaturated Zone Saturation	CDS	0.0	30 SEP 93	ARCHIVED
3.2.2.12	POTENTIALLY ADVERSE CONDITIONS: PERCHED WATER BODIES	CDS	0.1	24 MAR 94	ACTIVE
3.2.2.12	POTENTIALLY ADVERSE CONDITION: PERCHED WATER BODIES	CDS	0.0	28 OCT 93	ARCHIVED
3.2.2.12	Perched Water Bodies	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.1	FAVORABLE CONDITION: NATURE AND RATES OF GEOCHEMICAL PROCESSES	CDS	0.0	26 OCT 93	ACTIVE
3.2.3.1	Nature and Rates of Geochemical Processes	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.2	FAVORABLE CONDITIONS: GEOCHEMICAL CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.2	FAVORABLE CONDITION: GEOCHEMICAL CONDITIONS	CDS	0.0	26 OCT 93	ARCHIVED
3.2.3.2	Geochemical Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.3	FAVORABLE CONDITIONS: MINERAL ASSEMBLAGES	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.3	FAVORABLE CONDITION: MINERAL ASSEMBLAGES	CDS	0.0	26 OCT 93	ARCHIVED
3.2.3.3	Mineral Assemblages	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.3.4	POTENTIALLY ADVERSE CONDITIONS: GROUNDWATER CONDITIONS AND THE ENGINEERED BARRIER SYSTEM	CDS	0.0	25 MAR 94	ACTIVE
3.2.3.4	Groundwater Conditions and the Engineered Barrier System	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.5	POTENTIALLY ADVERSE CONDITIONS: GEOCHEMICAL PROCESSES	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.5	POTENTIALLY ADVERSE CONDITION: GEOCHEMICAL PROCESSES	CDS	0.0	26 OCT 93	ARCHIVED
3.2.3.5	Geochemical Processes	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.6	POTENTIALLY ADVERSE CONDITIONS: NOT REDUCING GROUNDWATER CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.6	POTENTIALLY ADVERSE CONDITION: GROUNDWATER CONDITIONS IN THE HOST ROCK THAT ARE NOT REDUCING	CDS	0.0	26 OCT 93	ARCHIVED
3.2.3.6	Not Reducing Groundwater Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.3.7	POTENTIALLY ADVERSE CONDITIONS: GASEOUS RADIONUCLIDE MOVEMENT	CDS	0.1	24 MAR 94	ACTIVE
3.2.3.7	POTENTIALLY ADVERSE CONDITION: GASEOUS RADIONUCLIDE MOVEMENT	CDS	0.0	26 OCT 93	ARCHIVED
3.2.3.7	Gaseous Radionuclide Movement	CDS	0.0	30 SEP 93	ARCHIVED
3.2.4.1	INDIVIDUAL FAVORABLE CONDITION: ANNUAL POTENTIAL EVAPOTRANSPIRATION	CDS	0.1	24 MAR 94	ACTIVE
3.2.4.1	FAVORABLE CONDITION: PRECIPITATION IS A SMALL PERCENTAGE OF EVAPOTRANSPIRATION	CDS	0.0	27 OCT 93	ARCHIVED
3.2.4.1	Annual Potential Evapotranspiration	CDS	0.0	30 SEP 93	ARCHIVED
3.2.4.2	POTENTIALLY ADVERSE CONDITION: CHANGES TO HYDROLOGIC SYSTEM FROM CLIMATE	CDS	0.1	24 MAR 94	ACTIVE
3.2.4.2	POTENTIALLY ADVERSE CONDITION: CHANGES TO HYDROLOGIC SYSTEM FROM CLIMATE	CDS	0.0	27 OCT 93	ARCHIVED
3.2.4.2	Changes to Hydrologic System from Climate	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
3.2.5	ASSESSMENT OF COMPLIANCE WITH CRITERIA FOR INTEGRATED ANALYSES OF FAVORABLE CONDITIONS AND POTENTIALLY ADVERSE CONDITIONS	CDS	0.1	24 MAR 94	ACTIVE
3.2.5	ASSESSMENT OF COMPLIANCE WITH CRITERIA FOR INTEGRATED ANALYSES OF FAVORABLE CONDITIONS AND POTENTIALLY ADVERSE CONDITIONS	CDS	0.0	27 OCT 93	ARCHIVED
3.2.5	Assessment of Compliance with Criteria for Combinations of Favorable Conditions and Potentially Adverse Conditions	CDS	0.0	30 SEP 93	ARCHIVED
3.2.8	Assessment of Compliance with Criteria for the Controlled Use Area	CDS	0.0	30 SEP 93	VACANT
3.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER TRAVEL TIME PERFORMANCE OBJECTIVE	CDS	0.1	24 MAR 94	ACTIVE
3.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER TRAVEL TIME PERFORMANCE OBJECTIVE	CDS	0.0	27 OCT 93	ARCHIVED
3.3	Assessment of Compliance with the Groundwater Travel Time Performance Objective	CDS	0.0	30 SEP 93	ARCHIVED
3.4	EFFECTIVENESS OF NATURAL BARRIERS AGAINST RELEASE OF RADIOACTIVE MATERIAL TO THE ACCESSIBLE ENVIRONMENT	CDS	0.0	27 OCT 93	ACTIVE
3.4	Effectiveness of Natural Barriers against the Release of Radioactive Material to the Environment	CDS	0.0	30 SEP 93	ARCHIVED
4.1.1	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SURFACE FACILITIES	CDS	0.1	24 MAR 94	ACTIVE
4.1.1	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SURFACE FACILITIES	CDS	0.0	27 OCT 93	ARCHIVED
4.1.1	Surface Facilities	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
4.1.2	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SHAFTS AND RAMPS	CDS	0.1	24 MAR 94	ACTIVE
4.1.2	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: SHAFTS AND RAMPS	CDS	0.0	27 OCT 93	ARCHIVED
4.1.2	Shafts and Ramps	CDS	0.0	30 SEP 93	ARCHIVED
4.1.3	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: UNDERGROUND FACILITY	CDS	0.1	24 MAR 94	ACTIVE
4.1.3	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: UNDERGROUND FACILITY	CDS	0.0	27 OCT 93	ARCHIVED
4.1.3	Underground Facility	CDS	0.0	30 SEP 93	ARCHIVED
4.1.4	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: RADIATION PROTECTION SYSTEMS	CDS	0.1	24 MAR 94	ACTIVE
4.1.4	DESCRIPTION OF THE GROA STRUCTURES, SYSTEMS, AND COMPONENTS: RADIATION PROTECTION SYSTEMS	CDS	0.0	27 OCT 93	ARCHIVED
4.1.4	Radiation Protection Systems	CDS	0.0	30 SEP 93	ARCHIVED
4.1.5	INTERFACES BETWEEN STRUCTURES, SYSTEMS, AND COMPONENTS	CDS	0.1	24 MAR 94	ACTIVE
4.1.5	INTERFACES AMONG STRUCTURES, SYSTEMS, AND COMPONENTS	CDS	0.0	27 OCT 93	ARCHIVED
4.1.5	Interfaces between Structures, Systems, and Components	CDS	0.0	30 SEP 93	ARCHIVED
4.2	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SURFACE FACILITIES	CDS	0.1	24 MAR 94	ACTIVE
4.2	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SURFACE FACILITIES	CDS	0.0	27 OCT 93	ARCHIVED
4.2	Assessment of Compliance with Design Criteria for Surface Facilities	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
4.3	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SHAFTS AND RAMPS	CDS	0.1	24 MAR 94	ACTIVE
4.3	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR SHAFTS AND RAMPS	CDS	0.0	28 OCT 93	ARCHIVED
4.3	Assessment of Compliance with Design Criteria for Shafts and Ramps	CDS	0.0	30 SEP 93	ARCHIVED
4.4	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR THE UNDERGROUND FACILITY	CDS	0.1	24 MAR 94	ACTIVE
4.4	ASSESSMENT OF COMPLIANCE WITH DESIGN CRITERIA FOR THE UNDERGROUND FACILITY	CDS	0.0	28 OCT 93	ARCHIVED
4.4	Assessment of Compliance with Design Criteria for the Underground Facility	CDS	0.0	30 SEP 93	ARCHIVED
4.5.1	ASSESSMENT OF INTEGRATED GROA COMPLIANCE WITH THE PERFORMANCE OBJECTIVES: PROTECTION AGAINST RADIATION EXPOSURES AND RELEASES OF RADIOACTIVE MATERIAL TO UNRESTRICTED AREAS	CDS	0.1	24 MAR 94	ACTIVE
4.5.1	PROTECTION AGAINST EXPOSURES AND RELEASES OF RADIOACTIVE MATERIAL TO INDIVIDUAL MEMBERS OF THE PUBLIC	CDS	0.0	28 OCT 93	ARCHIVED
4.5.1	Protection against Radiation Exposures and Releases of Radioactive Material to Unrestricted Areas	CDS	0.0	30 SEP 93	ARCHIVED
4.5.2	ASSESSMENT OF INTEGRATED GROA COMPLIANCE WITH THE PERFORMANCE OBJECTIVES: RETRIEVABILITY OF WASTE	CDS	0.1	24 MAR 94	ACTIVE
4.5.2	RETRIEVABILITY OF WASTE	CDS	0.0	28 OCT 93	ARCHIVED
4.5.2	Retrievability of Waste	CDS	0.0	30 SEP 93	ARCHIVED
5.1	DESCRIPTION OF ENGINEERED SYSTEMS AND COMPONENTS THAT PROVIDE A BARRIER BETWEEN THE WASTE AND THE GEOLOGIC SETTING	CDS	0.1	25 MAR 94	ACTIVE
5.1	DESCRIPTION OF ENGINEERED SYSTEMS AND COMPONENTS THAT PROVIDE A BARRIER BETWEEN THE WASTE AND THE GEOLOGIC SETTING	CDS	0.0	28 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
5.1	Description of Engineered Systems and Components that provide a Barrier between the Waste and the Geologic Setting	CDS	0.0	30 SEP 93	ARCHIVED
5.2	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE WASTE PACKAGE AND ITS COMPONENTS	CDS	0.1	25 MAR 94	ACTIVE
5.2	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE WASTE PACKAGE AND ITS COMPONENTS	CDS	0.0	28 OCT 93	ARCHIVED
5.2	Assessment of Compliance with the Design Criteria for the Waste Package and its Components	CDS	0.0	30 SEP 93	ARCHIVED
5.3	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE POST-CLOSURE FEATURES OF THE UNDERGROUND FACILITY	CDS	0.1	25 MAR 94	ACTIVE
5.3	ASSESSMENT OF COMPLIANCE WITH THE DESIGN CRITERIA FOR THE POST-CLOSURE FEATURES OF THE UNDERGROUND FACILITY	CDS	0.0	28 OCT 93	ARCHIVED
5.3	Assessment of Compliance with the Design Criteria for the Post-Closure Features of the Underground Facility	CDS	0.0	30 SEP 93	ARCHIVED
5.4	ASSESSMENT OF THE ENGINEERED BARRIER SYSTEM COMPLIANCE WITH THE PERFORMANCE OBJECTIVES	CDS	0.1	25 MAR 94	ACTIVE
5.4	ASSESSMENT OF COMPLIANCE WITH THE ENGINEERED BARRIER SYSTEM PERFORMANCE OBJECTIVES	CDS	0.0	28 OCT 93	ARCHIVED
5.4	Assessment of Compliance with the Engineered Barrier System Performance Objectives	CDS	0.0	30 SEP 93	ARCHIVED
5.5	RADIATION PROTECTION FOR ENGINEERED BARRIER SYSTEMS	CDS	0.1	25 MAR 94	ACTIVE
5.5	RADIATION PROTECTION FOR ENGINEERED BARRIER SYSTEMS	CDS	0.0	28 OCT 93	ARCHIVED
5.5	Radiation Protection for Engineered Barrier Systems	CDS	0.0	30 SEP 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
8.1	ASSESSMENT OF COMPLIANCE WITH THE REQUIREMENT FOR CUMULATIVE RELEASES OF RADIOACTIVE MATERIALS	CDS	0.1	25 MAR 94	ACTIVE
8.1	ASSESSMENT OF COMPLIANCE WITH THE REQUIREMENT FOR CUMULATIVE RELEASES OF RADIOACTIVE MATERIALS	CDS	0.0	28 OCT 93	ARCHIVED
8.1	Assessment of Compliance with the Requirement for Cumulative Releases of Radioactive Materials	CDS	0.0	30 SEP 93	ARCHIVED
8.2	ASSESSMENT OF COMPLIANCE WITH THE INDIVIDUAL PROTECTION REQUIREMENTS	CDS	0.1	25 MAR 94	ACTIVE
8.2	ASSESSMENT OF COMPLIANCE WITH THE INDIVIDUAL PROTECTION REQUIREMENTS	CDS	0.0	28 OCT 93	ARCHIVED
8.2	Assessment of Compliance with the Individual Protection Requirements	CDS	0.0	30 SEP 93	ARCHIVED
8.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER PROTECTION REQUIREMENTS	CDS	0.1	25 MAR 94	ACTIVE
8.3	ASSESSMENT OF COMPLIANCE WITH THE GROUNDWATER PROTECTION REQUIREMENTS	CDS	0.0	28 OCT 93	ARCHIVED
8.3	Assessment of Compliance with the Groundwater Protection Requirements	CDS	0.0	30 SEP 93	ARCHIVED
7.1	PLANS FOR CONDUCT OF NORMAL ACTIVITIES	CDS	0.1	25 MAR 94	ACTIVE
7.1	PLANS FOR THE CONDUCT OF NORMAL ACTIVITIES	CDS	0.0	28 OCT 93	ARCHIVED
7.1	Plans for Conduct of Normal Activities	CDS	0.0	30 SEP 93	ARCHIVED
7.2	DESCRIPTION OF RADIATION PROTECTION PROGRAM	CDS	0.1	25 MAR 94	ACTIVE
7.2	DESCRIPTION OF THE RADIATION PROTECTION PROGRAM	CDS	0.0	28 OCT 93	ARCHIVED
7.2	Description of Radiation Protection Program	CDS	0.0	30 SEP 93	ARCHIVED
7.3	ORGANIZATIONAL STRUCTURE, MANAGEMENT, AND ADMINISTRATIVE CONTROLS	CDS	0.1	25 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
7.3	ORGANIZATIONAL STRUCTURE, MANAGEMENT, AND ADMINISTRATIVE CONTROLS	CDS	0.0	28 OCT 93	ARCHIVED
7.3	Organizational Structure, Management, and Administrative Controls	CDS	0.0	30 SEP 93	ARCHIVED
7.4	PROCEDURE DEVELOPMENT	CDS	0.1	25 MAR 94	ACTIVE
7.4	PROCEDURE DEVELOPMENT	CDS	0.0	28 OCT 93	ARCHIVED
7.4	Procedure Development	CDS	0.0	30 SEP 93	ARCHIVED
7.5	RECORDS AND REPORTS	CDS	0.1	25 MAR 94	ACTIVE
7.5	RECORDS AND REPORTS	CDS	0.0	28 OCT 93	ARCHIVED
7.5	Records and Reports	CDS	0.0	30 SEP 93	ARCHIVED
7.6	TRAINING PROGRAMS	CDS	0.1	25 MAR 94	ACTIVE
7.6	TRAINING PROGRAMS	CDS	0.0	28 OCT 93	ARCHIVED
7.6	Training Programs	CDS	0.0	30 SEP 93	ARCHIVED
7.7	SCHEDULES FOR OPERATIONS	CDS	0.1	25 MAR 94	ACTIVE
7.7	SCHEDULES FOR OPERATIONS	CDS	0.0	28 OCT 93	ARCHIVED
7.7	Schedules for Operations	CDS	0.0	30 SEP 93	ARCHIVED
7.8	IDENTIFICATION OF OPERATING CONTROLS AND LIMITS	CDS	0.1	25 MAR 94	ACTIVE
7.8	IDENTIFICATION OF OPERATING CONTROLS AND LIMITS	CDS	0.0	28 OCT 93	ARCHIVED
7.8	Identification of Operating Controls and Limits	CDS	0.0	30 SEP 93	ARCHIVED
7.9	PRESERVATION OF RECORDS	CDS	0.1	25 MAR 94	ACTIVE
7.9	PRESERVATION OF RECORDS	CDS	0.0	28 OCT 93	ARCHIVED
7.9	Preservation of Records	CDS	0.0	30 SEP 93	ARCHIVED
7.10	SITE MARKERS	CDS	0.1	25 MAR 94	ACTIVE
7.10	SITE MARKERS	CDS	0.0	28 OCT 93	ARCHIVED

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
7.10	Site Markers	CDS	0.0	30 SEP 93	ARCHIVED
8.1.1	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING GEOLOGIC SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.1	PERFORMANCE CONFIRMATION FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING GEOLOGIC SYSTEM	CDS	0.0	28 OCT 93	ARCHIVED
8.1.1	Geologic System	CDS	0.0	30 SEP 93	ARCHIVED
8.1.2	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- HYDROLOGIC SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.2	PERFORMANCE CONFIRMATION FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- HYDROLOGIC SYSTEM	CDS	0.0	28 OCT 93	ARCHIVED
8.1.2	Hydrologic System	CDS	0.0	30 SEP 93	ARCHIVED
8.1.3	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- GEOCHEMICAL SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.1.3	PERFORMANCE CONFIRMATION FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- GEOCHEMICAL SYSTEM	CDS	0.0	28 OCT 93	ARCHIVED
8.1.3	Geochemical System	CDS	0.0	30 SEP 93	ARCHIVED
8.1.4	PERFORMANCE CONFIRMATION PROGRAM FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.1	25 MAR 94	ACTIVE
8.1.4	PERFORMANCE CONFIRMATION FOR THE NATURAL SYSTEMS OF THE GEOLOGIC SETTING -- CLIMATOLOGICAL AND METEOROLOGICAL SYSTEMS	CDS	0.0	28 OCT 93	ARCHIVED
8.1.4	Climatological and Meteorological Systems	CDS	0.0	30 SEP 93	ARCHIVED
8.2	PERFORMANCE CONFIRMATION PROGRAM FOR THE STRUCTURES, SYSTEMS, AND COMPONENTS OF THE GEOLOGIC REPOSITORY OPERATIONS AREA	CDS	0.1	25 MAR 94	ACTIVE

REV PLAN	TITLE OF DOCUMENT	TYPE	VERSION	DATE	STATUS
8.2	PERFORMANCE CONFIRMATION FOR STRUCTURES, SYSTEMS, AND COMPONENTS OF THE GEOLOGIC REPOSITORY OPERATIONS AREA	CDS	0.0	28 OCT 93	ARCHIVED
8.2	Performance Confirmation Program for Structures, Systems, and Components of the GROA	CDS	0.0	30 SEP 93	ARCHIVED
8.3	PERFORMANCE CONFIRMATION PROGRAM FOR THE ENGINEERED BARRIER SYSTEM	CDS	0.1	25 MAR 94	ACTIVE
8.3	PERFORMANCE CONFIRMATION FOR THE ENGINEERED BARRIER SYSTEM	CDS	0.0	28 OCT 93	ARCHIVED
8.3	Performance Confirmation for the Engineered Barrier Systems	CDS	0.0	30 SEP 93	ARCHIVED
8.4	RADIATION PROTECTION DURING PERFORMANCE CONFIRMATION	CDS	0.1	25 MAR 94	ACTIVE
8.4	RADIATION PROTECTION DURING PERFORMANCE CONFIRMATION	CDS	0.0	28 OCT 93	ARCHIVED
8.4	Radiation Protection during Performance Confirmation	CDS	0.0	30 SEP 93	ARCHIVED
8.6	Unresolved Safety Questions	CDS	0.0	30 SEP 93	VACANT
9.0	LAND OWNERSHIP AND CONTROL AND WATER RIGHTS	CDS	0.1	25 MAR 94	ACTIVE
9.0	LAND OWNERSHIP AND CONTROL AND WATER RIGHTS	CDS	0.0	28 OCT 93	ARCHIVED
9.0	LAND OWNERSHIP AND CONTROL	CDS	0.0	30 SEP 93	ARCHIVED
10.0	QUALITY ASSURANCE	CDS	0.1	25 MAR 94	ACTIVE
10.0	QUALITY ASSURANCE	CDS	0.0	28 OCT 93	ARCHIVED
10.0	QUALITY ASSURANCE	CDS	0.0	30 SEP 93	ARCHIVED
11.0	EMERGENCY PLANNING	CDS	0.0	30 SEP 93	VACANT

282 CDS Records
 0 CDM Records
 0 RPS Records

APPENDIX B
ERROR MESSAGES

ERROR MESSAGES

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
<i>MISCELLANEOUS</i>		
Error resetting RPC timeout	System error.	Contact your database administrator and report the error message.
Client RPC Timed Out	System error.	Contact your database administrator and report the error message.
SQL error (ORA: xx)	System error.	Contact your database administrator and report the error message.
You Entered an Invalid User-ID or Password	When logging on, you entered an incorrect User-ID and/or password.	Re-enter your User-ID and password.
You MUST Enter Both a User-ID and Password	When logging on, you failed to enter your User-ID or password.	Enter both a User-ID and password.
Password must be at least 4 characters	You entered a password that is less than the minimum 4 characters.	Re-enter a password with a minimum of 4 characters.
Password must be no longer than 16 characters	You entered a password that is longer than the maximum 16 characters.	Re-enter a password with less than 16 characters.
Error connecting to server	Server is not functioning.	Contact your database administrator.
RPC Timed Out. Contact your system administrator	System error.	Contact your database administrator and report the error message.
NULL Password entered	When attempting to change the user's password, the RETURN key was pressed or the CHANGE button was selected when the Re-enter new password field was empty.	Select the OK button to dismiss the error message and then re-enter the new password twice to verify its correctness.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
New password does not match the Reenter new password	When attempting to change the user's password, there was a password, mismatch between the password and the re-entered password.	Select the OK button to dismiss the error message and then re-enter the new password twice to verify its correctness.
<i>DEFINE/CHECKIN/RETIRE</i>		
You MUST Enter New Version Level	Checking a document in, you failed to enter a new version number.	Enter a new version number and retry check-in.
You MUST Select a Document Type and Review Plan Number	Checking a document in, you failed to select a document type and review plan number.	Select a document type and review plan number and retry check-in.
You MUST Select a Review Plan Number	Checking a document in, you failed to select a review plan number.	Select a review plan number and retry check-in.
Forced Checkin aborted	System error.	Contact your database administrator and report the error message.
Checkin aborted	System error.	Contact your database administrator and report the error message.
Mismatch between Header and WP File: Version Number	Checking a document in, you entered a new version number that does not match the system computed version number.	Correct the version number and retry check-in, or contact the WSE&I element manager to resolve the correct version number.
Mismatch Between Header and WP File: Document Type	Document type selected and document type parsed from document do not match.	Select the correct document type or correct the document and retry check-in.
Mismatch Between Header and WP File: Review Plan	Document review plan number selected and review plan number parsed from the document do not match.	Select the correct review plan number or correct the document, and retry check-in.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
Mismatch Between Header and WP File: Title	Document title selected and document title parsed from document do not match.	Force check-in, or select the correct document title, or correct the document and retry check-in.
Mismatch Between expected version: xxx and received version: xxx	Checking a document in, you entered a new version number that does not match the system computed version number.	Correct the version number and retry check-in, or contact the WSE&I element manager to resolve the correct version number.
Client Memory Error	Client out of memory.	Close some applications.
Client File Error = xx	Cannot save file (permissions).	Use your own account. Clean off disk.
Unknown Service Error.	Client has requested a non-existent service.	Contact your database administrator
Server File Error = xx	Can't read/write file.	Contact your database administrator.
Server Memory Error. Contact your system administrator	Server out of memory.	Contact your database administrator.
Invalid Document Type	Unknown document type passed to server.	Contact your database administrator.
Input Data Too long	Review plan number or title too long.	Shorten number or title.
Bad working directory. Contact your system administrator	Server cannot change to proper directory.	Contact your database administrator.
Could not archive previous version of document. Contact your system administrator	TOPIC load failed on retrieve.	Contact your database administrator.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
Could not convert document to ASCII. Contact your system administrator	Server could not convert WP to ASCII.	Contact your database administrator.
Error Archiving Previous Version	TOPIC load failed.	Contact your database administrator.
Could not parse ASCII file. Contact your system administrator	Document checked in does not conform to expected format.	Check that document type, review plan number, and title appear in the expected format.
Could not create header for document. Contact your system administrator.	Server could not extract document type, review plan, title from ASCII version of document.	Check that document type, review plan number, and title appear in the expected format.
Could not build document for load into TOPIC. Contact your system administrator	Server could not construct header and ASCII document for loading into TOPIC.	Contact your database administrator.
Could not build document or load into TOPIC. Contact your system administrator	TOPIC load failed.	Contact your database administrator.
Could not load or secure document into TOPIC. Contact your system administrator	TOPIC load failed.	Contact your database administrator.
Could not store document in WP archive. Contact your system administrator	Could not archive WP document.	Contact your database administrator.
You MUST Enter a Review Plan Number	Defining a document, you failed to enter a review plan number.	Enter review plan number and retry define.
You Entered Invalid Characters in Review Plan Number	Defining a document, you entered an invalid review plan number.	Enter a valid review plan number and retry define.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
You Entered an Invalid Review Plan Number	Defining a document, you entered an invalid review plan number.	Enter a valid review plan number and retry define.
You Must Enter a Title	Defining a document, you failed to enter a title.	Enter title and retry define.
Invalid Document Type Code Entered	Unknown document type passed to server.	Contact your database administrator and report the error message.
Bad working directory (connect instance)	Server cannot change to proper directory.	Contact your database administrator and report the error message.
Server: Could not create vacant document	Cannot write vacant document.	Contact your database administrator and report the error message.
Error: You attempted to redefine an already defined record	Defining a document, you entered a review plan number that has already been defined.	Correct the review plan number and retry define.
Server: Could not create header or vacant document	System error.	Contact your database administrator and report the error message.
Server: Could not build vacant document for TOPIC	System error.	Contact your database administrator and report the error message.
Server: Could not convert vacant document from WP	System error.	Contact your database administrator and report the error message.
Server: Could not load vacant document into TOPIC	System error.	Contact your database administrator and report the error message.
Server: Could not load vacant document in WP archive	System error.	Contact your database administrator and report the error message.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
RPC Call timed out; Contact your system administrator	System error.	Contact your database administrator and report the error message.
CLNT: Server file error (ORA: xx)	System error.	Contact your database administrator.
CLNT: Client file error (ORA: xx)	System error.	Contact your database administrator.
Bad Date Format	Date input bad.	Contact your database administrator.
Missing Mandatory Field	Required input data missing.	Contact your database administrator.
Data Too Long	Input data too long for fields.	Re-enter abbreviated form of data.
Bad Data Value	Server did not get data.	Contact your database administrator.
User-ID Already Exists	When the database administrator attempted to add a user, there was already an existing User-ID of that name.	Verify in the list of users that the User-ID does indeed exist.
Invalid login name/ password	Server could not verify logon name or password.	User should re-enter User-ID and password.
Report Writer Failed	Report could not be generated.	Contact your database administrator.
Out of Memory	System error.	Contact your database administrator.
Document not found	Cannot find WP file for copy.	Contact your database administrator.
RPC time out	System error.	Contact your database administrator.
Request not recognized? Data not received?...	Client has requested a non-existent service.	Contact your database administrator.

ERROR MESSAGES (Cont'd)

CUSTODIAN/DATABASE ADMINISTRATOR

MESSAGE	CONDITIONS OR CAUSE	USER ACTION
Server out of memory	System error.	Contact your database administrator.
CLNT: Unknown error	System error.	Contact your database administrator.