

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR REACTOR REGULATION
WASHINGTON, D.C. 20555-0001

July 10, 1996

NRC ADMINISTRATIVE LETTER 95-03, Revision 1: AVAILABILITY OF REACTOR
VESSEL INTEGRITY DATABASE

Addressees

All holders of operating licenses or construction permits for nuclear power reactors.

Purpose

The U.S. Nuclear Regulatory Commission (NRC) is issuing this administrative letter to inform addressees of the availability of Revision 1 of the Reactor Vessel Integrity Database (RVID). This administrative letter does not transmit or imply any new or changed requirements or staff positions. No specific action or written response is required.

Background

As a result of the NRC staff review of licensee responses to Generic Letter (GL) 92-01, Revision 1, "Reactor Vessel Structural Integrity, 10 CFR 50.54(f)," a comprehensive database was developed to compile and record summaries of the materials properties of the reactor vessel beltline materials for each plant. This database is known as the RVID. Version 1.1 was issued in July 1995.

In addition to the licensee responses to GL 92-01, the following documents were included in the review process and development of the RVID: surveillance capsule reports, documents referenced in the GL 92-01 submittals, and, as applicable, pressurized thermal shock (PTS) submittals, pressure-temperature (P/T) limits reports and responses to NRC staff requests for additional information (RAIs). The staff reviewed the data from these source documents and documented them in the RVID tables. For many units, responses to the close-out letters to GL 92-01 are not reflected in this version, but will be included in a future version of the RVID.

Discussion

The RVID has been set up so that there are four tables for each plant: a background information table, a chemistry data table, an upper-shelf-energy table, and a pressure-temperature limits table for boiling-water reactors or a PTS table for pressurized-water reactors. The information categories in each table are either direct inputs or values calculated from these inputs. Explanations for each of the information categories are contained in the user manual. References follow each table to document the original sources of data and to provide additional information.

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R.I.

The RVID includes sort and data search capabilities. The user can select a desired grouping of plants and then specify up to 10 information categories to search and list. Features to allow updating of the information by users have not been included.

The original RVID code was revised, and the user manual was expanded as a result of the staff assessment of the database and comments from database users. The database containing the current changes will be issued as Revision 1 in June 1996. A summary of the revisions follows:

- The code for determining the percent drop in upper shelf energy (USE) was modified to correctly calculate USE values for beltline materials with very high copper values.
- The table headings for the PTS summary files were revised to read "Summary File for PTS" (for PWRs) and "Summary File for Pressure/Temperature Limits" (for BWRs) in order to reflect that BWRs do not have PTS evaluations. Pressure-temperature limits information for BWR beltline materials, and not PTS evaluations, are contained in the RVID.
- A means of identifying surveillance data as credible ("Y") or non-credible ("N") has been added to the database. Eight units were assessed by the staff because the RVID reflected that surveillance data was being used to calculate the chemistry factor for the limiting material in the reactor vessel. Six units were confirmed to have credible surveillance data and two were determined to have non-credible data. The staff will continue to review surveillance data and the appropriate changes for non-credible surveillance data will be made accordingly in future versions of the RVID.
- Several changes were made to the user manual in response to comments from database users:
 - The appropriate configuration of the "config.sys" file that is needed to properly run the RVID was outlined with an explanation of why the file and buffer configurations are important.
 - The RVID was not designed to work in a networked environment. Although it can function under this scenario, error messages will appear when multiple users are logged into the system. The problems that simultaneous access of the system can cause are described in the manual.

- Instructions on how to create the batch file needed to successfully run the RVID are outlined for users who do not already have the batch file in the RVID directory.
- The manual was revised to clarify that P/T limits reports and not just PTS reports are available in the RVID.
- Expanded information was provided on how to find a specific plant record while in the plant information screen.
- A paragraph stating that the database can contain information that is not docketed was added to the manual.

It is not NRC staff intent to provide assistance with the computerized aspects of operating the RVID. In addition to the detailed explanations given in the manual, "help" features have been included throughout the RVID. Also, at the public workshop between NRC and the Nuclear Energy Institute on reactor pressure vessel integrity, held July 13, 1995, there was an RVID demonstration. The staff encourages comments from users regarding the RVID. The RVID will be updated periodically, as NRC resources allow, to reflect the latest information available.

The information submitted by licensees in their responses to the staff GL 92-01 closeout letters (for many units) and to GL 92-01, Supplement 1 will not be included in Revision 1. Licensees have joined with owner groups in order to address the issues raised in Supplement 1. The new information is expected to be available at the end of 1997, and the RVID will be updated accordingly.

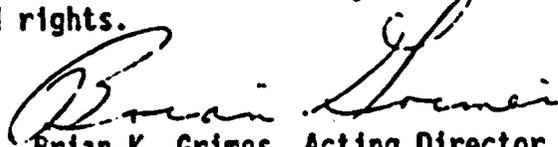
The RVID diskettes (5) and the RVID user manual are currently available on the NRC world wide web homepage at <http://www.nrc.gov/NRR/adw1/rvid.htm>. To access the homepage, one must have an Internet account and a web browser such as Mosaic, Lynx, or Netscape.

System requirements for running the RVID are a 386 personal computer (486 preferred), DOS version 6.0 or above, and 6 to 8 megabytes RAM. A color monitor and mouse are also preferred.

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LIST OF RECENTLY ISSUED
 NRC ADMINISTRATIVE LETTERS

Administrative Letter No.	Subject	Date of Issuance	Issued to
96-02	Licensee Responsibilities Related to Financial Qualifications	06/21/96	All holders of OLs or CPs for nuclear power reactors
94-13, Rev. 2	Access to Nuclear Regulatory Commission Bulletin Board Systems	05/03/96	All NRC licensees.
96-01	Operator Licensing National Examination Schedule	01/09/96	All holders of OLs or CPs for nuclear power reactors.
95-06	Relocation of Technical Specification Administrative Controls Related to Quality Assurance	12/12/95	All holders of OLs or CPs for nuclear power reactors.
95-05	Revisions to Staff Guidance for Implementing NRC Policy on Notices of Enforcement Discretion	11/07/95	All holders of OLs or CPs for nuclear power reactors.
95-04	NRC Program Office responsibilities for Decommissioning Activities and Planning for Dry Cask Storage of Spent Fuel	11/07/95	All holders of OLs & CPs for nuclear power reactors.
95-03	Availability of Reactor Vessel Integrity Database	08/04/95	All holders of OLs or CPs for nuclear power reactors.
94-13, Rev. 1	Access to Nuclear Regulatory Commission Bulletin Board Systems	06/29/95	All NRC licensees.
95-02	Cost Beneficial Licensing Actions	02/23/95	All holders of OLs or CPs for nuclear power reactors.
95-01, Supp. 1	Change in Commercial Telephone and Facsimile Numbers at Nuclear Regulatory Commission Headquarters	02/02/95	All NRC licensees.

OL = Operating License
 CP = Construction Permit

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Original signed by Brian K. Grimes

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Tech Editor has reviewed and concurred on 04/29/96

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DATE	04/11/96	05/06/96	07/2/96				

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DATE	04/11/96		04/11/96		04/23/96		04/26/96	04/29/96
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NAME	GLainas		BSheron		AEChaffee*RLD for		BKGrimes	RZimmerman
DATE	04/29/96		04/30/96		05/06/96		06/ /96	05/07/96

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