

# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8507230262 DOC. DATE: 85/07/15 NOTARIZED: NO DOCKET #  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 AUTH. NAME AUTHOR AFFILIATION  
 ALEXICH, M.P. Indiana & Michigan Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Requests relief from provisions of ASME Boiler & Pressure  
 Vessel Code Section XI, Subsection INC-5000 for auxiliary  
 spray to RCS & pressurizer. One, oversize drawing encl.  
 Aperture card available in PDR. Fee paid.

DISTRIBUTION CODE: A047D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5  
 TITLE: OR Submittal: Inservice Inspection/Testing

NOTES:

05000315

OL: 10/25/74

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	NRR ORB1 BC	01	7	7			
INTERNAL:	ACRS	16	10	10	ADM/LFMB		1 0
	ELD/HDS3		1	0	NRR/DE/MEB	15	1 1
	NRR/DE/MTEB	14	1	1	NRR/DL/TAPMG		1 1
	REG FILE	04	1	1	RGN3		1 1
EXTERNAL:	24X		1	1	LPDR	03	1 1
	NRC PDR	02	1	1	NSIC	05	1 1

W/check \$150.00

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing reliable information to stakeholders.

2. The second part of the document outlines the procedures for handling customer inquiries. It states that all inquiries should be handled promptly and professionally, and that the company should strive to provide the best possible service to its customers.

3. The third part of the document discusses the company's commitment to environmental sustainability. It states that the company will continue to invest in sustainable practices and will strive to reduce its carbon footprint.

4. The fourth part of the document discusses the company's commitment to social responsibility. It states that the company will continue to support various social and environmental causes and will strive to be a good corporate citizen.

5. The fifth part of the document discusses the company's commitment to employee development. It states that the company will continue to invest in employee training and development and will strive to provide a supportive and challenging work environment for all employees.

6. The sixth part of the document discusses the company's commitment to transparency. It states that the company will continue to provide timely and accurate information to its stakeholders and will strive to be open and honest in all of its communications.

7. The seventh part of the document discusses the company's commitment to innovation. It states that the company will continue to invest in research and development and will strive to develop new products and services that meet the needs of its customers.

8. The eighth part of the document discusses the company's commitment to risk management. It states that the company will continue to identify and assess its risks and will strive to implement effective risk management strategies to protect the company's assets and reputation.

9. The ninth part of the document discusses the company's commitment to compliance. It states that the company will continue to ensure that it complies with all applicable laws and regulations and will strive to maintain the highest standards of ethical conduct.

10. The tenth part of the document discusses the company's commitment to long-term success. It states that the company will continue to focus on its core business and will strive to achieve sustainable growth and profitability over the long term.

# INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

July 15, 1985  
AEP:NRC:0070U

Donald C. Cook Nuclear Plant Unit No. 1  
Docket No. 50-315  
License No. DPR-58  
INSERVICE INSPECTION PRESSURE TEST-CODE RELIEF

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Denton:

This submittal and its attached flow diagram are made pursuant to 10 CFR 50.55a(g)(6)(i). Code relief is requested from the provisions of ASME Boiler and Pressure Vessel Code Section XI, subsection IWC-5000. This request is in addition to those requested in our letter of May 17, 1985 (AEP:NRC:0070R). We request code relief and alternate tests as proposed for the following piping section:

1. Auxiliary Spray to Reactor Coolant System and Pressurizer, CVCS - Reactor Letdown and Charging System, Drawing 1-5129

Piping Boundaries:

Valves QRV-51            CS-326  
Valves QRV-61            CS-322  
Valves QRV-62

ISI Code Class 2 Requirement:

For a design pressure of 2735 psig, Article IWC-5000 of the ASME Code, Section XI, requires that the piping be tested at a pressure of 3418 psig, and a temperature not less than 100°F.

Code Relief Request:

It is proposed to test the above section of piping at a pressure of 2800 psig.

Basis for Code Relief:

In order to perform the pressure test in this ISI Class 2 Section of piping, valve QRV-51 has to be used as an isolation valve. This 1,500 lb. class, air-operated, control valve is

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designed to withstand a test pressure of 3418 psig in the open position. However, it cannot be used as an isolation valve because it was designed for a differential pressure of 1200 psig.

The valve cannot be kept closed during pressure testing at 3418 psig without extensive, temporary rigging. The modification would require: (1) removal of the air operator and installation of a "strong back" to keep the valve closed during the testing, (2) removal of the strong back after the testing, and (3) re-installation of the air operator on the valve and restoring the valve to operable condition before returning to service. The valve is located inside the re-generative heat exchanger room which is a very high radiation area and plant personnel would be subjected to radiation exposure of 5 to 7 man rems.

As an alternative, the possibility of using a freeze seal plug downstream of QRV-51 was considered. This would involve extensive working time in the Pressurizer Relief Tank area close to the pressurizer spray valves, which is a high radiation area. This alternative was rejected because plant personnel would be subject to an even higher radiation exposure of 8.5 man rems during the formation, monitoring, and removal of the freeze seal plug.

We believe that this is a reasonable code relief request since the proposed test pressure is in fact higher than the normal operating pressure of 2235 psig in the approximately 30 feet long section of piping for which code relief is requested.

We are requesting the relief because the above piping system cannot be tested to ASME Code requirements without modifying the System and/or exposing personnel to unnecessary radiation hazards. In order to avoid unnecessary delays and to restore the unit to power on a timely basis, we are requesting a response from the NRC as soon as possible. If you have any questions or concerns about the material contained herein, please do not hesitate to call us.

Although this code relief request has been reviewed by appropriate technical and managerial personnel at both AEPSC and the Plant, this document has not yet been reviewed in concert by either our Plant or Corporate Safety Committees. It is scheduled to be reviewed by both committees shortly, and if those reviews result in any changes, we will notify you accordingly.

A check in the amount of \$150.00 is attached with this letter for the NRC processing of the request.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the transparency and accountability of the organization. This section also outlines the various methods used to collect and analyze data, ensuring that the information is reliable and up-to-date.

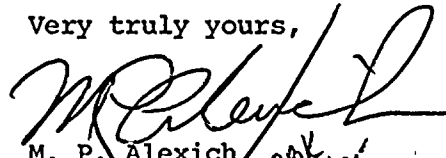
2. The second part of the document focuses on the implementation of these practices. It details the steps involved in setting up a robust system for data collection and analysis. This includes identifying the key areas of focus, selecting appropriate tools and technologies, and training staff to ensure they are equipped to handle the data effectively. The goal is to create a seamless process that allows for the efficient management of information.

3. The third part of the document addresses the challenges associated with data management. It recognizes that while the benefits of accurate records are clear, there are often obstacles to achieving them. These challenges can range from limited resources to complex technical issues. The document provides strategies to overcome these challenges, such as seeking external support, investing in training, and implementing strict security protocols to protect the data.

4. The final part of the document concludes by reiterating the importance of continuous improvement. It stresses that the system for data collection and analysis is not static; it must evolve over time to meet the changing needs of the organization. Regular reviews and updates are necessary to ensure that the system remains effective and that the data it produces is always relevant and useful.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

  
M. P. Alexich  
Vice President

RDK  
7/15/85

cm

Attachments

cc: John E. Dolan (w/o attachments)  
W. G. Smith, Jr. - Bridgman (w/attachments)  
R. C. Callen (w/o attachments)  
G. Bruchmann (w/o attachments)  
G. Charnoff (w/o attachments)  
NRC Resident Inspector - Bridgman (w/attachments)



THE  
FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE

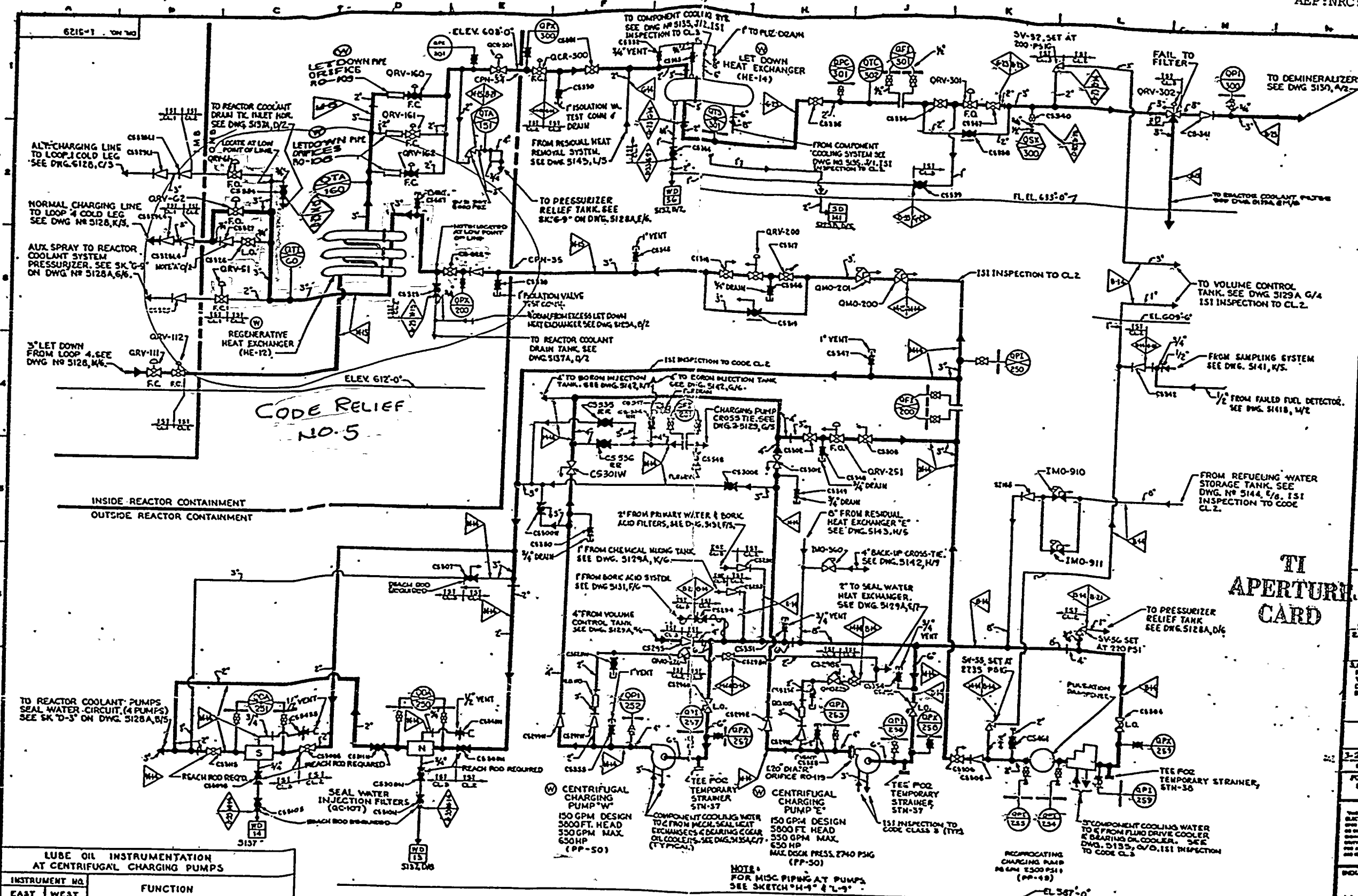
WASHINGTON, D. C.

MEMORANDUM

TO : DIRECTOR, FBI  
FROM : SAC, NEW YORK  
SUBJECT: [Illegible]



NOT FOR D.C. COOK  
OPERATIONAL USE



**GENERAL NOTES**  
**LEGEND**  
— MAIN FLOW  
— ALK. FLOW

FOR VALVE, INSTRUMENT, SAMPLING PIPE MATERIAL AND OTHER SYMBOLS NOT EXPLAINED ON THIS DWG AND FOR MARK NUMBER CODES SEE DWG 5104.

SEISMIC CLASS 1, EXCEPT AS NOTED

VALVE NOTED "A" B/S VALVE OPER. AT 600 PSID

ALL VALVES, EQUIPMENT, MATERIAL IDENTIFICATION SHOWN BY (C) (NORTH-UP) EXCEPT AS NOTED.

FOR CODE CLASS 2-B INSTRUMENT CONNECTIONS, THE SEE BOUNDARY EXTENDS TO AND INCLUDES THE FIRST NORMALLY CLOSED VALVE.

2/3 OR CODE CLASS 2-B VALVES & DRAIN. THE 1ST BOUNDARY EXTENDS TO AND INCLUDES THE FIRST NORMALLY CLOSED VALVE.

3/4 INDICATES REACH ROD REQUIRED.

NOTE: THIS DWG MADE UNIQUE FOR UNIT 1 AND SUPERSEDES DWG 1-2-5129 REV 1

**TI APERTURE CARD**  
HAND OPERATED VALVE IDENTIFICATION NUMBERS  
ONLY "UNIQUE VALVE NUMBERS" APPEAR ON THIS DRAWING. SEE SEPARATE VALVE IDENTIFICATION LIST FOR EQUIVALENT DESIGN (EQU) NUMBERS.  
EQU NUMBERS REQUIRED FOR DRAWING USE AS FOLLOWS:  
TAG NO: 2-474-100-0-0  
APPEAR AS: 2-474-100-0-0  
INSTRUMENT ROOF VALVE MARKS NOT SHOWN ON DRAWING (SEE VALVE IDENTIFICATION LIST) DERIVED BY ADDING TO INSTRUMENT NUMBER:  
FOR SCALE ESTIMATION FOR DOUBLE INFLUENCE/STREAM VIDEOGRAPHY

FOR MICROFILM STATUS SEE REVISION RECORD FOR THIS DWG

3-21-85 129 FLD 122  
DATE: 12/1/85 BY: 122

FOR REVISION DESCRIPTION SEE SEPARATE REVISION RECORD FOR THIS DRAWING

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BECKMAN & NICHOLSON ELECTRIC CO.  
DONALD C. COOK  
NUCLEAR PLANT

**FLOW DIAGRAM**  
CVCS-REACTOR LETDOWN & CHARGING

DRW. NO. 1-5129-29

AMERICAN ELECTRIC POWER SERVICE CORP.  
BROADWAY

LUBE OIL INSTRUMENTATION AT CENTRIFUGAL CHARGING PUMPS			
INSTRUMENT NO.	EAST	WEST	FUNCTION
LPS-270	LPS-272		START-STOP AUX PUMP 6 PSI DEC. 10 PSI INC. PRESS.
CPA-270	LPA-272		ANNUNCIATES IN CONTROL ROOM AT 8 PSI DEC. PRESS.
LPI-270	LPI-272		0-30 PSI RANGE AT OIL FILTER INLET
LPI-271	LPI-273		0-30 PSI RANGE AT OIL FILTER OUTLET
LTI-270	LTI-272		ON THRUST BEARING HOUSING
LTA-270	LTA-272		OIL TEMP. ALARM 145°F LOW AT COOLER DISCH. MANIFOLD W/ MONITOR 0-200°F.
LTI-275	LTI-277		OIL COOLER OUTLET TEMP. 0-250°F
LPI-274	LPI-275		SPEED INCREASER L.O. HEAT EXCH. OUTLET

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