

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8606270268 DOC. DATE: 86/06/23 NOTARIZED: YES DOCKET #  
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220  
 AUTH. NAME AUTHOR AFFILIATION  
 MANGAN, C. V. Niagara Mohawk Power Corp.  
 RECIP. NAME RECIPIENT AFFILIATION  
 ZWOLINSKI, J. A. BWR Project Directorate 1

SUBJECT: Forwards Vals I & II to Rev 4 to updated FSAR for Nine Mile Point Nuclear Station Unit 1, incorporating Mods completed prior to 860101

*Revised 7/3/86 SAA*  
 DISTRIBUTION CODE: A053D COPIES RECEIVED: LTR 1 ENCL 13 SIZE: 6+34  
 TITLE: OR Submittal: Updated FSAR (50.71)

NOTES:

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL		ID CODE/NAME		LTR	ENCL
	BWR ADTS		1	0		BWR EB		1	0
	BWR EICSB		2	0		BWR FOB		1	0
	BWR PD1 LA		1	0		BWR PD1 PD		1	0
	KELLY, J	01	1	1		BWR PSB		1	0
	BWR RSB		1	0					
INTERNAL:	IE FILE	05	1	1		NRR ROE, M. L		1	1
	REG FILE	02	1	1		RGN1	06	2	2
EXTERNAL:	DMB/DSS		1	1		FRANKLIN		1	1
	LPDR	04	1	1		NRC PDR	03	1	1
	NSIC		1	1					



1. The first part of the document discusses the importance of maintaining accurate records. It states that proper record-keeping is essential for the efficient operation of any organization. This includes tracking financial transactions, personnel files, and operational data.

2. The second part of the document addresses the challenges of data management. As organizations grow, the volume of data increases significantly, making it difficult to store, retrieve, and analyze. This section explores various solutions, such as cloud storage and data analytics tools, to overcome these challenges.

3. The third part of the document focuses on data security. With the increasing reliance on digital information, protecting sensitive data from cyber threats has become a top priority. This section discusses best practices for data security, including encryption, access controls, and regular security audits.

4. The fourth part of the document discusses the role of data in decision-making. Data-driven insights allow organizations to identify trends, anticipate market changes, and make informed strategic decisions. This section highlights the importance of data literacy and the need for organizations to invest in training and development.

5. The fifth part of the document addresses the ethical implications of data collection and use. Organizations must be transparent about their data practices and ensure that they are compliant with relevant regulations, such as the General Data Protection Regulation (GDPR). This section emphasizes the need for ethical data governance and the protection of individual privacy.

6. The sixth part of the document discusses the future of data management. Emerging technologies, such as artificial intelligence and machine learning, are revolutionizing the way data is processed and analyzed. This section explores the potential of these technologies and the need for organizations to stay up-to-date with the latest advancements.

7. The seventh part of the document discusses the importance of data backup and recovery. Data loss can be catastrophic for an organization, so having a robust backup and recovery strategy is essential. This section provides guidance on how to design and implement an effective data backup and recovery plan.

8. The eighth part of the document discusses the role of data in customer experience. By analyzing customer data, organizations can gain valuable insights into customer behavior and preferences, allowing them to personalize their services and improve the overall customer experience. This section highlights the importance of data-driven customer insights and the need for organizations to invest in customer relationship management (CRM) systems.

9. The ninth part of the document discusses the importance of data governance. Data governance refers to the overall management of data, including its collection, storage, use, and disposal. This section discusses the importance of establishing a clear data governance framework and the need for organizations to assign responsibility for data management.

10. The tenth part of the document discusses the importance of data literacy. Data literacy is the ability to understand, interpret, and use data effectively. This section emphasizes the need for organizations to invest in data literacy training for their employees, as this is essential for making the most of the data they collect.



NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

June 23, 1986

NMP1L 0071

Director of Nuclear Reactor Regulation  
Attention: Mr. John A. Zwolinski, Project Director  
BWR Project Directorate Number 1  
Division of BWR Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63

Dear Mr. Zwolinski:

Niagara Mohawk Power Corporation hereby submits one (1) signed original and twelve (12) copies of Revision 4 to the Nine Mile Point Nuclear Station Unit 1 Final Safety Analysis Report (Updated). This revision supplies information on a replacement page basis, as indicated on Table 1. A vertical bar indicates changes. Vertical bars were not placed next to figure changes; figure changes are indicated by revision numbers.

In addition, Table 2 (attached) lists modifications made in accordance with 10CFR50.59 since the last submittal of the Final Safety Analysis Report (Updated) on June 27, 1985. Modifications completed prior to January 1, 1986 were reviewed and, if applicable, incorporated into the Final Safety Analysis Report (Updated).

Sincerely,

NIAGARA MOHAWK POWER CORPORATION

*C. V. Mangano*  
C. V. Mangano  
Senior Vice President

DPC:bd  
Attachments  
xc: Mr. Jay Dunkleberger  
Division of Policy Analysis and Planning  
New York State Energy Office  
Agency Building 2  
Empire State Plaza  
Albany, NY 12223

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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In the Matter of  
Niagara Mohawk Power Corporation  
(Nine Mile Point Unit 1)

Docket No: 50-220

AFFIDAVIT:

C. V. Mangan, being duly sworn, deposes and says:

I am Senior Vice President of Niagara Mohawk Power Corporation, duly authorized to act on the Corporation's behalf; as such, I have read the documents attached hereto and find that the statements made therein are true to the best of my knowledge, information and belief.

C. V. Mangan  
C. V. Mangan  
Senior Vice President  
Niagara Mohawk Power Corporation

Subscribed, acknowledged and  
sworn to before me on this  
25<sup>th</sup> day of June, 1986.

Christine Austin  
Notary Public

**CHRISTINE AUSTIN**  
Notary Public in the State of New York  
Qualified in Onondaga Co. No. 4787687  
My Commission Expires March 30, 1987

THE UNIVERSITY OF  
THE STATE OF NEW YORK  
THE STATE EDUCATION DEPARTMENT  
ALBANY, N. Y. 12243

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT UNIT 1

Table 2

Modifications Implemented Under 10CFR50.59 Not Previously  
Submitted to the Nuclear Regulatory Commission\*

<u>Mod. Number</u>	<u>Modification Description</u>
78-04	Install nitrogen supply valve in Train 11 of the containment atmosphere dilution system
78-21	Add welding outlets on elevation 198 of Reactor Building
80-90	Modify turbine generator sequential trip circuit by adding "motoring" relays to provide overspeed protection by verifying that all steam sources are closed off before opening turbine-generator breakers.
81-27	Replace breathing air service water compressor 'Y' strainers with duplex strainers
81-36	Install manual (normally locked-open) isolation valve in nitrogen supply line to containment atmospheric dilution system for maintenance.
82-03	Change detect zones (D-1114 & DA-1114) H2 seal oil from Class A to Class B. Ref. NRC's SER to Amendment 30.
82-33	Modify turbine thrust bearing wear detectors per GE technical information letter.
82-57	Install Reactor Building sprinkler system drain tank level switch column isolation valve and testing tee. Provide level switch probe clearance and valve tee assembly for calibration.
82-69-1	Upgrade the feedwater low flow control during startup, shutdown and hot standby to resolve NUREG-0619 feedwater nozzle cracking (thermal cycles) concerns. Also modified the motor driven feedwater recirculation system.
82-69-3	Install redundant high pressure coolant injection initiation circuits for reliability.

\* While some modifications may have been performed earlier, inclusion indicates closeout of the entire modification package.



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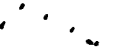
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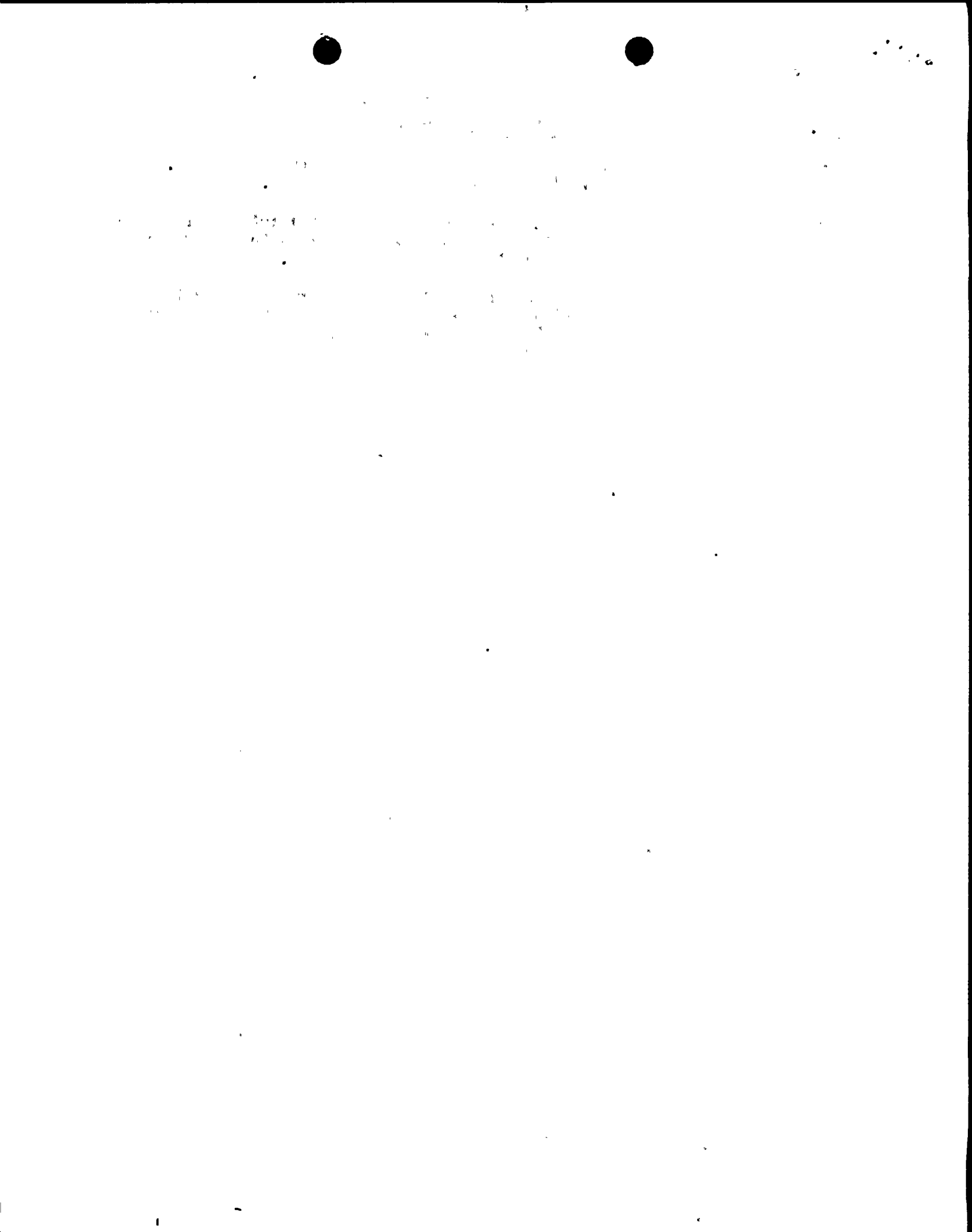
<u>Mod. Number</u>	<u>Modification Description</u>
82-80-5	Revise logic on emergency condenser vent isolation valves to include confirmatory logic.
83-16	Replace waste collector filter recycle pump with pump made by Gould. (Base and piping also modified). Original vendor (Delaval) no longer manufactures this pump, which was leaking at the casing flange and could not be repaired.
83-30	Replaced Turbine Building closed loop cooling heat exchangers 11 & 12.
83-30-2	Replace closed loop cooling heat exchanger (part of 83-30 above)
83-35	Addition of roof alarm (23') and camera at northwest wall of security annex.
83-36	Additional document control (NSR) electrical outlets to support additional office space and equipment for records storage, drawing control room and computer tech shop.
83-46	Prime computer; power upgrade - add 16 outlets (RM246-1) to accommodate additional computer peripherals and communications equipment.
83-81	Upgrade Reactor Building fire barrier wall (NSR) piping penetration seals to 3 hour IEEE-634.
84-19	Cut and relocate section of breathing air pipe so that post-LOCA vent line may be installed at Reactor Building E1 281'.
84-29	Accurex Upgrade - To provide reliable use of the fuel zone water level monitoring system hardware/software mod's per GE FDI NTCB.
84-31	Replace the power cable to the reactor shutdown cooling system return line isolation valve motor-operator and DC valve board (outside the drywell) with a larger cable to improve performance by minimizing motor burnout.
84-35	Relocate 3 smoke detectors in digital computer room (auxiliary control room) to avoid discharge from air supply diffuser, per NRC Inpsection 84-06.
84-50	Modify twelve input risers to Waste Disposal Building Sump #13 to minimize stoppage in floor drains and consequential contamination.



Mod. Number

Modification Description

84-51	Screen wash pump; replace with mechanical seals. Also changed butterfly valve to plug valve.
84-004	Replace diesel fire pump governor inlet and discharge and pump bearing oil solenoid valves to provide manual start capability upon loss of power.
85-012	Relocate supply voltage source for cleanup system isolation valves from powerboard 167 to 161B & 171B and add thermal overload bypasses to satisfy environmental qualifications.



NIAGARA MOHAWK POWER CORPORATION  
 NINE MILE POINT UNIT 1 FINAL SAFETY ANALYSIS REPORT (UPDATED)  
 REVISION 4 (1986)

Table 1

<u>Current Page</u>	<u>Replacement Page(s)</u>
Cover sheet, Volume I	Cover sheet, Volume I
xxxi	xxxi
II-25	II-25
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V-30	V-30
	V-30A           (New page)
VI-21	VI-21
VI-47, Table VI-3A	VI-47, Table VI-3A
VI-50B, Table VI-3B	VI-50B, Table VI-3B
VII-17	VII-17
VII-21	VII-21
VII-23	VII-23
VII-62	VII-62
VIII-4	VIII-4
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VIII-68	VIII-68
X-32, Figure X-6	X-32, Figure X-6
X-39	X-39
X-40, Figure X-7	X-40, Figure X-7
X-52	X-52
X-62	X-62
XII-19	XII-19
Cover sheet, Volume II	Cover sheet, Volume II
xxxi	xxxi
XV-48	XIII-9A       (New page)
XV-54	XV-48
XV-159	XV-54
	XV-159



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