

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8207230238 DOC. DATE: 82/07/19 NOTARIZED: YES DOCKET #
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
 AUTH. NAME AUTHOR AFFILIATION
 LEMPGES, T.E. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards updated FSAR for Nine Mile Point Unit 1.

SEE FSAR Vols. I-III

DISTRIBUTION CODE: A053S COPIES RECEIVED: LTR 1 ENCL 13 SIZE: 1+1166

TITLE: Updated FSAR(50.71)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	POLK, P.	01 1 1		
INTERNAL:	IE	05 1 1	REG FILE	02 1 1
	RGNI	06 2 2		
EXTERNAL:	ACRS	09 1 1	FEMA	10 1 1
	LPDR	04 1 1	NRC PDR	03 1 1
	NSIC	1 1 1	NTIS	1 1 1

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

July 19, 1982

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

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

Dear Mr. Denton:

Attached pursuant to 10CFR50.71(e) is one signed original and 12 copies of the Nine Mile Point Nuclear Station Unit 1 Updated FSAR. In addition, attached is a list of all modifications made pursuant to 10CFR50.59 since the last annual report dated December 31, 1976 was submitted.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Thomas E. Lempges
Vice President - Nuclear Generation

MGM/kmb
Attachments

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NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT UNIT 1

Modifications Implemented Under 10 CFR 50.59 Not Previously
Submitted to the Nuclear Regulatory Commission

<u>Year</u>	<u>Modification Number</u>	<u>Title</u>
1977	7702	Emerg. Cond. Annunciators
	7703	Seal Oil H ₂ Tank
	7704	TSV SW Test Shunts
	7706	Off-Gas Temp Record Mod.
	7707	Lift Frame for Str. Pit
	7708	Valve Separation on RPS-CAD
	7709	4-Way Valve Off-Gas Dr. Tk.
	7710	AOV on Resin-Regen. Sys.
	7711	Reroute FW Booster Pmp Ln
	7712	FW Sparger and Nozzle
	7715	Xmtr Signals to PR Comp.
	7717	Drywell Ladder
	7720	Turbo Crcking Relief Valve
	7721	Modify Loop Seal Drains
	7722	Add Undervolt Relays
	7723	Piping and Supts - Cleanup
	7724	Modify Contmt Spray Lock
	7725	Add Relay Alarms -Cleanup
	7726	Install Filter/Valve-H ₂ Mon.
	7727	Misc. Mods to Off-Gas
	7728	Add Length Cntl Room Vent
	7729	Switch MSIV - Outside
	7730	Drywell Leak Rate Mods
	7731	Conden Tie to CRD Pump
	7732	Bearing Metal Thermocouple
	7733	Process Rad Monitor Mod.
	7734	Monitor Instru. Dry-Torus
	7735	Test Valves - IV Leakage
	7736	Additional Breathing Air Compressor
	7737	Low Co FW Sampling Assembly
	7738	Removal of Flow Straighten
	7739	Cleanup Pipe Inside Dyrwell
	7740	Fire Prot. Ln in Cafe.
	7741	Instru. to RFP Mech Seals
	7742	Restrains on BFW Lines
	7743	Limiting Power Line
	7744	Add Annunciator
	7745	Cross Tie/Sprinkler Addt.
	7746	Relocate #12 FWP Flow Xtrm.
	7748	Add on IV on Inst.
	7749	Add FCV's & Flow Indicator
	7750	Waste Concentrator
	7751	Rx Recir Pump Ammeter
	7753	Add Valve & Gauge Instr. Air
	7754	Add DBL Solenoid Valve
	7755	Add Transfer Line Resreg.
	7757	Pede Door Mod to Rx Bldg. Extension
	7758	Solid Radwaste Improvement



[The text in this section is extremely faint and illegible due to the quality of the scan. It appears to be a list or a series of entries, possibly a table with multiple columns. The text is scattered across the page and is difficult to discern.]

YearModification NumberTitle

1978

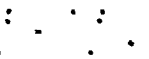
7801	Bypass to CRD Disch. Hdr.
7803	TIP Shear Valve Circuitry
7806	Regen Pnl Chgs NRC
7807	RFP #13 RPS Disengage
7808	FWP Impeller Charge
7810	ARM TIP Rm Relocate
7811	CS Pump Lo Suct Press. SW
7813	Relocate Fire Sprinkler Carr.
7814	Remove Flow Comp Scram
7815	Relocate #13 Clutch Elec.
7816	Add Mov Across CS Isol Vlv.
7817	Repl Rx. CU Piping in Drywell
7818	Replace Rx Drain Piping
7819	Rel & RLC 1st Stg. Dr. Tk.
7820	Remove Rod Block in Start
7822	Relocate Radio Antenna
7823	Add Galx for Rx Level Cont.
7825	Parallel Rod Group Lights
7826	Add MVD Vlvs for Demns.
7827	MSIV Monitoring
7828	ICRT & ILRT Instruments
7829	Sample Tops for RBLV
7830	Off Gas Vac Pump Alarms
7832	Gauge CAD Alarm State
7834	Fire Protection System
7835	Replace Underdrain Later
7836	Remove Fire Hose at C.R.



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<u>Year</u>	<u>Modification Number</u>	<u>Title</u>
1979	7901	Off-Gas Chiller Rel Race
	7902	Torus Quenchers
	7903	Gland Leak Off BV
	7904	Four Mech Snubbers
	7905	MSIV Boxer Rad Process
	7906	TIP Machine Control
	7907	Remove Turbine Into Cover
	7908	Reroute Contmt. Spray Line
	7909	Replace N. Instr. Cover
	7910	Remove FDW Interlock
	7911	Add Gen. Cooling Flo-SW
	7912	ATWS
	7913	PCV Air Supply Solenoids
	7916	Fuel Pool Valve Exch.
	7918	Door Diesel & Power Brds.
	7919	Prot. Area RD - Fire
7920	Lighting TB 250	
7921	Fire Stops	
7923	Roof C.R. Bullet Resist.	
7924	APRM Slope Hardware	
7925	Data 100 Cable Run	



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<u>Year</u>	<u>Modification Number</u>	<u>Title</u>
1980	8002	Cont. Rm. Ceiling
	8003	Emerg. & Exit
	8004	Sep. Diesel Drain Sys.
	8005	MOV 128 PB 176
	8006	Hose Stations
	8007	Vent & Purge Valve Mech Stops
	8008	Separate D.G. Lo Lvl Fuel Alarms
	8009	E-field & Area Lighting
	8010	Battery Room Vent
	8011	Reroute Cable PB 101-PB 103
	8012	Cntmt HI Rad Mntrs. TMI-6
	8015	City Water & Sewer For Trailer
	8016	Liqua Blaster Cable Run
	8023	C.R. Emerg. Vent. Charcoal Heaters
	8031	Core Spray Vent & Fill
	8032	5th HP FW Heater
	8033	Process Computer Upgrade
	8034	Rod Position Indication Sys. Chg.
	8035	Rx Refuel Cavity Closure Hatches
	8036	Snubber Replant-Rx RP Mech.
8037	Cntmt. Accid. Matr's TMI-3	
8038	Inst. for Inadequate Core Cooling TMI-4	
8041	Emer. Cond. Vent to Torus TMI-13	
8042	Rx Head Vent Emer. Pwr Suppl. TMI-14	
8043	Torus Saddles	
8044	#13 IA Compressor	
8049	Flex CLC Conn. #13 FWP	
8050	Torus Rm. Vent Penetrations	

The following information was obtained from the records of the
 Bureau of the Census, Department of Commerce, Bureau of Economic
 Analysis, Office of Business Economics, Washington, D. C., on
 the subject of the above captioned company, and is being
 furnished to you for your information.

The company was organized in the State of New York on
 1/1/1954, and has since that time operated as a corporation.
 The company's principal office is located at 100-100000-100000,
 New York, New York. The company's principal business is
 the sale of goods and services.

The company's principal officers and directors are as
 follows:

President: _____
 Vice President: _____
 Secretary: _____
 Treasurer: _____

The company's principal assets are as follows:

Cash: _____
 Accounts Receivable: _____
 Inventory: _____
 Property: _____
 Other: _____

The company's principal liabilities are as follows:

Accounts Payable: _____
 Notes Payable: _____
 Other: _____

The company's principal income is derived from the sale of
 goods and services.

The company's principal expenses are as follows:

Salaries: _____
 Rent: _____
 Utilities: _____
 Other: _____

The company's principal assets and liabilities are as follows:

Total Assets: _____
 Total Liabilities: _____

Year

Modification Number

Title

1980 (continued)

8052	Chg. Inlet & Disch. Tunnel Spl. Pumps
8053	CO ₂ Repair Valves
8054	Sprinkler Systems
8055	Smoke Purge & Fire Dampers
8056	Gaitronic - TB 250
8057	Control Room Vent
8058	Fire Detection
8059	Aux. C.R. Halon Sys.
8061	Diesel Fire Pump Low Air Start
8063	Rx RPMG Set Coupling Level Sensors
8064	Separate Fuel Oil Ins. for Diesels
8065	Separate Vent Supply to Lab
8066	Addit. Vent Scram Disch. Headers
8067	Resin Sample Probes
8068	Service/Instr. Air Intertie
8070	Change APRM - LPRM Selection
8071	Plant Shielding - TMI-8
8076	Inc. Capacity of SDV
8077	SDV Ultrasonic Monitoring
8079	Repl. Rx Drain Valves
8080	S.W. Tie for New Rad Waste
8082	Replace Station Batteries
8085	Refuel Cavity Drain System
8086	Rpl. TB SW Drag Bypass Vlv.
8087	Install New ERV Drch. Bellows
8088	CRD Air Press. Xster & Recdr.
8089	Install Bus Addition 130 X



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<u>Year</u>	<u>Modification Number</u>	<u>Title</u>
1981	8101	Masonry Walls - IEB 80-11
	8105	New Drywell/Torus Vac. Chk. discs.
	8106	ECIV Shield
	8107	EC Vent Bellows and Dam
	8110	Jib Crane in Baler Room WB
	8113	Mis. Torus Mods.
	8115	Install Temp. Comp. Air Pene. R-81
	8116	Install Temp. Conn. Pene. R-83
	8117	Modify R-21 RB EDT Sump Disch.
	8118	LSA Box Compactor
	8119	#8 Line Carrier
	8120	#9 Line Tuner
	8121	Perm Pwr. Supply to RXB 237 from 15 PB
	8122	Repl Rx Studs
	8123	Install Washers on S.V. Studs
	8126	Sample Point MVD Sys. Filter
	8130	Halon for ECIV Room
	8133	Rx. Wtr. Lvl. RVI Scale
	8137	Modify Rx Bldg. Pene. R-82
	8143	#12 Laundry Drain Tnk Conversion

The first part of the document
 discusses the general principles
 of the system. It covers the
 basic concepts and the overall
 structure of the system. The
 second part of the document
 describes the implementation
 details. It includes the
 hardware and software
 requirements, the system
 architecture, and the
 data flow. The third part
 of the document discusses the
 performance of the system.
 It includes the results of the
 experiments and the analysis
 of the data. The fourth part
 of the document discusses the
 conclusions and the future
 work. It includes the
 summary of the findings and
 the suggestions for further
 research.

The system is designed to be
 flexible and scalable. It can
 be adapted to different
 environments and can handle
 a large amount of data. The
 system is easy to use and
 can be operated by non-
 technical staff. The system
 is reliable and can be used
 for a long period of time.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
Niagara Mohawk Power Corporation) Docket No. 50-220
(Nine Mile Point Nuclear Station,)
Unit No. 1))

CERTIFICATION

I, Thomas E. Lempges, Vice President, Nuclear Generation, a duly authorized officer of Niagara Mohawk Power Corporation, licensee in the captioned proceeding, certify pursuant to 10 C.F.R. 50.71(e) that the information presented in Nine Mile Point Station, Unit 1, Final Safety Analysis Report (Updated) (i) presents changes made since the submission of the original Final Safety Analysis Report for Unit 1 on June 1967 necessary to reflect information and analyses submitted to the Nuclear Regulatory Commission ("NRC") or prepared pursuant to Commission requirement and (ii) an identification of changes made under the provisions of 10 C.F.R. 50.59 but not previously submitted to the Commission.

Thomas E. Lempges
Vice President-Nuclear Generation
Niagara Mohawk Power Corporation

Subscribed and sworn to before me on this

19th day of July, 1982
Cynthia A. Petta
Notary Public

CYNTHIA A. PETTA
Notary Public in the State of New York
Qualified in Onondaga Co. No. 4682225
My Commission Expires March 30, 1984

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