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 AUTH: NAME: AUTHOR: AFFILIATION
 DISE: D.P. Niagara Mohawk Power Corp.
 RECIP. NAME: RECIPIENT: AFFILIATION:
 IPPOLUTO, T.A. Operating Reactors Branch 2

SUBJECT: Forwards diesel generator operations data for 1976-80, in response to NRC 810709 letter Unresolved Safety Issue A-44, station blackout.

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 TITLE: Station Blackout (USI A-44)

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	MPA	10	1	1	OR ASSESS BR	07	1	1
	OR#3	13	3	3	P. BARANOWSKI	01	2	2
	POWER SYS BR	05	1	1	<u>REG. FILE</u>	04	1	1
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OCT 28 1981

Handwritten initials

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Page 1

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October 15, 1981

Director of Nuclear Reactor Regulation
Attention: Mr. Thomas A. Ippolito, Chief
Operating Reactors Branch #2
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



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

Gentlemen:

Your letter of July 9, 1981 requested information regarding station blackout, unresolved safety issue A-44, for Nine Mile Point Unit 1. The attachment to this letter provides the diesel generator operations information requested in your letter.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

A handwritten signature in cursive script, appearing to read "D. P. Dise".

D. P. Dise
Vice President Engineering

MGM:ja

A050
S/11

NINE MILE POINT UNIT 1

DIESEL GENERATOR

OPERATIONS DATA

1976 - 1980

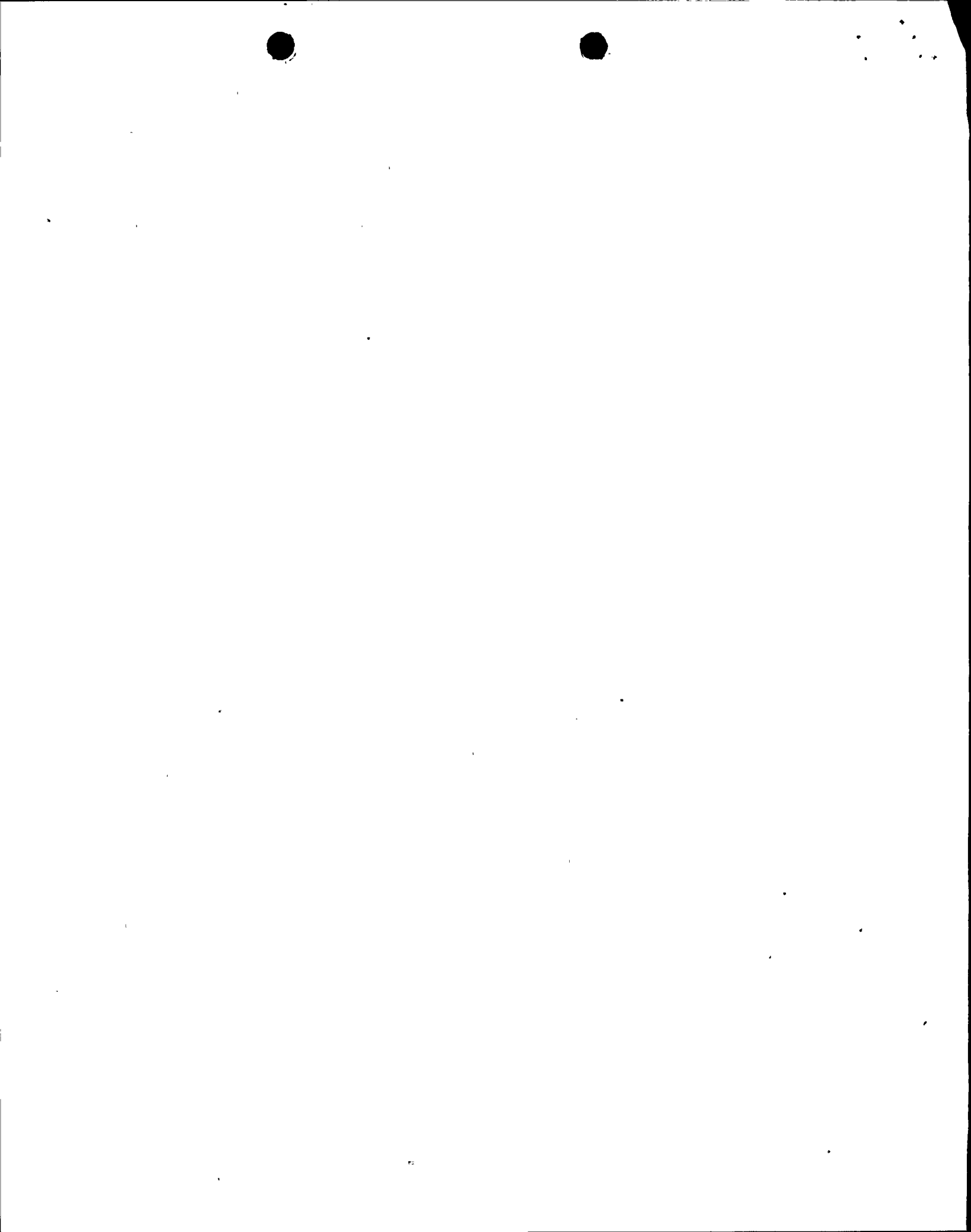
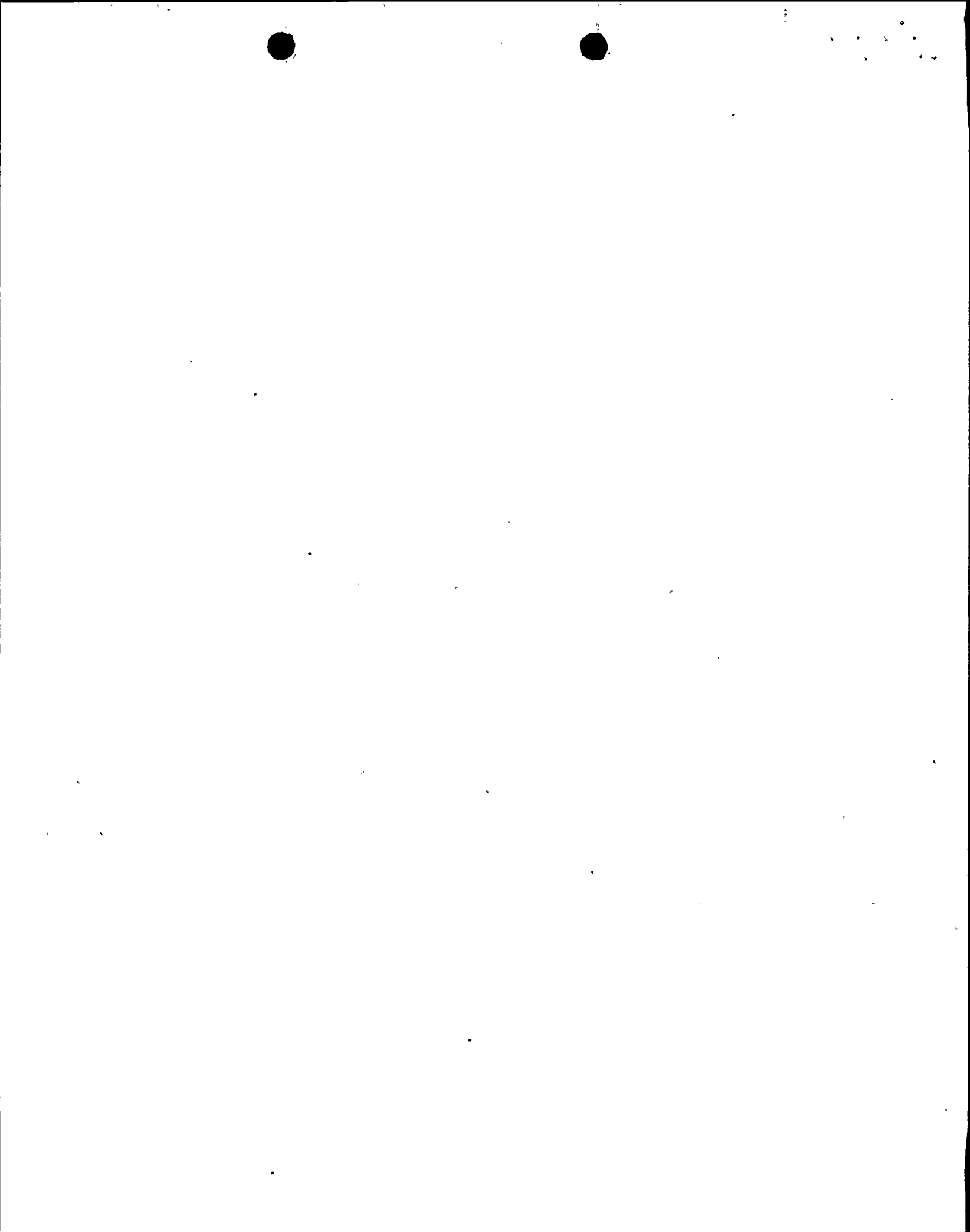
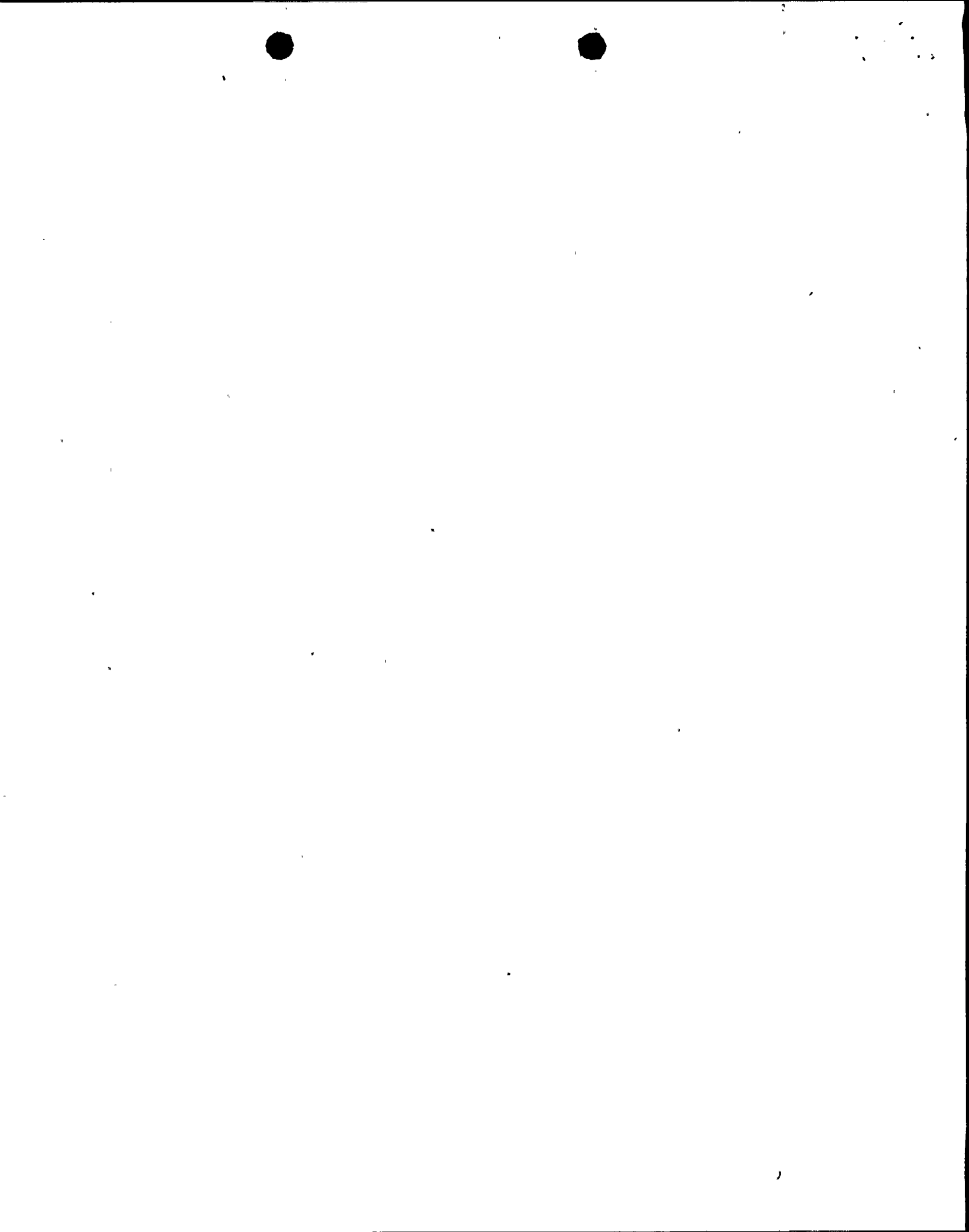


TABLE 1

Diesel Generator Operations Data
 Calendar Year 19 76

Reason for DG Operation, & scheduled Duration of Run	DG No.	Number of Starts	Number of Failures	Percent Loading of DG (KW)	Duration of Run Before Stop For Each DG Failure	Identification of Failure (Refer to attached LERs or Table 3)
Tech. Spec Req'd Test Monthly Surveillance (1 hr) (1 start/test)	102	12	0	100		
	103	12	0	100		
DG Actual Demand Starts not for Testing	102	0	--	---		
	103	0	--	---		
Miscellaneous Tests (Specify Type) Emergency D.G. Inoperable Component Operability Surveillance test (1.hr) (1 start/test)	102	1	0	100		
	103	2	0	100		
Verify Repairs (1 hr) (1 start/test)	102	1	0	100		
	103	1	0	100		







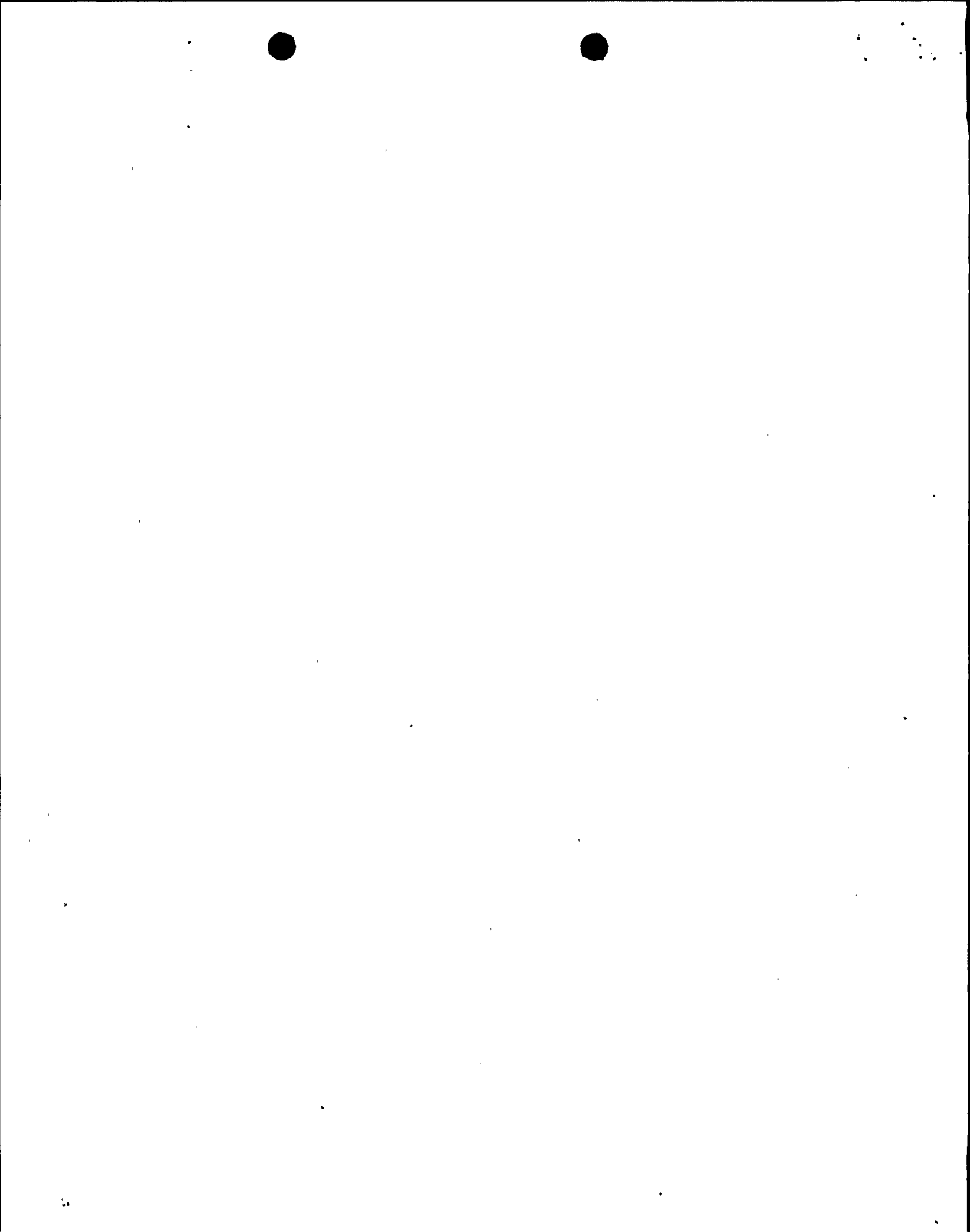


TABLE 1

Diesel Generator Operations Data
 Calendar Year 19 80

Reason for DG Operation, & scheduled Duration of Run	DG No.	Number of Starts	Number of Failures	Percent Loading of DG (KW)	Duration of Run Before Stop For Each DG Failure	Identification of Failure (Refer to attached LERs or Table 3)
Tech. Spec Req'd Test Monthly Surveillance (1 hr.) (1 start/test)	102	12	0	100		
	103	12	0	100		
DG Actual Demand Starts not for Testing Loss of 115kV power (4 hrs.)	102	1	0	>10		LER#80-33 Start of D.G.#102
	103	0	0			
Miscellaneous Tests (Specify Type) Emergency Diesel Generator Inoperable Component Operability Surveillance Test (1 hr.) (1 start/test)	102	1	0	100		
	103	1	0	100		
Verify Repairs (1 hr) (1 start/test) #102 Diesel Generator half load test(40 min.)(1 start/test)	102	1	0	50		

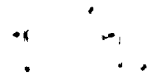


TABLE 2

Diesel Generator Scheduled Downtime Record
 Calendar Year 1976

Enclosure 1 - Page 2
 Plant Name Nine Mile Point
 Unit No. 1

Reason for Downtime	Hours of Downtime										Comments
	Reactor shutdown					Reactor not shutdown					
	DGF 102	DGF 103	DGF	DGF	DGF	DGF 102	DGF 103	DGF	DGF	DGF	
Scheduled Maintenance	0	0				0	0				No downtime required for preventive maintenance was necessary.
Time DG is unavailable for emergency service because of required tests	0	0				0	0				

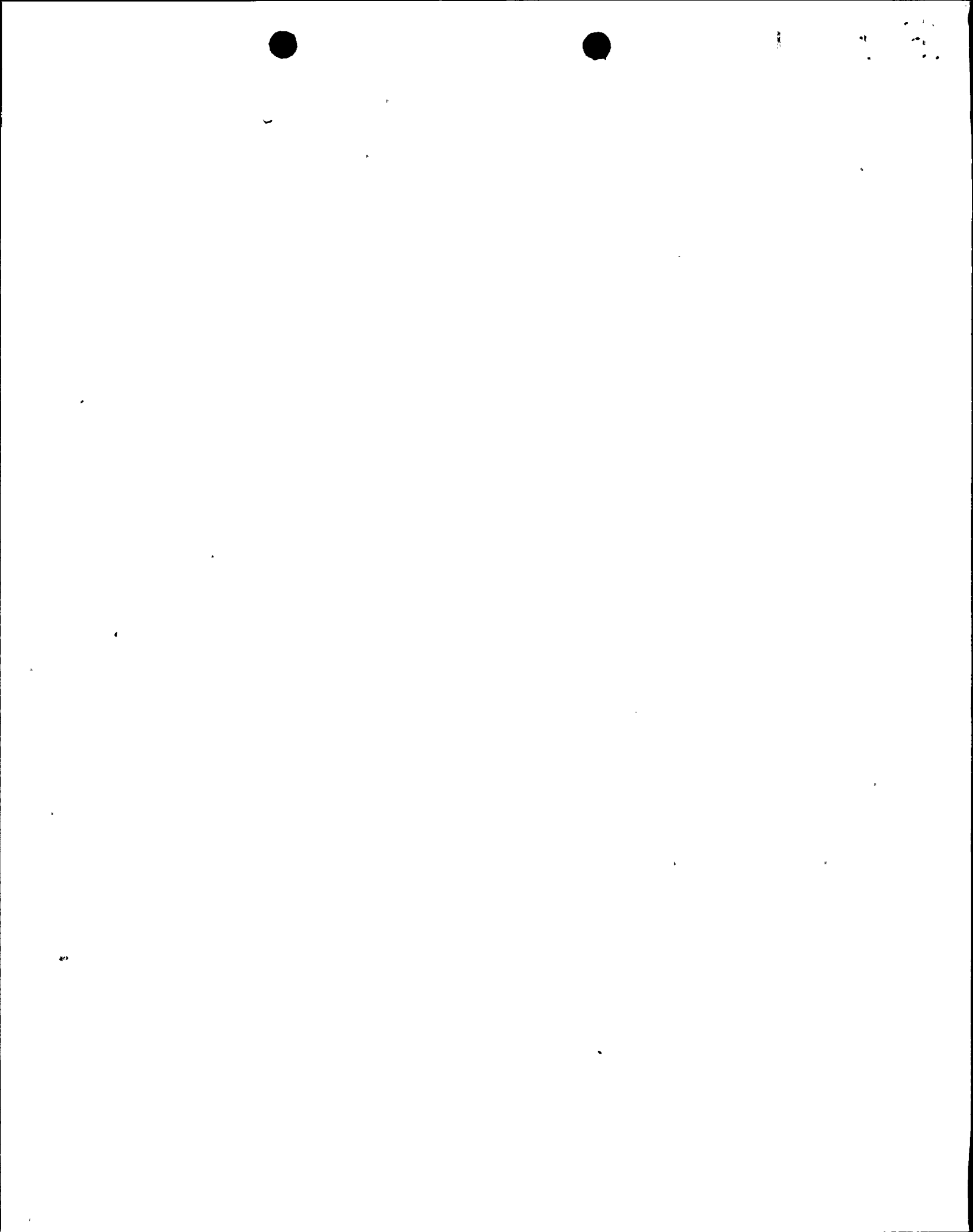


TABLE 2

Diesel Generator Scheduled Downtime Record
Calendar Year 1977

Enclosure 1 - Page 2
Plant Name Nine Mile Point
Unit No. 1

Reason for Downtime	Hours of Downtime										Comments
	Reactor shutdown					Reactor not shutdown					
	DGF 102	DGF 103	DGF	DGF	DGF	DGF 102	DGF 103	DGF	DGF	DGF	
Scheduled Maintenance	0	0				0	0				No downtime required for preventive maintenance was necessary.
Time DG is unavailable for emergency service because of required tests	0	0				0	0				



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TABLE 2

Diesel Generator Scheduled Downtime Record
 Calendar Year 1978

Enclosure 1 - Page 2
 Plant Name Nine Mile Point
 Unit No. 1

Reason for Downtime	Hours of Downtime										Comments
	Reactor shutdown					Reactor not shutdown					
	DG# 102	DG# 103	DG#	DG#	DG#	DG# 102	DG# 103	DG#	DG#	DG#	
Scheduled Maintenance	0	0				0	0				No downtime required for preventive maintenance was necessary.
Time DG is unavailable for emergency service because of required tests	0	0				0	0				



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TABLE 2

Diesel Generator Scheduled Downtime Record
 Calendar Year 19 79

Enclosure 1 - Page 2
 Plant Name Nine Mile Point
 Unit No. 1

Reason for Downtime	Hours of Downtime										Comments	
	Reactor shutdown					Reactor not shutdown						
	DG# 102	DG# 103	DG#	DG#	DG#	DG# 102	DG# 103	DG#	DG#	DG#		
Scheduled Maintenance												
18 Month Preventive Maintenance	24	24				0	0					
Time DG is unavailable for emergency service because of required tests	24	24				0	0					



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TABLE 2

Diesel Generator Scheduled Downtime Record
Calendar Year 1980

Enclosure 1 - Page 2
Plant Name Nine Mile Point
Unit No. 1

Reason for Downtime	Hours of Downtime										Comments
	Reactor shutdown					Reactor not shutdown					
	DGF 102	DGF 103	DGF	DGF	DGF	DGF 102	DGF 103	DGF	DGF	DGF	
Scheduled Maintenance 18 Month Preventive Maintenance	0	0				24	24				
Time DG is unavailable for emergency service because of required tests	0	0				24	24				



TABLE 3

Diesel Generator Unscheduled Downtime Record
Calendar Year 19 76-80

Enclosure 1 - Page 3
Plant Name Nine Mile Point
Unit No. 1

LER Abstract No (Refer to attached LER Abstracts)	Downtime Hours				Comments - If any of the reported failures would not have been a failure under emergency conditions, please explain here. Refer to attached LERs or the failures listed in Table 1.
	Total Hours	Trouble-shooting	Parts, Delivery, etc	Repair/replace	
1 (80-18)	8	1	6	1	
2 (79-23)	21	1	16	4	
3 (79-04)	12.5	0	12.5	0	
4 & 5 (78-14)	8	.5	6	1.5	
No LER					
1 (1976)	12	0	11.5	.5	Small oil leak on #103 D.G. fuel line. Diesel would have operated in an emergency.

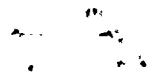


TABLE 4

Onsite Emergency Diesel Generator and
Auxiliary Equipment Modification RecordEnclosure 1 - Page 4
Plant Name Nine Mile Point
Unit No. 1

Equipment or procedure modified	Date of Mod,	Reason for Modification and Desired Improvement	Description of Modification
Control Circuits	3/77	Undervoltage relays were not Sufficient.	Installed additional undervoltage relays to the Diesel Generator control circuit power boards.
Diesel Generator Low Fuel Level Alarms.	3/80	Seperate indication for low fuel oil level needed to give indication for low fuel oil level if another failure occurs which causes alarm indication.	Changed annunciation to give seperate indication for low fuel oil level for both diesels.
Floor Drain System	11/80	To provide adequate fire zone protection.	The floor drain systems in the Diesel Generator rooms were seperated to give isolation from each other in case of fire.



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