



**Constellation
Energy Group**

Nine Mile Point
Nuclear Station

January 12, 2004
NMP1L 1807

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Nine Mile Point Unit 1
Docket No. 50-220
Facility Operating License No. DPR-63

Licensee Event Report 03-003, "Automatic Initiation of Emergency Diesel
Generator 103 due to Momentary Loss of Offsite Power"

Gentlemen:

In accordance with 10 CFR 50.73(a)(2)(iv)(A), we are submitting Licensee Event Report (LER)
03-003, "Automatic Initiation of Emergency Diesel Generator 103 due to Momentary Loss of
Offsite Power."

Very truly yours,

A handwritten signature in cursive script that reads "LA Hopkins".

Lawrence A. Hopkins
Plant General Manager

LAH/JT/bjh

Attachment

cc: Mr. H. J. Miller, NRC Regional Administrator, Region I
Mr. G. K. Hunegs, NRC Senior Resident Inspector

IE22

LICENSEE EVENT REPORT (LER)

Estimated burden per response to comply with this mandatory information collection request: 60 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to hjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

FACILITY NAME (1) Nine Mile Point, Unit 1	DOCKET NUMBER (2) 05000220	PAGE (3) 1 OF 3
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TITLE (4)
Automatic Initiation of Emergency Diesel Generator 103 due to Momentary Loss of Offsite Power

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
11	13	2003	2003	- 003	- 00	1	12	2004	FACILITY NAME	DOCKET NUMBER 05000
									FACILITY NAME	DOCKET NUMBER 05000

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply) (11)				
POWER LEVEL (10) 100	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(II)	<input type="checkbox"/> 50.73(a)(2)(II)(B)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)	
	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(III)	<input type="checkbox"/> 50.73(a)(2)(x)	
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 50.36(c)(1)(I)(A)	<input checked="" type="checkbox"/> 50.73(a)(2)(IV)(A)	<input type="checkbox"/> 73.71(a)(4)	
	<input type="checkbox"/> 20.2203(a)(2)(I)	<input type="checkbox"/> 50.36(c)(1)(II)(A)	<input type="checkbox"/> 50.73(a)(2)(V)(A)	<input type="checkbox"/> 73.71(a)(5)	
	<input type="checkbox"/> 20.2203(a)(2)(II)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(V)(B)	OTHER	
	<input type="checkbox"/> 20.2203(a)(2)(III)	<input type="checkbox"/> 50.46(a)(3)(II)	<input type="checkbox"/> 50.73(a)(2)(V)(C)	Specify in Abstract below or in	
	<input type="checkbox"/> 20.2203(a)(2)(IV)	<input type="checkbox"/> 50.73(a)(2)(I)(A)	<input type="checkbox"/> 50.73(a)(2)(V)(D)	NRC Form 366A	
	<input type="checkbox"/> 20.2203(a)(2)(V)	<input type="checkbox"/> 50.73(a)(2)(I)(B)	<input type="checkbox"/> 50.73(a)(2)(VII)		
	<input type="checkbox"/> 20.2203(a)(2)(VI)	<input type="checkbox"/> 50.73(a)(2)(I)(C)	<input type="checkbox"/> 50.73(a)(2)(VIII)(A)		
<input type="checkbox"/> 20.2203(a)(3)(I)	<input type="checkbox"/> 50.73(a)(2)(II)(A)	<input type="checkbox"/> 50.73(a)(2)(VIII)(B)			

LICENSEE CONTACT FOR THIS LER (12)

NAME Michael T. Navin, Manager Operations	TELEPHONE NUMBER (Include Area Code) 315-349-2421
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE).	X	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On November 13, 2003 at 2149 hours, Emergency Diesel Generator (EDG) 103 automatically initiated due to a momentary loss of offsite 115 kV power source Line #4 and an abnormal plant configuration.

Nine Mile Point Unit 1 receives 115 kV service from two offsite power sources, Line #1 and Line #4. Line #1 and Line #4 supply power to 4160 V emergency power boards (PB) #102 and #103, respectively. The two offsite sources are connected through a 115 kV reserve bus and a normally closed disconnect switch MDS-8106. The reserve bus, with a closed disconnect switch, allows one offsite power source to feed both emergency PBs. In the event offsite power is unavailable, each PB can be supplied power from its associated EDG which automatically initiates on a low voltage condition.

The apparent cause of the event was 1) high wind conditions which resulted in a momentary loss of Line #4 together with 2) the abnormal configuration of failed switch MDS-8106 (i.e., open) to facilitate required maintenance activities. With MDS-8106 in the normally closed position, the loss of Line #4 would not have affected PB 103 and EDG 103 would not have automatically initiated. Immediate actions included verification of proper plant response and entry into appropriate operating procedures. Reserve bus disconnect switch MDS-8106 has been repaired.

The automatic initiation of EDG 103 is reportable in accordance with 10 CFR 50.73(a)(2)(iv)(A).

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET (2) NUMBER (2)	LER NUMBER (6)			PAGE (3)
Nine Mile Point, Unit 1	05000220	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 3
		2003	-- 003	-- 00	

NARRATIVE (If more space is required, use additional copies of NRC Form 366A) (17)

I. Description of Event

On November 13, 2003 at 2149 hours, with the reactor at approximately 100% power, Emergency Diesel Generator (EDG) 103 automatically initiated due to the momentary loss of offsite 115 kV power source Line #4 and an abnormal plant configuration.

Nine Mile Point Unit 1 (NMP1) receives 115 kV service from two offsite power sources, Line #1 and Line #4. Line #1 and Line #4 provide power to 4160 V emergency power boards (PB) #102 and #103, respectively. The two offsite sources are connected through a 115 kV reserve bus and a normally closed, bus sectionalizing motor-operated disconnect switch MDS-8106. The reserve bus, with the closed disconnect switch, allows one offsite power source to feed both emergency PBs. In the event offsite power is unavailable, each PB can be supplied power from its associated EDG. EDG 103 (PB #103) and EDG 102 (PB #102) will automatically initiate on a low voltage condition.

On November 13, 2003 at 2149 hours, high wind conditions resulted in the momentary loss of Line #4. At the time, failed switch MDS-8106 was open to facilitate required maintenance activities on the switch. As a result, Line #1 was unavailable to provide power to PB #103. Consequently, the loss of Line #4 resulted in a low voltage condition on PB #103 and the automatic initiation of EDG 103. Also, loss of Line #4 resulted in an undervoltage condition on PB #101, causing the trip of recirculation pump #13, and a subsequent reduction in reactor power.

II. Cause of Event

The apparent cause of the event was 1) high wind conditions which resulted in the temporary loss of Line #4, together with 2) the abnormal configuration of reserve bus disconnect switch MDS-8106 (i.e., MDS-8106 was open). Failed switch MDS-8106 was in the open position to facilitate necessary maintenance activities. With MDS-8106 in the closed position, Line #1 would have been available to supply uninterrupted power to PB #103 and EDG 103 would not have automatically initiated.

III. Analysis of Event

The automatic initiation of EDG 103 is reportable in accordance with 10 CFR 50.73(a)(2)(iv)(A). The event did not pose a threat to the health and safety of plant personnel or the public based on the following:

Plant systems responded as designed to the loss of Line #4 event.

EDG 103 automatically initiated as designed on a low voltage condition to supply power to PB #103.

Offsite power source Line #1 as well as EDG 102 were operable and available to supply power to redundant emergency PB #102.

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		2003	-- 003	-- 00		

NARRATIVE (If more space is required, use additional copies of NRC Form 366A) (17)

IV. Corrective Actions

Immediate actions included verification that the plant responded properly to the loss of Line #4 event and entry into appropriate operating procedures. Reserve bus disconnect switch MDS-8106 has been repaired. Preventive maintenance procedures will be generated/ revised, as necessary, to enhance reliability of the subject switch.

V. Additional Information

1. Failed Components: None
2. Previous similar events: None
3. Identification of components referred to in this Licensee Event Report:

<u>Components</u>	<u>IEEE 805 System ID</u>	<u>IEEE 803A Function</u>
115 kV Offsite Power System	FK	N/A
Emergency Diesel Generator	EK	DG
Reserve Bus	FK	BU
Disconnect Switch	FK	DISC
Recirculation Pump	AD	P
Power Board	EB	BD