

## LICENSEE EVENT REPORT (LER)

Form Rev. 2.0

Facility Name (1)

Docket Number (2)

Page (3)

Quad Cities Unit One

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Title (4)

Unit One Unexpected Start Of Emergency Diesel Generator Due To An Inadequate Procedure

Event Date (5)

LER Number (6)

Report Date (7)

Other Facilities Involved (8)

Month Day Year

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THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR  
(Check one or more of the following) (11)

20.402(b)

20.405(a)(1)(i)

20.405(a)(1)(ii)

20.405(a)(1)(iii)

20.405(a)(1)(iv)

20.405(a)(1)(v)

20.405(c)

50.36(c)(1)

50.36(c)(2)

50.73(a)(2)(i)

50.73(a)(2)(ii)

50.73(a)(2)(iii)

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50.73(a)(2)(iv)

50.73(a)(2)(v)

50.73(a)(2)(vii)

50.73(a)(2)(viii)(A)

50.73(a)(2)(viii)(B)

50.73(a)(2)(x)

73.71(b)

73.71(c)

Other (Specify

in Abstract

below and in

Text)

LICENSEE CONTACT FOR THIS LER (12)

NAME

TELEPHONE NUMBER

Nick Chrissotimos, Regulatory Assurance, Ext. 3100

AREA CODE

3 | 0 | 9 | 6 | 5 | 4 | - | 2 | 2 | 4 | 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

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 fifteen single-space typewritten lines) (16)

## ABSTRACT

On 2-22-96 at 1729 hours, with Unit 1 in cold shutdown, an unanticipated start occurred on the Unit 1 Emergency Diesel Generator (EDG)[EK]. Overspeed trip testing was in progress in accordance with procedure QCMMS 6600-03, "EMERGENCY DIESEL GENERATOR PERIODIC PREVENTIVE MAINTENANCE INSPECTION." The control room EDG switch position was not in the proper position for the configuration of the test and, after the EDG overspeed reset button was depressed, an unanticipated start of the Diesel Generator occurred. Procedure QCMMS 6600-03 will be revised to clarify switch settings.

LER254\96\003.WPF

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		Year	Sequential Number	Revision Number	
Quad Cities Unit One	0   5   0   0   0   2   5   4	9   6	0   0   3	0   0	2   OF   0   3
TEXT Energy Industry Identification System (EIS) codes are identified in the text as (XX)					

PLANT AND SYSTEM IDENTIFICATION:

General Electric - Boiling Water Reactor - 2511 Mwt rated core thermal power.

EVENT IDENTIFICATION: Unit One unexpected start of emergency diesel generator due to an inadequate procedure.

A. CONDITIONS PRIOR TO EVENT:

Unit: One                      Event Date: February 22, 1996                      Event Time: 1729  
 Reactor Mode: 1              Mode Name: Shutdown                      Power Level: 0

This report was initiated by Licensee Event Report LER 254\96-003.

SHUTDOWN (1) - In this position, a reactor scram is initiated, power to the control rod drives is removed, and the reactor protection trip systems have been deenergized for 10 seconds prior to permissive for manual reset.

B. EVENT DESCRIPTION

On 2-22-96, at 1729 hours, with Unit 1 in Cold Shutdown, while performing Unit 1 Emergency Diesel Generator (EDG) [EK] overspeed testing in accordance with QCMMS 6600-03, "EMERGENCY DIESEL GENERATOR PERIODIC PREVENTIVE MAINTENANCE INSPECTION," the Unit 1 Emergency Diesel Generator unexpectedly started after the overspeed trip was reset. The control room switch for the EDG was in the "start" position per the Operating procedure that was used for guidance and the option within the Maintenance procedure to start the EDG remotely from the control room was used.

The overspeed trip test was conducted successfully. The overspeed alarm displayed, as expected, on local Panel 2251-113 (engine control Panel) and on the local 2251-10 Panel (relay and metering Panel). Operations reset the mechanical overspeed trip lever and, when the overspeed alarm reset button on local Panel 2251-113 (engine control panel) was depressed, the Unit 1 EDG started unexpectedly.

A four hour ENS phone call was made at 2115 hours on 2/22/96 in accordance with 10CFR 50.72(b)(2)(iii).

C. APPARENT CAUSE of EVENT

The cause of this event is inadequate guidance within procedure QCMMS 6600-03, "EMERGENCY DIESEL GENERATOR PERIODIC PREVENTIVE MAINTENANCE INSPECTION" which does not give Operating personnel specific steps to follow for the starting of the EDG. For this reason, operating personnel chose to follow QCOP 6600-02, "DIESEL GENERATOR 1(2) START-UP." This places the control room EDG switch in the "start" position when starting the EDG from the control room, step F.3.b.(3). However, there was no direction within the procedure for proper switch settings necessary for resetting the overspeed trip device following the overspeed trip testing. As a result, after the overspeed trip reset button was depressed, the EDG unexpectedly restarted.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		9   6   -	0   0   3	-   0   0	

TEXT Energy Industry Identification System (EIS) codes are identified in the text as [XX]

Procedure QCMMS 6600-03 has been successfully completed in the past, however, the option to start the EDG from the control room had not been used.

D. SAFETY ANALYSIS OF EVENT

The safety significance of this event is minimal since Unit 1 was in the Cold Shutdown Mode and the Unit 1/2 Emergency Diesel Generator was operable. All Technical Specification requirements were met.

E. CORRECTIVE ACTIONS

Corrective Actions Completed:

The operator phoned the Unit 1 NSO and it was determined to put the remote control switch (at Panel 901-8) to the stop position in accordance with established procedures. The Unit 1 EDG ran normally during the cooldown and then shut down, as expected.

Corrective Actions to be Completed:

QCMMS 6600-03 will be revised to correct the concern of the control room EDG switch position. The revision is to be completed prior to the next surveillance and no later than 8-15-96 (NTS 2541809600301).

F. PREVIOUS EVENTS

A search has revealed that no previous occurrences were identified of inadvertent EDG starts due to inadequate procedures at Quad Cities.

G. COMPONENT FAILURE DATA

No equipment failures took place.