

# LICENSEE EVENT REPORT

CONTROL BLOCK 0111173171

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME WYJAF1 LICENSE NUMBER 010-010000-010 LICENSE TYPE 4 UNIT TYPE 011

CONT. CATEGORY PO REPORT TYPE 0 REPORT SOURCE L DOCKET NUMBER 050-0333 EVENT DATE 031375 REPORT DATE 032075

**EVENT DESCRIPTION (20-75-29)**

02 DURING AN OPERABILITY CHECK, AIND C EMERGENCY DIESEL GENERATOR FAILED TO  
 03 FORCE PARALLEL. A DROPPING RESISTOR IN THE CIRCUIT TO THE SPEED RELAY WAS BURNED  
 04 DAMAGED AIR START MOTORS WERE REPAIRED AND THE AIR GEAR REFINISHED ON THE  
 05 A UNIT. REDUNDANT SYSTEMS WERE AVAILABLE. EDG BRUCE PART NO.  
 06 71-A-1455.

07 SYSTEM CODE ED CAUSE CODE E COMPONENT CODE ENGINE PRIME COMPONENT PART NO.  COMPONENT MANUFACTURER 8485 RELATION

**CAUSE DESCRIPTION**

08 SPEED RELAY CIRCUIT PROBLEMS CAUSED THE PRIMARY AND SECONDARY AIR  
 09 START MOTORS TO TRY TO ENGAGE AS THE A EDG WAS ACCELERATING TO  
 10 HIGH SPEED WHICH DAMAGED THE AIR MOTOR PIGNO GEARS.

11 FACILITY STATUS B % POWER 005 OTHER STATUS STARTUP METHOD OF DISCOVERY B DISCOVERY DESCRIPTION SURVEILLANCE  
 FORM OF ACTIVITY RELEASED B CONTENT OF RELEASE LNA AMOUNT OF ACTIVITY LNA LOCATION OF RELEASE LNA

**PERSONNEL EXPOSURES**  
 NUMBER 000 TYPE B DESCRIPTION LNA

**PERSONNEL INJURIES**  
 NUMBER 000 DESCRIPTION LNA

**OFFSITE CONSEQUENCES**  
LNA

**LOSS OR DAMAGE TO FACILITY**  
 TYPE B DESCRIPTION LNA

**PUBLICITY**  
LNA

**ADDITIONAL FACTORS**  
LNA

12327  
NIAGARA MOHAWK POWER CORPORATION

NIAGARA MOHAWK

DATE: March 14, 1975

SUBJECT: Abnormal Occurrence Report No. 50-333-75-29  
(10 Day Letter)

The enclosed Abnormal Occurrence Report is being submitted in accordance with Technical Specification Section 6.

TO: James P. O'Reilly  
Directorate of Regulatory Operations  
Region 1  
631 Park Avenue  
King of Prussia, Pa. 19406

FROM: Niagara Mohawk Power Corporation  
Nine Mile Point - James A. FitzPatrick Site  
P.O. Box #32  
Lycoming, New York 13093  
Docket No. 50-333

REFERENCE: License DPR- 59

Report No. : 50-333 / 75- 29

Report Date: March 14, 1975

Occurrence Date: March 13, 1975

Facility: JAF-NY

Identification of Occurrence:

Failure of "A" and "C" emergency diesel-generator to successfully complete start sequence (redundant set "B" & "D" operable)

# NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK

**Conditions Prior to Occurrence:**

<input type="checkbox"/>	Steady State Power	<input type="checkbox"/>	Routine Shutdown
<input type="checkbox"/>	Hot Standby	<input type="checkbox"/>	
<input type="checkbox"/>	Cold Shutdown	<input type="checkbox"/>	Load Changes
<input type="checkbox"/>	Refueling Shutdown	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Routine Startup	<input type="checkbox"/>	Other

**Description of the Occurrence:**

During operability check of "A" & "C" emergency diesel generator, they failed to force parallel due to problems in the starting air motor sequencing for "A" EDG.

**Apparent Cause of the Occurrence:**

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Procedure
<input type="checkbox"/>	Unusual Service Condition
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Component Failure
<input type="checkbox"/>	Other (Specify)

**Analysis of Occurrence:**

"C" EDG would energize automatically its emergency bus if required by an under voltage condition and "A" EDG could have been manually placed on the emergency bus if required. Therefore, no hazard would be presented to the general public.

**Corrective Action:**

Preliminary investigation revealed potential problems with the speed relay which caused the primary and secondary air start motors to try to engage as the "A" EDG was accelerating to rated speed, damaging air motor piono gears. A dropping resistor in the circuit to the speed relay was removed allowing operation of the relay further from the low voltage cut off point. Air starting motors were replaced and the ring gear refinished.

**Failure Data:**

First failure of this nature on the EDG  
Bruce part 71-A1-1155.