

Gienna Station
April 8, 1974

Mr. James P. O'Reilly, Director
Directorate of Regulatory Operations
Region I
U. S. Atomic Energy Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Subject: Abnormal Occurrences: 74-4 - "Failure of the 1C Safety Injection
Pump to Start Manually from Bus 16"
Gienna Station, Unit #1
Docket #50-244

Dear Mr. O'Reilly:

This is to confirm my phone call to Mr. Walter Baunack on Sunday, April 7,
1974 to report Abnormal Occurrence 74-4 at Gienna Station.

While conducting Periodic Test (PT-2.1), and following the satisfactory test
of the 1-A and 1-B Safety Injection Pumps, the 1-C Safety Injection Pump
which can be operated from either Bus 14 or Bus 16, failed to start manually
on Bus 16 two of the four times it was tried. This is the second time a fail-
ure of this nature has occurred at Gienna Station. The other time was on June
11 and June 12, 1973 and reported to the AEC as Abnormal Occurrences 73-3 and
73-4.

The electricians were called in and the wiring circuitry and all interlocks
were checked. The following two causes for the failure were found:

- (1) A 1 MFD capacitor in the control circuit was found to fail inter-
mittently. This is connected in series with a 5 ohm resistor and
they are in parallel with a normally open contact for the white
breaker trip light and the 74 BFD alarm relay. This failure
caused a white light and alarm.
- (2) The tripper bar switch was also found to be closing too soon
allowing the "X" relay to operate the circuit breaker closing
the solenoid before the lockout coil could engage the mechanical
latch assembly. This caused a trip-free operation and breaker
closing failure. This was also an intermittent failure.

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UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

20.

Dist. Code 2

Chief, Field Services and
Enforcement Branch, HQ

ABNORMAL OCCURRENCE

Licensee:

Docket No.:

Abnormal Occurrence:

The attached report from the subject licensee is forwarded in accordance with RO Manual Chapter 1000. Follow-up will be performed during the next inspection, as appropriate. Copies of the report have been forwarded to the PDR, Local PDR, NSIC, DTIE, and State representatives. The licensee will submit a 10-day written report to Licensing.

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U.S. ATOMIC ENERGY COM.
DIVISION OF COMPLIANCE

*Received
4-17-74*