



Consumers
Power
Company

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General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

June 14, 1974

Mr. John F. O'Leary, Director
Directorate of Licensing
US Atomic Energy Commission
Washington, DC 20545

Re: Docket 50-255
License DPR-20
Palisades Plant
A0-09-74

Dear Mr. O'Leary:

The attached abnormal occurrence report A0-09-74 describes
the plugging of the intake filter on the emergency diesel generator.

Yours very truly,

Ralph B. Sewell (Signed)

RBS/ce

Ralph B. Sewell
Nuclear Licensing Administrator

CC: JGKeppler, USAEC

Handwritten signature and date:
5/25/74

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ABNORMAL OCCURRENCE REPORT
Palisades Plant

1. Report No: AO-09-74
2. a. Report Date: June 14, 1974
b. Occurrence Date: June 4, 1974
3. Facility: Palisades Plant, Docket 50-255
4. Identification of Occurrence: Emergency diesel intake filter plugging.
5. Conditions Prior to Occurrence: Refueling outage - plant in cold shutdown.
6. Description of Occurrence: During the monthly test run, diesel 1-1 would attain a stable load of 2.4 MW, which is 95% of rated. Investigation revealed no obvious governor or other control problems. However, the intake manifold pressure was low and exhaust fumes were dark. The intake filter canister was opened and revealed excessive black deposits on the filter element. This element was changed and a subsequent 2-hour full-load test run was completed successfully.

7. & 8. Designation of Cause and Analysis of Occurrence: Both diesel intake filters were cleaned about one year ago and at that time showed no significant plugging. The other diesel intake filter still appears to be clean and therefore raises the question of why this one plugged more rapidly. The only plausible explanation seems to be that exhaust fumes blew back into the open adjacent area due to wind conditions during past running periods. This condition can easily exist and could have contributed to the premature plugging of the intake filter.

Since these filters are enclosed in a metal canister and are quite inaccessible, they have not received frequent inspection in the past.

9. Corrective Action:
 - a. A low limit has been placed on the manifold pressure readings taken during monthly runs. A reading of <15 psi (the incident reading was 11 psi) will initiate changing of the filter.
 - b. A 3-month inspection interval has been established via the plant preventive maintenance program. This will provide inspection after every 6- to 10-hours of diesel running.
10. Failure Data: None