



**Consumers  
Power  
Company**

**REGULATORY DOCKET FILE COPY**

*D. Lankam*

**COPY**

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

December 9, 1977

Mr James G Keppler  
Office of Inspection and Enforcement  
Region III  
US Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137



DOCKET 50-255, LICENSE DPR-20  
PALISADES PLANT - ER-77-53 - IODINE  
REMOVAL SYSTEM

Attached is a reportable occurrence that relates to the Iodine Removal System  
at the Palisades Plant.

David P Hoffman (Signed)

David P Hoffman  
Assistant Nuclear Licensing Administrator

CC: ASchwencer, USNRC

DEC 15 1977

# LICENSEE EVENT REPORT

Palisades

[PLEASE PRINT ALL REQUIRED INFORMATION]

CONTROL BLOCK:           

|  |  |   |   |
|--|--|---|---|
| LICENSEE NAME  | LICENSE NUMBER   | LICENSE TYPE  | EVENT TYPE  |
| <span style="border: 1px solid black; padding: 0 5px;">01</span> M A P A L 1 | <span style="border: 1px solid black; padding: 0 5px;">00</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">00</span> <span style="border: 1px solid black; padding: 0 5px;">00</span> <span style="border: 1px solid black; padding: 0 5px;">00</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">00</span> | <span style="border: 1px solid black; padding: 0 5px;">4</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> | <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">3</span> |
| 7 8 9 14   | 15 25  | 26 30   | 31 32   |

|   |   |   |   |   |
|---|---|---|---|---|
| REPORT TYPE   | REPORT SOURCE   | DOCKET NUMBER   | EVENT DATE  | REPORT DATE   |
| <span style="border: 1px solid black; padding: 0 5px;">01</span> CONT <span style="border: 1px solid black; padding: 0 5px;">*</span> <span style="border: 1px solid black; padding: 0 5px;">*</span> | <span style="border: 1px solid black; padding: 0 5px;">L</span> | <span style="border: 1px solid black; padding: 0 5px;">05</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">-</span> <span style="border: 1px solid black; padding: 0 5px;">02</span> <span style="border: 1px solid black; padding: 0 5px;">5</span> <span style="border: 1px solid black; padding: 0 5px;">5</span> | <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> | <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">2</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> <span style="border: 1px solid black; padding: 0 5px;">7</span> |
| 7 8 57 58 59  | 60  | 61 68   | 69 74   | 75 80   |

## EVENT DESCRIPTION

|   |   |   |   |    |
|---|---|---|---|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">02</span> During power operation, a low pressure alarm was received on the Iodine removal    | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">03</span> hydrazine tank (T-102). The NaOH (T-103) tank was available. Event non-repetitive. | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">04</span> Reportable per Tech Spec 3.19.1. Pressure was restored within 8 hours. (77-053)    | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">05</span>  | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">06</span>  | 80 |

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| SYSTEM CODE  | CAUSE CODE  | COMPONENT CODE  | PRIME COMPONENT SUPPLIER  | COMPONENT MANUFACTURER  | VIOLATION   |
| <span style="border: 1px solid black; padding: 0 5px;">07</span> S H | <span style="border: 1px solid black; padding: 0 5px;">B</span> | <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">Z</span> | <span style="border: 1px solid black; padding: 0 5px;">Z</span> | <span style="border: 1px solid black; padding: 0 5px;">Z</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> <span style="border: 1px solid black; padding: 0 5px;">9</span> | <span style="border: 1px solid black; padding: 0 5px;">N</span> |
| 7 8 9 10   | 11  | 12 17   | 43  | 44 47   | 48  |

## CAUSE DESCRIPTION

|   |   |   |   |    |
|---|---|---|---|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">08</span> Water in the Nitrogen line between the pressure regulator and the tank prevented | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">09</span> the regulator from maintaining tank pressure. If condition reoccurs, appropriate | 80 |
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">10</span> design changes will be considered.   | 80 |

|  |   |   |   |   |
|--|---|---|---|---|
| FACILITY STATUS  | % POWER   | OTHER STATUS  | METHOD OF DISCOVERY   | DISCOVERY DESCRIPTION   |
| <span style="border: 1px solid black; padding: 0 5px;">11</span> E | <span style="border: 1px solid black; padding: 0 5px;">1</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> <span style="border: 1px solid black; padding: 0 5px;">0</span> | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> | <span style="border: 1px solid black; padding: 0 5px;">a</span> | <span style="border: 1px solid black; padding: 2px;">Alarm in Control Room</span> |
| 7 8 9  | 10 12 13  | 44  | 45  | 46 80   |

|  |   |   |   |
|--|---|---|---|
| FORM OF ACTIVITY RELEASED  | CONTENT OF RELEASE  | AMOUNT OF ACTIVITY  | LOCATION OF RELEASE   |
| <span style="border: 1px solid black; padding: 0 5px;">12</span> Z | <span style="border: 1px solid black; padding: 0 5px;">Z</span> | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> |
| 7 8 9  | 10 11   | 44  | 45 80   |

## PERSONNEL EXPOSURES

|  |   |   |
|--|---|---|
| NUMBER   | TYPE  | DESCRIPTION   |
| <span style="border: 1px solid black; padding: 0 5px;">13</span> 0 0 0 | <span style="border: 1px solid black; padding: 0 5px;">Z</span> | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> |
| 7 8 9 11   | 12  | 13 80   |

## PERSONNEL INJURIES

|  |   |
|--|---|
| NUMBER   | DESCRIPTION   |
| <span style="border: 1px solid black; padding: 0 5px;">14</span> 0 0 0 | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> |
| 7 8 9 11   | 12 80   |

## PROBABLE CONSEQUENCES

|   |   |   |  |    |
|---|---|---|--|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">15</span> N/A | 80 |
|---|---|---|--|----|

## LOSS OR DAMAGE TO FACILITY

|  |   |
|--|---|
| TYPE   | DESCRIPTION   |
| <span style="border: 1px solid black; padding: 0 5px;">16</span> | <span style="border: 1px solid black; padding: 0 5px;">N/A</span> |
| 7 8 9 10   | 80  |

## PUBLICITY

|   |   |   |  |    |
|---|---|---|--|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">17</span> N/A | 80 |
|---|---|---|--|----|

## ADDITIONAL FACTORS

|   |   |   |  |    |
|---|---|---|--|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">18</span> N/A | 80 |
|---|---|---|--|----|

|   |   |   |  |    |
|---|---|---|--|----|
| 7 | 8 | 9 | <span style="border: 1px solid black; padding: 2px;">19</span> | 80 |
|---|---|---|--|----|