

POWER AUTHORITY OF THE STATE OF NEW YORK
 JAMES A. FITZPATRICK NUCLEAR POWER PLANT

DPR-59, Docket No. 50-333

Personnel Radiation Exposure Summary
 Number of Personnel and Man Rem by Work Function
 Calendar Year 1981

PLANT FUNCTION: ROUTINE SURVEILLANCE AND INSPECTION

| <u>Work Function</u> | NUMBER OF PERSONNEL | | TOTAL MAN REM | |
|---------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | 36 | 126 | 5 | 26 |
| Instrument and Control | 21 | 0 | 7 | 0 |
| Radiation Protection and Chemistry | 20 | 71 | 10 | 59 |
| Operations | 17 | 4 | 1 | 0 |
| Engineering and Supervision | 22 | 32 | 2 | 2 |
| Security | 104 | 0 | 25 | 0 |
| Others (Visitors, Clerical, etc.) | <u>3</u> | <u>13</u> | <u>1</u> | <u>2</u> |
| Totals | <u>223</u> | <u>246</u> | <u>51</u> | <u>89</u> |
| CATEGORY TOTAL | | 469 | | 140 |

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PLANT FUNCTION: ROUTINE PLANT MAINTENANCE

| <u>Work Function</u> | <u>NUMBER OF PERSONNEL</u> | | <u>TOTAL MAN REM</u> | |
|------------------------------------|----------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | | | | |
| Mechanics | 41 | 584 | 77 | 227 |
| Electricians | 15 | 3 | 27 | 3 |
| Building and Grounds | 9 | 119 | 7 | 8 |
| Instrument and Control | 24 | 1 | 23 | 0 |
| Radiation Protection and Chemistry | 6 | 3 | 0 | 0 |
| Operations | 44 | 0 | 9 | 0 |
| Engineering and Supervision | 30 | 123 | 5 | 20 |
| Others (Visitors, Clerical, etc.) | <u>30</u> | <u>13</u> | <u>2</u> | <u>2</u> |
| Totals | <u>199</u> | <u>846</u> | <u>150</u> | <u>260</u> |
| CATEGORY TOTAL | | 1,045 | | 410 |

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PLANT FUNCTION: SPECIAL PLANT MAINTENANCE

| <u>Work Function</u> | <u>NUMBER OF PERSONNEL</u> | | <u>TOTAL MAN REM</u> | |
|------------------------------------|----------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | | | | |
| Mechanics | 37 | 950 | 9 | 509 |
| Electricians | 14 | 3 | 2 | 0 |
| Instrument and Control | 18 | 1 | 1 | 0 |
| Radiation Protection and Chemistry | 6 | 2 | 0 | 0 |
| Operations | 26 | 3 | 1 | 0 |
| Engineering and Supervision | 23 | 110 | 2 | 35 |
| Others (Visitors, Clerical, etc.) | <u>25</u> | <u>43</u> | <u>1</u> | <u>12</u> |
| Totals | <u>149</u> | <u>1,112</u> | <u>16</u> | <u>556</u> |
| CATEGORY TOTAL | | 1,261 | | 572 |

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PLANT FUNCTION: ROUTINE OPERATION

| <u>Work Function</u> | <u>NUMBER OF PERSONNEL</u> | | <u>TOTAL MAN REM</u> | |
|------------------------------------|----------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | 27 | 16 | 2 | 1 |
| Instrument and Control | 4 | 0 | 0 | 0 |
| Radiation Protection and Chemistry | 5 | 2 | 0 | 0 |
| Operations | 53 | 0 | 34 | 0 |
| Engineering and Supervision | 12 | 3 | 1 | 0 |
| Others (Visitors, Clerical, etc.) | <u>6</u> | <u>6</u> | <u>1</u> | <u>0</u> |
| Totals | <u>107</u> | <u>27</u> | <u>38</u> | <u>1</u> |
| CATEGORY TOTAL | | 134 | | 39 |

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PLANT FUNCTION: WASTE DISPOSAL

| <u>Work Function</u> | NUMBER OF PERSONNEL | | TOTAL MAN REM | |
|------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | | | | |
| Mechanics | 35 | 224 | 3 | 34 |
| Electricians | 5 | 0 | 0 | 0 |
| Building and Grounds | 59 | 75 | 16 | 6 |
| Instrument and Control | 5 | 0 | 0 | 0 |
| Radiation Protection and Chemistry | 10 | 6 | 1 | 0 |
| Operations | 52 | 9 | 44 | 6 |
| Engineering and Supervision | 9 | 52 | 1 | 25 |
| Others (Visitors, Clerical, etc.) | <u>9</u> | <u>3</u> | <u>1</u> | <u>0</u> |
| Totals | <u>184</u> | <u>369</u> | <u>66</u> | <u>71</u> |
| CATEGORY TOTAL | | 553 | | 137 |

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PLANT FUNCTION: INSERVICE INSPECTION

| <u>Work Function</u> | <u>NUMBER OF PERSONNEL</u> | | <u>TOTAL MAN REM</u> | |
|------------------------------------|----------------------------|-------------------------|--------------------------|-------------------------|
| | <u>Station Employees</u> | <u>Contract Workers</u> | <u>Station Employees</u> | <u>Contract Workers</u> |
| Maintenance | 35 | 206 | 4 | 26 |
| Instrument and Control | 8 | 0 | 2 | 0 |
| Radiation Protection and Chemistry | 0 | 4 | 0 | 0 |
| Operations | 22 | 0 | 1 | 0 |
| Engineering and Supervision | 24 | 77 | 3 | 13 |
| Others (Visitors, Clerical, etc.) | <u>27</u> | <u>15</u> | <u>7</u> | <u>10</u> |
| Totals | <u>116</u> | <u>302</u> | <u>17</u> | <u>49</u> |
| CATEGORY TOTAL | | 418 | | 66 |
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| GRAND TOTAL (6 CATEGORIES) | | 3,880 | | 1,364 |