

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

DPR-59
Docket No. 50-333

10 CFR 20.407 Report

Calendar Year 1981

1. Number of individuals for whom personnel radiation monitoring was provided during the calendar year:

3,177

Reported per 10 CFR 20.407(b) (1) (ii).

2. Statistical Summary:

<u>Estimated Whole Body Exposure Range</u>	<u>Number of Individuals in Each Range</u>	
REMS:		<u>Total rem</u>
Minimal	687	
Less than 0.10	05 834	41.7
0.10 to 0.25	175 400	70.0
0.25 to 0.50	375 395	148.13
0.50 to 0.75	625 216	135.0
0.75 to 1.00	875 184	161.0
1.00 to 2.00	15 329	493.5
2.00 to 3.00	25 94	235.0
3.00 to 4.00	5 30	105.0
4.00 to 5.00	45 8	36.0
Greater than 5.00	0	

1425.33

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CORBIN A. McNEILL, JR.
Resident Manager

P.O. BOX 41
Lycoming, New York 13093
315-342-3840

SERIAL: February 1, 1982
JAFP-82-0118

Mr. Ronald C. Haynes
Director
U. S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King Of Prussia, Pennsylvania 19406

REFERENCE: DPR-59
Docket No. 50-333
1981 Exposure Summary



Dear Mr. Haynes:

Attached please find the 1981 Personnel Radiation Exposure Summary by job function submitted in accordance with the James A. FitzPatrick Nuclear Power Plant Operating License DPR-59, Appendix A, Section 6.9 (A) 2.

Very truly yours,

CORBIN A. McNEILL, JR.

CAM:EAM:jaa

CC R. Baker
E. Mulcahey
J. P. Bayne/NYO
RES File
DCC

Attachment

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PDR ADOCK 05000333
R PDR

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BWR

BWR-Fitzpatrick (81)

POWER AUTHORITY OF THE STATE OF NEW YORK
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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>	<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	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

BWR-Fitzpatrick

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Calendar Year 1981

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>130</u>	<u>260</u>
CATEGORY TOTAL		1,045		410

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 Calendar Year 1981

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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 Calendar Year 1981

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>	<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	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	
<u>GRAND TOTAL (6 CATEGORIES)</u>	<u>3,880</u>		<u>1,364</u>	