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Quad Cities Nuclear Power Station  
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SVP-03-060

April 25, 2003

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Quad Cities Nuclear Power Station, Units 1 and 2  
Facility Operating License Nos. DPR-29 and DPR-30  
NRC Docket Nos. 50-254 and 50-265

Subject: Quad Cities Nuclear Power Station's Occupational Radiation Exposure Report  
for January through December 2002

In accordance with the Quad Cities Technical Specifications Section 5.6.1 and NRC Regulatory Guide 1.16, we are submitting the Quad Cities Nuclear Power Station's Occupational Radiation Exposure Report for January through December 2002. This report is a tabulation of the number of station, utility, and contractor personnel monitored during the year 2002 receiving an annual deep dose equivalent of greater than 100 mrem, and the associated person-rem according to work and job function.

Should you have any questions concerning this letter, please contact Mr. W. J. Beck at (309) 227-2800.

Respectfully,



Timothy J. Tulon  
Site Vice President  
Quad Cities Nuclear Power Station

Attachment: Quad Cities Regulatory Guide 1.16 Report

cc: Regional Administrator – NRC Region III (w/o attachment)  
NRR Project Manager (w/o attachment)  
REIRS Project Manager, Office of Nuclear Regulatory Research (w/ attachment)  
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station (w/o attachment)

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# Regulatory Guide 1.16 Report

	<u>Number of Personnel (&gt; 100 mrem)</u>				<u>Quantity of Person-rem</u>			
	<u>Station Employees</u>	<u>Utility Employees</u>	<u>Contractors/ Others</u>	<u>Total Persons</u>	<u>Station Employees</u>	<u>Utility Employees</u>	<u>Contractors/ Others</u>	<u>Total Person-rem</u>
<b><u>Reactor Operations and Surveillance</u></b>								
Maintenance	42	19	277	338	6.602	3.841	79.133	89.576
Operations	44	2	1	47	10.697	0.132	0.187	11.016
Health Physics	30	0	10	40	6.013	0.000	0.598	6.611
Supervisory	28	1	5	34	5.312	0.165	0.605	6.082
Engineering	15	0	7	22	2.011	0.000	1.595	3.606
	<u>159</u>	<u>22</u>	<u>300</u>	<u>481</u>	<u>30.635</u>	<u>4.138</u>	<u>82.118</u>	<u>116.891</u>
<b><u>Routine Maintenance</u></b>								
Maintenance	178	78	1,935	2,191	150.758	26.993	616.859	794.610
Operations	79	6	3	88	49.447	0.610	0.516	50.573
Health Physics	54	3	34	91	34.795	0.021	13.176	47.992
Supervisory	65	3	25	93	16.215	0.191	6.077	22.483
Engineering	40	0	34	74	10.715	0.000	11.747	22.462
	<u>416</u>	<u>90</u>	<u>2,031</u>	<u>2,537</u>	<u>261.930</u>	<u>27.815</u>	<u>648.375</u>	<u>938.120</u>
<b><u>Inservice Inspection</u></b>								
Maintenance	7	9	674	690	1.876	0.728	84.949	87.553
Operations	6	0	1	7	2.320	0.000	0.102	2.422
Health Physics	22	0	9	31	0.495	0.000	0.859	1.354
Supervisory	7	0	6	13	0.328	0.000	0.690	1.018
Engineering	12	0	8	20	0.687	0.000	1.298	1.985
	<u>54</u>	<u>9</u>	<u>698</u>	<u>761</u>	<u>5.706</u>	<u>0.728</u>	<u>87.898</u>	<u>94.332</u>
<b><u>Special Maintenance</u></b>								
Maintenance	159	34	1,551	1,744	55.221	10.624	409.069	474.914
Operations	28	2	2	32	3.636	0.218	0.807	4.661
Health Physics	42	1	19	62	10.392	0.014	1.986	12.392
Supervisory	43	1	17	61	8.809	0.268	5.102	14.179
Engineering	29	0	22	51	6.694	0.000	3.635	10.329
	<u>301</u>	<u>38</u>	<u>1,611</u>	<u>1,950</u>	<u>84.752</u>	<u>11.124</u>	<u>420.599</u>	<u>516.475</u>
<b><u>Waste Processing</u></b>								
Maintenance	0	1	22	23	0.000	0.011	0.699	0.710
Operations	49	0	1	50	2.774	0.000	0.889	3.663
Health Physics	27	0	0	27	0.625	0.000	0.000	0.625
Supervisory	7	0	1	8	0.379	0.000	0.035	0.414
	<u>83</u>	<u>1</u>	<u>24</u>	<u>108</u>	<u>3.778</u>	<u>0.011</u>	<u>1.623</u>	<u>5.412</u>

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	<u>Number of Personnel ( &gt; 100 mrem )</u>				<u>Quantity of Person-rem</u>			
	<u>Station Employees</u>	<u>Utility Employees</u>	<u>Contractors/ Others</u>	<u>Total Persons</u>	<u>Station Employees</u>	<u>Utility Employees</u>	<u>Contractors/ Others</u>	<u>Total Person-rem</u>
<b><u>Refueling</u></b>								
Maintenance	15	14	298	327	0.983	0.864	39 808	41.655
Operations	8	0	0	8	0.960	0 000	0 000	0.960
Health Physics	15	0	11	26	2.219	0.000	1.530	3.749
Supervisory	4	0	5	9	0 372	0 000	1.211	1.583
Engineering	1	0	9	10	0 017	0.000	2.937	2.954
	<u>43</u>	<u>14</u>	<u>323</u>	<u>380</u>	<u>4.551</u>	<u>0.864</u>	<u>45.486</u>	<u>50.901</u>
<b><u>Total by Job Function</u></b>								
Maintenance	178	79	2,119	2,376	215.440	43.061	1230.517	1489.018
Operations	79	7	3	89	69 834	0.960	2.501	73.295
Health Physics	54	3	35	92	54.539	0.035	18.149	72.723
Supervisory	67	4	30	101	31.415	0.624	13.720	45.759
Engineering	40	0	36	76	20.124	0.000	21.212	41.336
	<u>418</u>	<u>93</u>	<u>2,223</u>	<u>2,734</u>	<u>391.352</u>	<u>44.680</u>	<u>1286.099</u>	<u>1722.131</u>