

Exelon Generation Company, LLC www.exeloncorp.com
Quad Cities Nuclear Power Station
22710 206th Avenue North
Cordova, IL 61242-9740

SVP-04-041

April 26, 2004

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 2003

In accordance with Technical Specifications Section 5.6.1, enclosed is Quad Cities Nuclear Power Station's Occupational Radiation Exposure Report for January through December 2003. This report is a tabulation of the number of station, utility, and contractor personnel monitored during the year (2003) 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 Occupational Radiation Exposure Report

cc: Regional Administrator – NRC Region III (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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Occupational Radiation Exposure Report

	<u>Number of Personnel (> 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>
<u>Reactor Operations and Surveillance</u>								
Maintenance	32	3	27	62	4.198	0.762	3.071	8.031
Health Physics	25	1	4	30	4.048	0.399	1.025	5.472
Engineering	13	0	3	16	2.940	0.000	0.079	3.019
Supervisory	16	1	3	20	2.377	0.033	0.344	2.754
Operations	31	3	0	34	1.872	0.511	0.000	2.383
	117	8	37	162	15.435	1.705	4.519	21.659
<u>Routine Maintenance</u>								
Maintenance	143	11	250	404	111.663	1.575	80.505	193.743
Health Physics	46	2	7	55	24.867	0.137	0.412	25.416
Engineering	22	0	17	39	6.646	0.000	2.810	9.456
Supervisory	34	1	7	42	6.891	0.012	1.344	8.247
Operations	62	2	1	65	25.149	0.035	0.246	25.430
	307	16	282	605	175.216	1.759	85.317	262.292
<u>Inservice Inspection</u>								
Maintenance	26	2	53	81	1.711	0.023	2.211	3.945
Health Physics	9	0	1	10	0.155	0.000	0.010	0.165
Engineering	2	0	4	6	0.009	0.000	0.114	0.123
Supervisory	3	0	0	3	0.069	0.000	0.000	0.069
Operations	8	0	0	8	0.177	0.000	0.000	0.177
	48	2	58	108	2.121	0.023	2.335	4.479
<u>Special Maintenance</u>								
Maintenance	121	5	161	287	39.601	0.392	96.825	136.818
Health Physics	30	1	5	36	3.975	0.083	0.423	4.481
Engineering	7	0	12	19	1.752	0.000	3.984	5.736
Supervisory	16	0	4	20	1.970	0.000	0.448	2.418
Operations	12	0	0	12	0.821	0.000	0.000	0.821
	186	6	182	374	48.119	0.475	101.680	150.274
<u>Waste Processing</u>								
Maintenance	4	0	26	30	0.244	0.000	2.307	2.551
Health Physics	27	0	1	28	1.456	0.000	0.003	1.459
Engineering	3	0	0	3	0.020	0.000	0.000	0.020
Supervisory	7	0	1	8	0.417	0.000	0.051	0.468
Operations	47	0	1	48	2.873	0.000	1.391	4.264
	88	0	29	117	5.010	0.000	3.752	8.762

Occupational Radiation Exposure Report

	<u>Number of Personnel (> 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>
<u>Refueling</u>								
Maintenance	60	9	19	88	12.879	0.834	2.424	16.137
Health Physics	16	0	0	16	1.775	0.000	0.000	1.775
Engineering	1	0	1	2	0.089	0.000	0.644	0.733
Supervisory	5	0	1	6	0.440	0.000	0.404	0.844
Operations	7	0	0	7	0.456	0.000	0.000	0.456
	89	9	21	119	15.639	0.834	3.472	19.945
<u>Total by Job Function</u>								
Maintenance	143	11	268	422	170.296	3.586	187.343	361.225
Health Physics	46	3	7	56	36.276	0.619	1.873	38.768
Engineering	22	0	18	40	11.456	0.000	7.631	19.087
Supervisory	34	2	7	43	12.164	0.045	2.591	14.800
Operations	62	5	1	68	31.348	0.546	1.637	33.531
	307	21	301	629	261.540	4.796	201.075	467.411