



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
22710 206 Avenue North  
Cordova, Illinois 61242-9740  
Telephone 309/654-2241

RLB-90-60

February 12, 1990

Mr. A. Bert Davis  
Regional Administrator  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

SUBJECT: Quad Cities Station Operating Report,  
NRC Dockets 50-254 and 50-265

Dear Mr. Davis:

Enclosed are the 1989 Occupational Radiation Exposures  
(NRC Reg. Guide 1.16) for Quad Cities Nuclear Power  
Station.

Sincerely yours,

*R.L. Sax*

R.L. Sax  
Station Manager

RLB/RDT/sml

Enclosures

cc: NRC Document Control Desk  
NRC Resident Inspector  
NRC Office of Research

ATTACHMENT D

REGULATORY GUIDE 1.16

NUMBER OF PERSONNEL AND PERSON-REM BY WORK AND JOB FUNCTION  
YEAR 1989

PLANT: Quad Cities Station

WORK & JOB FUNCTION	NUMBER OF PERSONNEL			*TOTAL PERSONS	TOTAL PERSON-REMS			
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS		STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT & OTHERS	TOTAL PERSON-REM
<b>REACTOR OPERATIONS &amp; SURV</b>								
MAINTENANCE PERSONNEL	18	1	91		13.356	0.004	31.522	
OPERATING PERSONNEL	100	0	76		44.115	0	5.011	
HEALTH PHYSICS PERSONNEL	21	0	6		18.293	0	3.003	
SUPERVISORY PERSONNEL	91	0	0		18.693	0	0	
ENGINEERING PERSONNEL	60	25	20		5.007	0.432	3.638	
TOTAL	289	26	193	508	99.464	0.436	43.174	143.074
<b>ROUTINE MAINTENANCE</b>								
MAINTENANCE PERSONNEL	108	4	652		87.407	0.914	225.585	
OPERATING PERSONNEL	16	0	5		6.873	0	0.314	
HEALTH PHYSICS PERSONNEL	20	0	21		16.622	0	11.236	
SUPERVISORY PERSONNEL	69	0	0		14.278	0	0	
ENGINEERING PERSONNEL	57	70	58		4.745	1.143	10.718	
TOTAL	270	74	736	1080	129.925	2.057	247.853	379.835
<b>IN-SERVICE INSPECTION</b>								
MAINTENANCE PERSONNEL	1	0	107		1.168	0	37.040	
OPERATING PERSONNEL	1	0	1		0.153	0	0.026	
HEALTH PHYSICS PERSONNEL	1	0	1		0.124	0	0.018	
SUPERVISORY PERSONNEL	1	0	0		0.150	0	0	
ENGINEERING PERSONNEL	6	17	221		0.673	0.280	41.137	
TOTAL	10	17	330	357	2.268	0.280	78.221	80.769
<b>SPECIAL MAINTENANCE</b>								
MAINTENANCE PERSONNEL	4	35	621		2.985	7.536	214.837	
OPERATING PERSONNEL	2	0	1		0.679	0	0.067	
HEALTH PHYSICS PERSONNEL	3	0	13		2.146	0	6.771	
SUPERVISORY PERSONNEL	3	0	0		.694	0	0	
ENGINEERING PERSONNEL	23	109	87		1.906	1.792	15.977	
TOTAL	35	144	722	901	8.410	9.328	237.652	255.390
<b>WASTE PROCESSING</b>								
MAINTENANCE PERSONNEL	1	0	4		0.059	0	1.384	
OPERATING PERSONNEL	25	0	99		11.297	0	6.652	
HEALTH PHYSICS PERSONNEL	4	0	1		3.143	0	0.014	
SUPERVISORY PERSONNEL	11	0	0		2.353	0	0	
ENGINEERING PERSONNEL	1	2	1		0.061	0.036	.008	
TOTAL	42	2	105	149	16.913	0.036	8.058	25.007
<b>REFUELING</b>								
MAINTENANCE PERSONNEL	12	0	1		9.769	0	0.250	
OPERATING PERSONNEL	5	0	0		2.208	0	0	
HEALTH PHYSICS PERSONNEL	2	0	0		1.417	0	0	
SUPERVISORY PERSONNEL	8	0	0		1.657	0	0	
ENGINEERING PERSONNEL	3	6	3		0.242	0.093	0.528	
TOTAL	30	6	4	40	15.293	0.093	0.778	16.164
<b>TOTAL BY JOB FUNCTION</b>								
MAINTENANCE PERSONNEL	143	40	1476	1659	114.744	8.454	510.618	633.816
OPERATING PERSONNEL	149	0	182	331	65.325	0	12.070	77.395
HEALTH PHYSICS PERSONNEL	51	0	42	93	41.745	0	21.042	62.787
SUPERVISORY PERSONNEL	183	0	0	183	37.830	0	0	37.831
ENGINEERING PERSONNEL	150	229	390	769	12.635	3.776	72.006	88.416
GRAND TOTAL	676	269	2090	3035	272.279	12.230	615.736	900.245

\*Some persons counted more than once.