



February 23, 2000
LIC-00-0012

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, DC 20555

Reference: Docket No. 50-285

SUBJECT: Fort Calhoun Station (FCS) Annual Occupational Exposure Report

In accordance with Technical Specifications 5.9.1.b, Omaha Public Power District is submitting the 1999 FCS Annual Occupational Exposure Report. Two reports are attached. The first is a report of personnel who received greater than 100 mrem during 1999. The second is a dose range report that categorizes all monitored personnel at FCS into ranges specified by the NRC.

If you should have any questions, please contact me.

Sincerely,

S. K. Gambhir
Division Manager
Nuclear Operations

SKG/rrl

Attachments

- c: E. W. Merschoff, NRC Regional Administrator, Region IV (w/o Enclosures)
- L. R. Wharton, NRC Project Manager (w/o Enclosures)
- W. C. Walker, NRC Senior Resident Inspector (w/o Enclosures)
- T. J. Wolff, American Nuclear Insurers
- Winston & Strawn (w/o Enclosures)

LICENSE: DPR-40

Regulatory Guide 1.16 Information
End of Year Report 1999

Work and Job Function	Number of Personnel > 100 mrem			Total man-rem *		
	Station	Utility	Contractor	Station	Utility	Contractor
REACTOR OPERATIONS AND SURVEILLANCE						
MAINTENANCE AND CONSTRUCTION	0.206	0.007	0.000	0.056	0.004	0.000
OPERATIONS	19.767	0.000	0.000	7.312	0.000	0.000
HEALTH PHYSICS	9.750	0.000	15.474	4.975	0.000	5.878
SUPERVISORY	3.627	0.000	0.000	0.669	0.000	0.000
ENGINEERING	0.066	0.000	0.000	0.013	0.000	0.000
ROUTINE MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	26.752	8.775	42.583	9.465	2.800	13.280
OPERATIONS	2.153	0.000	0.000	0.688	0.000	0.000
HEALTH PHYSICS	7.018	0.000	20.209	3.927	0.000	10.980
SUPERVISORY	7.964	0.000	2.293	2.794	0.000	0.736
ENGINEERING	5.570	0.000	0.022	1.012	0.000	0.012
INSERVICE INSPECTION						
MAINTENANCE AND CONSTRUCTION	6.978	13.262	29.329	3.950	6.638	8.628
OPERATIONS	1.125	0.000	0.000	0.141	0.000	0.000
HEALTH PHYSICS	1.158	0.000	3.599	0.880	0.000	1.407
SUPERVISORY	3.539	0.000	2.358	1.038	0.000	0.902
ENGINEERING	4.458	0.000	51.988	0.728	0.000	32.049
SPECIAL MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	3.394	1.428	22.304	0.942	0.796	7.330
OPERATIONS	0.122	0.000	0.000	0.017	0.000	0.000
HEALTH PHYSICS	0.006	0.000	0.237	0.005	0.000	0.130
SUPERVISORY	0.699	0.000	1.610	0.247	0.000	0.303
ENGINEERING	1.403	0.000	0.000	0.440	0.000	0.000
WASTE PROCESSING						
MAINTENANCE AND CONSTRUCTION	0.021	0.000	0.010	0.005	0.000	0.004
OPERATIONS	0.205	0.000	0.000	0.030	0.000	0.000
HEALTH PHYSICS	3.676	0.000	1.078	1.881	0.000	0.201
SUPERVISORY	0.028	0.000	0.000	0.016	0.000	0.000
ENGINEERING	0.000	0.000	0.000	0.000	0.000	0.000
REFUELING						
MAINTENANCE AND CONSTRUCTION	16.482	22.528	14.774	8.806	12.291	8.554
OPERATIONS	6.635	0.000	0.000	1.236	0.000	0.000
HEALTH PHYSICS	0.558	0.000	5.402	0.316	0.000	2.613
SUPERVISORY	4.165	0.000	3.728	1.170	0.000	1.527
ENGINEERING	1.491	0.000	6.990	0.408	0.000	1.527
Totals						
MAINTENANCE AND CONSTRUCTION	53.833	46.000	109.000	23.224	22.529	37.796
OPERATIONS	30.007	0.000	0.000	9.424	0.000	0.000
HEALTH PHYSICS	22.167	0.000	46.000	11.984	0.000	21.209
SUPERVISORY	20.022	0.000	9.990	5.934	0.000	3.468
ENGINEERING	12.988	0.000	59.000	2.601	0.000	33.588
Grand Totals	139.017	46.000	223.990	53.167	22.529	96.061

* The man-rem totals include dose only from individuals receiving more than 100 mrem throughout the year at the site.

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Year-to-Date 1999 TEDE Distribution Report
 All Monitored Personnel

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Year-to-Date TEDE rem	No. of Persons	Percent	Cum. Percent	TEDE Total	Percent	Cum. Percent	Ave. TEDE	Ave. Age
No Measurable Exposure	484	41.72	41.72	0.000	0.00	0.00	0.000	45
0.001 - 0.100	284	24.48	66.21	11.332	7.13	7.13	0.040	49
0.100 - 0.250	132	11.38	77.59	21.773	13.71	20.84	0.165	43
0.250 - 0.500	154	13.28	90.86	55.151	34.72	55.56	0.358	42
0.500 - 0.750	88	7.59	98.45	54.943	34.59	90.15	0.624	41
0.750 - 1.000	17	1.47	99.91	14.612	9.20	99.35	0.860	42
1.000 - 2.000	1	0.09	100.00	1.032	0.65	100.00	1.032	54
2.000 - 3.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
3.000 - 4.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
4.000 - 5.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
5.000 - 6.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
6.000 - 7.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
7.000 - 8.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
8.000 - 9.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
9.000 - 10.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0
> 10.000	0	0.00	100.00	0.000	0.00	100.00	0.000	0

Total Number of Monitored Personnel: 1,160 Persons
 Total Exposure: 158.843 rem
 Average Exposure: 0.137 rem / Person