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Director, Nuclear Safety Assurance
Waterford 3

W3F1-2000-0030
A4.05
PR

March 30, 2000

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

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
Personnel Monitoring Reports

Gentlemen:

Attached are the following 1999 Personnel Monitoring Annual Reports submitted pursuant to the requirements of Technical Specification 6.9.1.5:

1. Attachment 1 – Summary of Personnel Monitoring – End of Year Report 1999
2. Attachment 2 – Work and Job Function Exposure Tabulation – End of Year Report 1999

This letter does not contain any commitments. Should you have any questions on the monitoring reports, please contact E.L. Lemke at (504) 739-6349.

Very truly yours,

A handwritten signature in black ink that reads "Everett P. Perkins, Jr." with a stylized flourish at the end.

E.P. Perkins
Director
Nuclear Safety Assurance

EPP/ELL/rtk
Attachments

cc: E.W. Merschoff, N. Kalyanam, P. Lewis (INPO Records Center),
J. Smith, N.S. Reynolds, NRC Resident Inspectors Office

Handwritten initials "IES" in black ink, located in the bottom right corner of the page.

Attachment 1 to W3F1-00-0030

**Summary of Personnel Monitoring -
End of Year Report 1999**

Waterford 3 SES

License: NPF-38

Docket #: 50-382

Summary of Personnel Monitoring - End of Year Report 1999

Per Technical Specification 6.9.1.5

estimated whole body exposure range (rems)	number of individuals in each range
no measurable exposure	982
measurable exposure less than 0.1	476
0.1 to < 0.25	198
0.25 to < 0.50	107
0.50 to < 0.75	40
0.75 to < 1	8
1 to < 2	4
2 to < 3	0
3 to < 4	0
4 to < 5	0
5 to < 6	0
6 to < 7	0
7 to < 8	0
8 to < 9	0
9 to < 10	0
10 to < 11	0
11 to < 12	0
12+	0

Total number of personnel monitored

1815

Attachment 2 to W3F1-00-0030

**Work and Job Function Exposure Tabulation -
End of Year Report 1999**

Personnel Exposure and Monitoring Report, 1999
Annual Operating Report Reg. Guide 1.16

WORK & JOB FUNCTION	Number of Personnel (>100 mrem)			Total Man-Rem		
	Station	Utility Employees	Contract	Station	Utility Employees	Contract
REACTOR OPERATIONS						
Maintenance Personnel	0005	0000	0002	3.412	0.198	3.488
Operations Personnel	0025	0000	0000	7.246	0.060	0.491
Health Physics Personnel	0013	0002	0015	3.846	0.420	3.724
Supervisory Personnel	0000	0000	0000	0.257	0.000	0.098
Engineering Personnel	0002	0000	0000	1.219	0.027	0.134
ROUTINE MAINTENANCE						
Maintenance Personnel	0022	0001	0044	6.475	1.598	16.002
Operations Personnel	0006	0001	0009	1.898	0.251	2.006
Health Physics Personnel	0002	0001	0014	0.740	0.297	3.834
Supervisory Personnel	0001	0000	0000	0.261	0.000	0.000
Engineering Personnel	0000	0000	0000	0.242	0.000	0.007
INSERVICE INSPECTION						
Maintenance Personnel	0001	0000	0000	0.129	0.061	0.506
Operations Personnel	0000	0000	0002	0.423	0.001	0.715
Health Physics Personnel	0000	0000	0000	0.000	0.000	0.000
Supervisory Personnel	0000	0000	0000	0.026	0.000	0.008
Engineering Personnel	0000	0000	0000	0.172	0.000	0.080
SPECIAL MAINTENANCE						
Maintenance Personnel	0029	0010	0023	10.356	1.897	5.798
Operations Personnel	0011	0000	0001	2.767	0.003	0.485
Health Physics Personnel	0001	0000	0004	0.374	0.000	0.791
Supervisory Personnel	0007	0000	0023	1.973	0.000	8.458
Engineering Personnel	0005	0000	0007	1.350	0.000	2.813
WASTE PROCESSING						
Maintenance Personnel	0001	0000	0000	0.444	0.132	0.001
Operations Personnel	0001	0000	0002	0.329	0.000	0.492
Health Physics Personnel	0000	0000	0000	0.234	0.000	0.042
Supervisory Personnel	0000	0000	0000	0.013	0.000	0.000
Engineering Personnel	0000	0000	0000	0.000	0.000	0.000
REFUELING						
Maintenance Personnel	0009	0002	0013	4.814	0.555	6.073
Operations Personnel	0010	0000	0001	3.884	0.003	0.335
Health Physics Personnel	0002	0001	0005	0.403	0.119	1.805
Supervisory Personnel	0000	0000	0000	0.006	0.000	0.000
Engineering Personnel	0002	0000	0001	0.589	0.000	0.262
TOTALS						
Maintenance Personnel	0067	0013	0082	25.630	4.441	31.868
Operations Personnel	0053	0001	0015	16.547	0.318	4.524
Health Physics Personnel	0018	0004	0038	5.597	0.836	10.196
Supervisory Personnel	0008	0000	0023	2.536	0.000	8.564
Engineering Personnel	0009	0000	0008	3.572	0.027	3.296
GRAND TOTAL	0155	0018	0166	53.882	5.622	58.448

NOTE: The dose assignments to the various duty functions are based on electronic dosimeter measurements.