



Entergy Nuclear Generation Company
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360

J. F. Alexander
Director
Nuclear Assessment

Tech Spec 5.6.1
Reg. Guide 1.16

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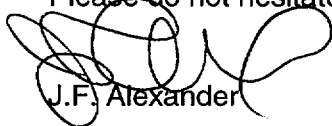
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Docket No. 50-293
License No. DPR-35

The enclosed table, "Number of Personnel and Man-Rem by Work and Job Function", for the year 1999 is submitted in accordance with the requirements of the Pilgrim Nuclear Power Station Technical Specification (T.S.), Section 5.6.1, and as recommended by U.S. NRC Regulatory Guide 1.16.

The total dose measured by self indicating dosimeter (SID) was 362.056 man-rem. SID measurements are used for tracking dose assigned to job functions. As required by T.S. Section 5.6.1, at least 80% of the total whole body dose received from external sources was accounted for via radiation work permits assigned to specific major work functions.

Please do not hesitate to contact me directly if you have any questions.



J.F. Alexander

RLC/vc

Enclosure: Number of Personnel and Man-Rem by Work and Job Function

cc: Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Sr. Resident Inspector – Pilgrim

NUMBER OF PERSONNEL AND MAN-REM BY WORK AND JOB FUNCTION

WORK & JOB FUNCTION	ALL PERSONNEL*			TOTAL MAN-REM		
	Station Employees	Utility Employees	Contractors and Others	Station Employees	Utility Employees	Contractors and Others
REACTOR OPERATION & SURVEILLANCES						
-Maintenance	48	2	133	2.159	0.019	2.138
-Operations Personnel	91	6	25	13.655	0.083	0.345
-Health Physics	29	1	81	4.734	0.000	9.230
-Supervisory Personnel	49	3	13	1.819	0.006	0.118
-Engineering Personnel	33	5	27	0.779	0.010	0.535
ROUTINE MAINTENANCE						
-Maintenance	139	11	749	48.951	2.504	120.000
-Operations Personnel	112	12	128	14.017	0.283	4.265
-Health Physics	38	1	112	8.350	0.011	11.990
-Supervisory Personnel	87	15	46	4.855	1.437	2.761
-Engineering Personnel	111	23	119	8.602	0.463	4.370
INSERVICE INSPECTION						
-Maintenance	28	1	210	1.376	0.002	42.855
-Operations Personnel	10	0	6	0.790	0.000	0.163
-Health Physics	6	0	19	0.176	0.000	1.290
-Supervisory Personnel	2	0	7	0.113	0.000	1.354
-Engineering Personnel	25	2	15	2.351	0.056	4.067
SPECIAL MAINTENANCE***						
-Maintenance	25	1	71	0.697	0.014	2.535
-Operations Personnel	3	0	1	0.014	0.000	0.007
-Health Physics	5	0	0	0.052	0.000	0.000
-Supervisory Personnel	0	0	6	0.000	0.000	0.101
-Engineering Personnel	7	2	7	0.070	0.019	0.166

WORK & JOB FUNCTION	ALL PERSONNEL			TOTAL MAN-REM		
	Station Employees	Utility Employees	Contractors and Others	Station Employees	Utility Employees	Contractors and Others
WASTE PROCESSING						
-Maintenance	62	2	34	2.248	0.038	0.129
-Operations Personnel	21	1	7	0.733	0.078	1.199
-Health Physics	16	0	12	0.462	0.000	0.066
-Supervisory Personnel	12	0	1	0.106	0.000	0.022
-Engineering Personnel	3	0	2	0.013	0.000	0.000
REFUELING						
-Maintenance	91	4	72	6.487	0.363	11.572
-Operations Personnel	49	1	6	1.508	0.002	0.064
-Health Physics	21	0	39	1.071	0.000	5.195
-Supervisory Personnel	20	3	4	0.348	0.029	0.027
-Engineering Personnel	18	0	27	1.224	0.000	2.317
<u>TOTALS BY JOB FUNCTION</u>						
-Maintenance	393	21	1269	61.917	2.940	179.229
-Operations Personnel	286	20	173	30.716	0.446	6.043
-Health Physics	115	2	263	14.845	0.012	27.772
-Supervisory Personnel	170	21	77	7.241	1.473	4.383
-Engineering Personnel	197	32	197	13.038	0.548	11.453
GRAND TOTALS**	1161	96	1979	127.757	5.419	228.880

* Workers may be counted in more than one category.

** Total dose by self-indicating dosimeter is 362.056. Actual record dose by TLD is 343.649.

*** NRC A46 MODIFICATIONS
FUEL RACK SAMPLE REMOVE AND TESTING
FLOC TANK INSPECTION
INSTALLATION OF LOCK PLATES AROUND SFP
RCIC / "B" RHR DRAIN MODIFICATIONS
OSHA CODE REPAIR OF LIGHTING