



**North
Atlantic**

North Atlantic Energy Service Corporation
P.O. Box 300
Seabrook, NH 03874
(603) 474-9521

The Northeast Utilities System
February 29, 2000

Docket No. 50-443

NYN-00020

AR#97004842

United States Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555-0001


Seabrook Station
1999 Annual Report -- Radiation Exposure by Job Function

The North Atlantic Energy Service Corporation (North Atlantic) 1999 Annual Report of Radiation Exposure by Job Function is submitted in accordance with Technical Specification 6.8.1.2.a. and the guidance of Regulatory Guide 1.16.

Should you have any questions concerning this matter, please contact Mr. James M. Peschel, Manager – Regulatory Programs, at (603) 773-7194.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.



W. A. DiProffo
Station Director

cc: H. J. Miller, NRC Regional Administrator
R. M. Pulsifer, NRC Project Manager, Project Directorate 1-2
R. K. Lorson, NRC Senior Resident Inspector

IE56

ENCLOSURE TO NYN-00020

WORK & JOB FUNCTION	NUMBER OF PERSONNEL (> 100 MILLIREM)*				TOTAL MAN-REM			
	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS	TOTAL PERSONS	STATION EMPLOYEES	UTILITY EMPLOYEES	CONTRACT WORKERS	TOTAL MAN-REMS
REACTOR OPERATIONS & SURVEILLANCE								
MAINTENANCE PERSONNEL	16	1	23		0.007	0.000	0.072	
OPERATING PERSONNEL	20	1	1		2.225	0.016	0.002	
HEALTH PHYSICS PERSONNEL	16	0	38		2.850	0.000	6.406	
SUPERVISORY PERSONNEL	2	0	0		0.002	0.000	0.000	
ENGINEERING PERSONNEL	0	1	3		0.000	0.000	0.006	
TOTAL	54	3	65	122	5.084	0.016	6.486	11.586
ROUTINE MAINTENANCE								
MAINTENANCE PERSONNEL	33	2	152		4.855	0.452	25.763	
OPERATING PERSONNEL	21	1	3		1.181	0.047	0.253	
HEALTH PHYSICS PERSONNEL	14	0	26		0.538	0.000	0.528	
SUPERVISORY PERSONNEL	1	0	0		0.007	0.000	0.000	
ENGINEERING PERSONNEL	0	2	44		0.000	0.415	11.315	
TOTAL	69	5	225	299	6.581	0.914	37.859	45.354
INSERVICE INSPECTION								
MAINTENANCE PERSONNEL	8	1	38		0.738	0.026	6.065	
OPERATING PERSONNEL	2	1	1		0.015	0.138	0.399	
HEALTH PHYSICS PERSONNEL	6	0	10		0.156	0.000	0.077	
SUPERVISORY PERSONNEL	0	0	0		0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	1	6		0.000	0.000	1.011	
TOTAL	16	3	55	74	0.909	0.164	7.552	8.625
SPECIAL MAINTENANCE								
MAINTENANCE PERSONNEL	8	1	49		0.028	0.000	2.596	
OPERATING PERSONNEL	1	0	1		0.046	0.000	0.008	
HEALTH PHYSICS PERSONNEL	0	0	2		0.000	0.000	0.022	
SUPERVISORY PERSONNEL	0	0	0		0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	10		0.000	0.000	1.196	
TOTAL	9	1	62	72	0.074	0.000	3.822	3.896
WASTE PROCESSING								
MAINTENANCE PERSONNEL	6	0	13		0.741	0.000	0.461	
OPERATING PERSONNEL	9	0	1		0.215	0.000	0.419	
HEALTH PHYSICS PERSONNEL	8	0	14		0.149	0.000	0.187	
SUPERVISORY PERSONNEL	0	0	0		0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0		0.000	0.000	0.000	
TOTAL	23	0	28	51	1.105	0.000	1.067	2.172
REFUELING								
MAINTENANCE PERSONNEL	16	1	31		0.203	0.039	1.355	
OPERATING PERSONNEL	10	0	1		0.254	0.000	0.000	
HEALTH PHYSICS PERSONNEL	4	0	13		0.029	0.000	0.206	
SUPERVISORY PERSONNEL	2	0	0		0.220	0.000	0.000	
ENGINEERING PERSONNEL	0	0	1		0.000	0.000	0.088	
TOTAL	32	1	46	79	0.706	0.039	1.649	2.394
TOTAL								
MAINTENANCE PERSONNEL	87(00035)	6(00002)	306(00160)		6.572	0.517	36.312	
OPERATING PERSONNEL	63(00024)	3(00001)	8(00004)		3.936	0.201	1.081	
HEALTH PHYSICS PERSONNEL	48(00016)	0(00000)	103(00042)		3.722	0.000	7.426	
SUPERVISORY PERSONNEL	5(00002)	0(00000)	0(00000)		0.229	0.000	0.000	
ENGINEERING PERSONNEL	0(00000)	4(00002)	64(00053)		0.000	0.415	13.616	
GRAND TOTAL	203(00077)	13(00005)	481(00259)	697(000341)	14.459	1.133	58.435	74.027

* INDIVIDUALS MAY APPEAR IN MORE THAN 1 WORK FUNCTION NUMBERS IN PARENTHESES ARE TOTAL NUMBERS OF INDIVIDUALS