



**North
Atlantic**

North Atlantic Energy Service Corporation
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The Northeast Utilities System

February 16, 2001

Docket No. 50-443

NYN-01012

CR97-04842-04

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

Seabrook Station
2000 Annual Report -- Radiation Exposure by Job Function

The North Atlantic Energy Service Corporation (North Atlantic) 2000 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.

Gene F. St. Pierre
Station Director

cc: H. J. Miller, NRC Region I Administrator
V. Nerses, NRC Project Manager, Project Directorate I-2
R. K. Lorson, NRC Senior Resident Inspector

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ENCLOSURE TO NYN-01012

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	1	2	1		0.000	0.007	0.000	
OPERATING PERSONNEL	13	1	0		1.216	0.002	0.000	
HEALTH PHYSICS PERSONNEL	12	0	24		2.211	0.000	3.776	
SUPERVISORY PERSONNEL	0	3	0		0.000	0.026	0.000	
ENGINEERING PERSONNEL	0	0	0		0.000	0.000	0.000	
TOTAL	26	6	25	57	3.427	0.035	3.776	7.238
ROUTINE MAINTENANCE								
MAINTENANCE PERSONNEL	25	2	73		2.653	0.300	6.016	
OPERATING PERSONNEL	11	2	0		0.575	0.102	0.000	
HEALTH PHYSICS PERSONNEL	12	0	23		0.631	0.000	0.331	
SUPERVISORY PERSONNEL	0	4	0		0.000	0.359	0.000	
ENGINEERING PERSONNEL	0	1	3		0.000	0.173	0.133	
TOTAL	48	9	99	156	3.859	0.934	6.480	11.273
INSERVICE INSPECTION								
MAINTENANCE PERSONNEL	6	1	61		0.335	0.129	10.711	
OPERATING PERSONNEL	4	1	1		0.104	0.075	0.018	
HEALTH PHYSICS PERSONNEL	5	0	8		0.068	0.000	0.260	
SUPERVISORY PERSONNEL	0	1	0		0.000	0.011	0.000	
ENGINEERING PERSONNEL	0	0	3		0.000	0.000	0.575	
TOTAL	15	3	73	91	0.507	0.215	11.564	12.286
SPECIAL MAINTENANCE								
MAINTENANCE PERSONNEL	0	0	4		0.000	0.000	0.376	
OPERATING PERSONNEL	2	0	0		0.058	0.000	0.000	
HEALTH PHYSICS PERSONNEL	2	0	0		0.054	0.000	0.000	
SUPERVISORY PERSONNEL	0	0	0		0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0		0.000	0.000	0.000	
TOTAL	4	0	4	8	0.112	0.000	0.376	0.488
WASTE PROCESSING								
MAINTENANCE PERSONNEL	6	0	11		0.948	0.000	1.547	
OPERATING PERSONNEL	6	0	1		0.351	0.000	0.124	
HEALTH PHYSICS PERSONNEL	10	0	13		0.292	0.000	1.198	
SUPERVISORY PERSONNEL	0	0	0		0.000	0.000	0.000	
ENGINEERING PERSONNEL	0	0	0		0.000	0.000	0.000	
TOTAL	22	0	25	47	1.591	0.000	2.869	4.460
REFUELING								
MAINTENANCE PERSONNEL	15	1	23		1.253	0.242	3.692	
OPERATING PERSONNEL	9	1	0		0.113	0.022	0.000	
HEALTH PHYSICS PERSONNEL	9	0	6		0.027	0.000	0.092	
SUPERVISORY PERSONNEL	0	2	0		0.000	0.057	0.000	
ENGINEERING PERSONNEL	0	1	1		0.000	0.000	0.000	
TOTAL	33	5	30	68	1.393	0.321	3.784	5.498
TOTAL								
MAINTENANCE PERSONNEL	53(00025)	6(00003)	173(00104)		5.189	0.678	22.342	
OPERATING PERSONNEL	45(00016)	5(00002)	2(00001)		2.417	0.201	0.142	
HEALTH PHYSICS PERSONNEL	50(00012)	0(00000)	74(00033)		3.283	0.000	5.657	
SUPERVISORY PERSONNEL	0(00000)	10(00004)	0(00000)		0.000	0.453	0.000	
ENGINEERING PERSONNEL	0(00000)	2(00001)	7(00004)		0.000	0.173	0.708	
GRAND TOTAL	148(00053)	23(00010)	256(00142)	427(000205)	10.889	1.505	28.849	41.243

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