

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Water Management - Discharge Monitoring Report (DMR)

Permit: CT0003263 MAJ

Dist: 12 Town: 152 Loc: 003

Facility: MILLSTONE NUCLEAR POWER STA.

Contact: Paul Brindamour

Town: WATERFORD

Phone: (203) 665-3174

DATE RECEIVED (STAMPED)

Logged: Delivered: OK'd:

KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995					ND = none detected					
		Average Flow: 2738000000 GPD												
Discharg: 001 1		Mon Loc: 1		COOLING WATER < 5000										
										Sample Weeks:				
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
50064	121492	0/1	G	MG/L	CHLORINE, FREE AVAILAB	ND	*****	*****	<0.02	01/07	<0.02	<0.02	<0.02	<0.02
50060	121492	0/1	G	MG/L	CHLORINE, TOTAL RESIDL	ND	*****	*****	<0.02	01/07	<0.02	<0.02	<0.02	<0.02
50050	121492	0/1	I	MGD	FLOW, IN CONDUIT OR THRU	*****	*****	2821	24/01	SEE ATTACHED TABLE				
00400	121492	0/1	G	SU	PH	7.8	*****	8.1	24/01	SEE ATTACHED TABLE				
00018	121492	0/1	I	DEG F	TEMP DIFF BETWEEN SAMP	6.7	20.0	23.0	02/14	SEE ATTACHED TABLE				
00011	121492	0/1	I	DEG F	TEMP. DEG FAHRENHEIT	57.3	75.5	83.7	24/01	SEE ATTACHED TABLE				
00015	121492	0/1	CA	MBTU/H	THERMAL DISCHARGE MILLION	*****	15763	21003	01/01	SEE ATTACHED TABLE				

KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995	ND = none detected									
		Average Flow: 2738000000 GPD												
Discharg 001 1	Mon Loc: 7	COOLING WATER < 5000												
			Sample Weeks:											
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00011	121492	0/1	I	DEG F	TEMPERATURE DEG FAHR	*****	*****	65.7	24/01	SEE ATTACHED TABLE				

COMMENTS:

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KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995	ND = none detected									
Discharg: 01A 1	Mon Loc: 1	Average Flow: 604800000 GPD COOLING WATER < 5000												
				Sample Weeks:										
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00164	120192	0/1	T	GPB	FLOW, GALLONS/BATCH	.....	.....	-	02/99	NO DISCHARGE				
00400	091686	0/0	G	SU	PH	.....	.....	-	01/07	NO DISCHARGE				
00095	091686	0/0	G	IHM/CI	SPECIFIC CONDUCTANCE	.....	.....	-	01/07	NO DISCHARGE				
Comments:														

KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995		ND = none detected									
Discharg: 01A2	Mon Loc: 1	Average Flow: 14000 GPD		BUILDING FLOOR DRAIN											
						Sample Weeks:									
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5	
00164	120192	0/1	T	GPB	FLOW, GALLONS/BATCH	.....	.....	9686	01/01	9512	9686	9572	9673	9686	
00400	091986	0/0	G	SU	PH	.....	.....	7.33	01/07	7.20	7.33	7.51	6.88	7.06	
00530	120192	0/1	G	KG/D	SOLIDS, TOTAL SUSPENDED	.....	.....	0.0146	01/07	.022	.0037	.0036	.0146	.0073	
00530	120192	0/1	G	MG/L	SOLIDS, TOTAL SUSPENDED	.....	.....	0.4	01/07	0.6	0.1	0.2	0.4	0.2	

KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995	ND = none detected									
Discharg: 01A 4	Mon Loc: 1	Average Flow: 3500 GPD	WATER PRODUCTION WASTEWTR											
					Sample Weeks:									
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00698	120192	0/1	G	KG/D	BORIC ACID	.....	.....	Code9	WH/DS					
00698	120192	0/1	G	MG/L	BORIC ACID	.....	.....	Code9	WH/DS					
00164	120192	0/1	T	GPB	FLOW, GALLONS/BATCH	.....	.....	2917	01/BA	2917	NF	2453	1989	NF
														1625

Nov 1995

DSN001A-2 Additional Data
November 1995

DATE	pH	Total Suspended Solids (TSS)	TSS (kg/batch)	Tank Volume (gallons)	Volume Discharged (gallons)
11/01/95	7.19	0.6	0.022	10,750	9,572
11/02/95	7.20	0.3	0.011	10,750	9,558
11/04/95	6.63	0.3	0.011	10,598	9,458
11/04/95	6.95	0.0	0.000	10,600	9,558
11/06/95	7.04	0.1	0.004	10,900	9,686
11/07/95	7.33	0.1	0.003	10,200	9,116
11/10/95	7.20	0.0	0.000	10,750	9,443
11/11/95	7.30	0.1	0.004	10,800	9,344
11/12/95	7.31	0.1	0.003	10,370	9,230
11/13/95	7.11	0.2	0.007	10,249	8,982
11/14/95	7.07	0.1	0.003	9,231	8,091
11/17/95	6.60	0.1	0.004	10,400	9,328
11/18/95	6.67	0.1	0.004	11,150	9,572
11/20/95	6.62	0.4	0.015	10,940	9,673
11/21/95	6.88	0.2	0.007	10,142	9,116
11/25/95	6.80	0.0	0.000	9,500	8,350
11/27/95	6.92	0.2	0.007	10,712	9,330
11/29/95	7.06	0.1	0.004	10,585	9,686

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KEY: CT0000263 Issue: 12/1/92 Expiry: 12/1/97 Sample Month November 1995 MD = none detected
Discharge SIC 1 Man Loc: 1 STEAM ELECTRIC POWER PLANT Sample Week:

Code	Start	Stop	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00098	09/19/92	09/19/92	G	KGD BORIC ACID	.....	.....	Code B 02/98	Conditional Monitoring					
00058	12/01/92	09/19/92	G	MGD FLOW, IN CONDUIT OF THRU	.....	.....	0.203	0.203					
00400	09/19/92	09/19/92	G	SU PH	.....	.....	7.5	7.5					
00038	12/01/92	09/19/92	G	MGA SOLIDS, TOTAL SUSPENDED	.....	.....	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
00011	12/01/92	09/19/92	G	DEG F TEMPERATURE DEG FAHR	.....	.....	212	01/07	212	212	212	212	212
				At 14 G 74	.....	.....	3.79	3.79					

KEY: CT0000263 Issue: 12/1/92 Expiry: 12/1/97 Sample Month November 1995 MD = none detected
Discharge SIC 2 Man Loc: 1 BUILDING FLOOR DRAIN

Code	Start	Stop	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00098	12/01/92	09/19/92	G	KGD BORIC ACID	.....	.....	54.23	41.7	54.23	25.3	14.21	11.69	
00164	12/01/92	09/19/92	G	GPB FLOW, GALLONS/BATCH	.....	.....	24.8	01/07	23.4	24.8	20.1	12.2	11.7
01132	09/19/92	09/19/92	G	MGA LITHIUM, TOTAL (AS LI)	.....	.....	17430	16485	01/07	16170	15120	17220	16065
00400	09/19/92	09/19/92	G	SU PH	.....	.....	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
00095	09/19/92	09/19/92	G	MAG SPECIFIC CONDUCTANCE	.....	.....	7.00	01/07	7.00	7.30	6.00	5.81	5.97
					.....	.....	5.8	5.8	5.8	5.8	5.8	5.8	5.8

COMMENTS:

DSN 001C-2 Additional Data
November 1995

Date	pH	Specific Conductivity	VOLUME (gallons)	Boric Acid (kg)	Lithium (ppm)	Source
11/03/95	6.93	5.60	16380	11.16		WTT-B
11/03/95			16380	11.17		WTT-B
11/07/95	7.30	5.80	15120	24.55	<.1	WTT-A
11/10/95	6.12	1.80	15750	54.20		WTT-B
11/10/95			15750	54.23		WTT-B
11/13/95	8.00	1.60	17430	25.30		WTT-A
11/16/95	6.03	1.20	15120	20.10	<0.1	WTT-B
11/16/95			15120	20.10		WTT-B
11/22/95	5.90	0.90	17220	14.29	<0.1	WTT-A
11/23/95	6.55	0.90	6084.0	0.18	<0.1	BTT-B
11/24/95	5.91	0.80	16485	12.24		WTT-A
11/25/95	5.68	0.98	9126	0.52	<0.1	BTT-A
11/26/95	5.83	0.80	7839.0	0.50	<0.1	BTT-B
11/26/95	5.97	0.90	16065	11.69	<0.1	WTT-A
11/27/95	5.99	0.80	15750	10.10	<0.1	WTT-A

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KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995														
Discharg: 01C 3	Mon Loc: 1	Average Flow: 5000 GPD BLOWDOWN FR HEAT & COOL	ND = none detected															
														Sample Weeks:				
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5				
00698	120192	0/1	G	KG/D	BORIC ACID	*****	*****	13.6	WH/DS	13.6	2.92 0.99	5.14 5.2	3.50	12.14 12.10				
00164	120192	0/1	T	GPB	FLOW, GALLONS/BATCH	*****	*****	4000	01/07	3400 3200	3200	4000	3760	3200 3240				
00400	091986	0/0	G	SU	PH	*****	*****	11.50 11.46	01/07	11.16 8.58	11.50 11.46	11.50 9.86	11.45 11.08	11.45 8.56				
00530	120192	0/1	G	MG/L	SOLIDS, TOTAL SUSPENDED	*****	*****	18.2	01/07	2.6	1.0 1.0	18.2	2.5 3.4	6.5 7.3				

KEY: CT0003263		Issue: 121492		Expire: 12/14/97		Sample Month		November 1995						
Discharg: 01C 4		Mon Loc: 1		Average Flow: 80000 GPD						ND = none detected				
				WATER PRODUCTION WASTEWTR										
										Sample Weeks:				
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00164	091986	0/0	T	GPB	FLOW, GALLONS/BATCH	*****	47200	*****	01/07	48000	52000	42000	52000	42000
81313	091986	0/0	G	MG/L	HYDRAZINE	ND	*****	<0.2	02/99	<0.2	<0.2	<0.2	<0.2	<0.2
00400	091986	0/0	G	SU	PH	*****	*****	7.2	01/07	7.0	7.0	6.5	7.0	7.2
00530	120192	0/1	G	MG/L	SOLIDS, TOTAL SUSPENDED	*****	*****	7.7	01/07	1.9	2.7	1.0	0.6	7.7

KEY: CT0003263	Issue: 121492	Expire: 12/14/97	Sample Month	November 1995											
		Average Flow: 43200000 GPD	ND = none detected												
Discharg: 01C 5	Mon Loc: 1	NON-CONTACT COOLING WATER													
Sample Weeks:															
Code	Start	s/m	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5	
50064	120192	0/1	G	MG/L	CHLORINE, FREE AVAILABLE	*****	*****	0.19	01/07	0.13	0.12	0.16	0.16	0.15	
50050	120192	0/1	I	MGD	FLOW, IN CONDUIT OR THRU	*****	*****	43.2	02/99	43.2	43.2	43.2	43.2	43.2	
00011	120192	0/1	I	DEG F	TEMPERATURE DEG FAHR	*****	*****	64	01/07	62	60	60	64	62	

DSN 001C-3 Additional Data
November 1995

Date	pH	Total Suspended Solids (ppm)	VOLUME (gallons)	Boric Acid (kg)	Source
11/01/95	11.30	1.50	3200	1.20	LLWDT-B
11/02/95	8.97	0.60	3200	5.60	LLWDT-B
11/02/95	8.58	2.6	3400	13.60	LLWDT-A
① 11/03/95	9.96	0.6	3360	2.30	LLWDT-A
11/04/95	11.16	0.70	3600	0.98	LLWDT-B
11/05/95	11.08	1.4	3240	1.22	LLWDT-A
11/06/95	11.30	0.50	3200	1.49	LLWDT-B
11/07/95	11.50	1.0	3160	1.58	LLWDT-A
11/08/95	11.46	1.00	3200	0.99	LLWDT-B
② 11/09/95	10.80	18.0	3200	2.05	LLWDT-A
11/10/95	11.50	2.00	3200	2.92	LLWDT-B
11/11/95	11.49	1.2	3120	0.76	LLWDT-A
11/12/95	11.00	1.00	3200	4.60	LLWDT-B
11/13/95	11.50	1.5	3160	0.55	LLWDT-A
11/14/95	11.40	0.10	3260	4.65	LLWDT-B
③ 11/15/95	11.36	1.40	3360	1.44	LLWDT-B
11/16/95	9.66	18.2	4000	5.19	LLWDT-A
11/17/95	10.97	2.40	3200	0.69	LLWDT-B
11/18/95	11.36	16.5	2960	0.76	LLWDT-A
11/19/95	10.71	1.40	3240	1.86	LLWDT-B
11/19/95	11.23	1.4	2880	0.69	LLWDT-A
11/20/95	11.42	0.60	3200	1.30	LLWDT-B
11/22/95	11.08	2.5	3760	3.50	LLWDT-A
④ 11/23/95	11.45	0.40	3320	0.79	LLWDT-B
11/24/95	11.19	3.4	3120	2.09	LLWDT-A
11/25/95	11.31	1.30	3200	0.47	LLWDT-B
11/26/95	10.95	9.3	3240	2.87	LLWDT-A
11/27/95	11.45	1.00	3240	1.53	LLWDT-B
11/27/95	11.15	1.0	3080	2.47	LLWDT-A
⑤ 11/28/95	10.92	1.40	3240	1.76	LLWDT-B
11/29/95	8.56	6.50	3200	12.14	LLWDT-B
11/30/95	10.88	2.0	3200	5.55	LLWDT-A

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KEY: Q10000283	Issue: 121492	E.gdr: 12/14/97	Sample Month	November 1995	MD = none detected									
Discharge ICS B	Mon Loc: 1	Average Flow: 72000 GPD			Sample Week:									
		BLOWDOWN FR HEAT & COOL												
Code	Start	eln	Typ	Unit	Parameter	Minimum	Average	Maximum	Freq	1	2	3	4	5
00058	120182	0/1	T	OPD	FLOW RATE, AVERAGE DAILY	.....	.....	01/87	Not Sampled					
81319	091806	0/0	CP	MG/L	HYDRAZINE	.....	.....	01/87 15.0	NO DISCHARGE					15.0
00011	120182	0/1	Q	DEG F	TEMPERATURE DEG FAHR	.....	.....	01/87	NO DISCHARGE					

COMMENTS:

PERMIT: CT0003263

DIST: 12 TOWN: 152 LOC: 003

FACILITY: MILLSTONE NUCLEAR POWER STA.

MAILING NAME: NORTHEAST NUCLEAR ENERGY CO.

ADDRESS: RTE 156

ADDRESS: P.O. BOX 270

CITY, STATE, ZIP: WATERFORD, CT 06385

CITY, STATE, ZIP: HARTFORD, CT 06101

CONTACT: MR. PAUL JACOBSON

CONTACT: MR. PAUL JACOBSON

PHONE: (860) 447-1791 (x2335)

PHONE: (860) 447-1791 (x2335)

If there are any changes or corrections with your facility information, please cross out incorrect information and replace with correct information.

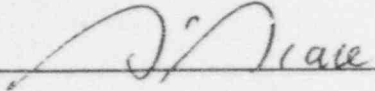
THIS REVISED DMR CONSISTS OF 9 PAGES FOR THE REPORTING PERIOD

November 1995

STATEMENT OF ACKNOWLEDGMENT

I certify under penalty of law that this revised document and all DMR revisions attached hereto, which only constitute revisions as specifically noted to pages and attachments previously submitted, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the revised information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: S. E. Scace Title: Director, Nuclear Engineering Programs, NNECO

Signature:  Date: 7/2/97