



Boston Edison

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360-5599

February 18, 1998
BECo Ltr. 5.98.012

Nancy L. Desmond
Regulatory Relations Group Manager

Planning and Administration (SPA)
U.S. Environmental Protection Agency
P.O. Box 8127
Boston, MA 02114-8127

Massachusetts Dept. of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

Discharge Monitoring Report

Dear Sirs:

Enclosed is the Discharge Monitoring Report for Pilgrim Nuclear Power Station (PNPS), NPDES permit number MA0003557 (Federal) and number 359 (State).

The period covered by this report is January 1998.

Should you have any questions on this report, please direct them to our Principal Marine Biologist, Mr. Robert Anderson, at (508) 830-7935.

Respectfully,

Nancy L. Desmond

RDA/lb/radmisc/DMR-JAN

Attachments: 1. Summary
2. Discharge Monitoring Report

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

Mass. Dept. of Environmental Protection
Office of Watershed Management
627 Main Street
Worcester, MA 01608

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

Senior NRC Resident Inspector
Pilgrim Nuclear Power Station

11
1225



9802250044 980131
PDR ADOCK 05000293
R PDR

ATTACHMENT 1 TO BECo LETTER 5.98.012

SUMMARY

PILGRIM I DISCHARGE MONITORING REPORT

In accordance with the Federal Clean Water Act, as amended (33USC 1251 et seq; the "CWA"), and the Massachusetts Clean Water Act, as amended (M.G.L.; Chap. 21, 26-53), regarding effluent limitations, monitoring requirements and other conditions set forth in the Pilgrim NPDES permit (Federal Permit Number MA0003557, and State Permit Number 359), Parts I and II, the following information is submitted for the period January 1998.

I. Discharge Points Covered in this Report

<u>Discharge Point</u>	<u>Discharge Identification</u>
001	Condenser Cooling Water
002	Thermal Backwash for Biofouling Control
003	Intake Screen Wash
004, 005, 006, and 007	Yard Drains (April and September)
008	Sea Foam Suppression
010	Service Cooling Water
011	Makeup Water and Demineralizer Waste Discharge

II. Summary and Notes of Discharge Report

- A. The flows at points 001 and 010 are calculated from system pump capacity and are equal to the total for all pumps in each system running at full capacity for a 24-hour period. The flow at 011 is measured by noting sump levels before and after discharge. Flow at point 002 is a conservative figure obtained by calculating flow if backwashing took place for 24 hours. Flows at points 003 and 008 are calculated from system pump capacity and mean operating time.
- B. The temperatures at points 001 and 002 are measured by resistance temperature detectors (RTD's).
- C. Periodically, total residual chlorine (TRC) concentration in the service cooling water (010) exceeds permit requirements (0.50 ppm daily average TRC and 1.00 ppm daily maximum TRC) prior to mixing with any other stream, primarily because of the number of service water pumps in operation. Chlorine injection levels are lowered as a corrective measure. The dilution provided by the PNPS circulating water flow keeps total residual chlorine concentrations discharged to Cape Cod Bay below the NPDES permit limit of 0.1 ppm.
- D. For stormwater outfalls 004, 005, 006 and 007, samples are collected by grab sampling. Samples are handled and stored in accordance with 40 CFR 136. No additional inputs to these stormwater outfalls occur downstream of the sampling locations.

- E. Intake traveling water screens were operated with dechlorination pumps on in January.
- F. No sawdust was applied to seek and seal PNPS condenser leaks in January 1998.
- G. There were no boron or sodium nitrite discharges (ppm) in January 1998.
- H. The PNPS Environmental Programs and Plans for 1998, to meet NPDES permit requirements, were approved by the USEPA on January 22, 1998 (BEC0 Letter 5.98.005).
- I. As endorsed previously, the PNPS Plant Manager (presently C.S. Goddard) is designated as the authorized agent to sign PNPS Discharge Monitoring Report (DMR) Forms for Boston Edison Company.

ATTACHMENT 2 to BECo LETTER 5.98.012
DISCHARGE MONITORING REPORT

PERMITTEE NAME/ADDRESS (Include Facility Name, Location if Different)
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
 RFD #1
 PLYMOUTH MA 02360
 FACILITY PILGRIM NUCLEAR POWER STATION
 LOCATION PLYMOUTH MA 02360
 ATTN: C.S. GODDARD, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (12-16) (17-19)
 MA0003557 PERMIT NUMBER
 0013 DISCHARGE NUMBER
 MONITORING PERIOD
 FROM 98 01 01 TO 98 01 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

CONDENSER COOLING WATER (SJR S)
 F - FINAL
 MAJOR
 Form Approved. EPA 8240-0004
 Approval Expires 05-31-98
 12385

*** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	74.6	(15) OF	0 99/99 RC	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	102	DEG. F	CONTINUOUS	
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.03	0.04	(19) MG/L	0 WH/OS GR	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.1	0.1	NO AVG DAILY MAX MG/L	WHEN GRAB DISCH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	445.8	446.4	(03) MGD	*****	*****	*****		0 99/99 ES	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	447.0	510.0	NO AVG DAILY MAX MGD	*****	*****	*****	****	CONTINUOUS	
TEMP. DIFF. BETWEEN INTAKE AND DISCHARGE 61576 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	30.3	(15) OF	0 99/99 CA	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	32	DAILY MAX DEG. F	CONTINUOUS	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER C.S. GODDARD PLANT MANAGER TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE 508.830.8100	DATE 98 2 9
			AREA CODE NUMBER	YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PH SHALL NOT VARY MORE THAN 0.5 PH STANDARD UNITS FROM INTAKE WATER. SEE PERMIT PAGE 5 PARAGRAPHS M&N FOR BORON AND SODIUM NITRATE REPORTING REQUIREMENTS. ATTACH ALL RELATED REPORTS TO THIS FORM. A BARRIER NET SHALL BE MAINTAINED AT THE THERMAL END OF DISCHARGE CANAL AT ALL TIMES.

PERMITTEE NAME/ADDRESS (Include Facility Name Location if Different)
 NAME **BOSTON ED #1 PILGRIM PLANT**
 ADDRESS **ROCKY HILL ROAD**
RFD #1
PLYMOUTH MA 02360
 FACILITY **PILGRIM NUCLEAR POWER STATION**
 LOCATION **PLYMOUTH MA 02360**
 ATTN: **C.S. GODDARD, PLANT MANAGER**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

MA0003557
 PERMIT NUMBER

002 1
 DISCHARGE NUMBER

THERMAL BACKWASH
(SUBR 5)
F - FINAL
MAJOR

Form Approved.
 OMB No. 2040-0004
 Approval Expires 05-31-98
12385

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
98	01	01	TO	98	01	31	
(20-21)		(22-23)		(24-25)		(26-27)	
				(28-29)		(30-31)	

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****				
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	11.6	(03)	*****	*****				
	PERMIT REQUIREMENT	*****	255.0	MGD	*****	*****				
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

no thermal backwash (15) of 120 DAILY MX DEG.F

0 9/1/79 RC
 CONTINUOUS
 0 W/DS ES
 WHEN ESTIMATED DISCH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
C.S. GODDARD
PLANT MANAGER
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
508 830 8100
 DATE
98 2 9

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THE PH SHALL NOT VARY MORE THAN 0.5 STANDARD UNITS FROM THAT OF THE INTAKE WATER. FLOW RATE IS TO BE ESTIMATED AS IF BACKFLUSHING TOOK PLACE FOR 24 CONTINUOUS HOURS. SEE PERMIT PAGE 8 FOR CONDITIONS REGARDING THE FREQUENCY OF DISCHARGE.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME **BOSTON ED #1 PILGRIM PLANT**
 ADDRESS **ROCKY HILL ROAD**
RFD #1
PLYMOUTH MA 02360
 FACILITY **PILGRIM NUCLEAR POWER STATION**
 LOCATION **PLYMOUTH MA 02360**
 ATTN: **C.S. GODDARD, PLANT MANAGER**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MA0003557
 PERMIT NUMBER

003 A
 DISCHARGE NUMBER

INTAKE SCREEN (SUBR S)
 F - FINAL
 MAJOR

Form Approved
 WASH No. 2040-0004
 Approval Expires 05-31-98
 12543


MONITORING PERIOD
 FROM YEAR 98 MO 01 DAY 01 TO YEAR 98 MO 01 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (42-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUANTITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 1 EFFLUENT GROSS VALUE		1.3	3.2	(03% MGD	*****	*****	*****		0	01/01	ES
		4.1 MO AVG	4.1 DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
C.S. GODDARD
PLANT MANAGER
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER
508-830-8100
 AR A CODE NUMBER
 DATE
98 2 9
 YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THE TEMPERATURE OF THIS DISCHARGE SHALL AT NO TIME EXCEED THE TEMPERATURE OF THE INTAKE WATER. ALL FISH SHELLFISH AND OTHER ORGANISMS COLLECTED OR TRAPPED ON INTAKE SCREEN SHOULD BE RETURNED TO WATER OF AMBIENT TEMP. SUFFICIENTLY DISTANT FROM INTAKE STRUCTURES TO PREVENT REIMPINGEMENT.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME **BOSTON ED #1 PILGRIM PLANT**
 ADDRESS **ROCKY HILL ROAD**
RFD #1

PLYMOUTH MA 02360

FACILITY **PILGRIM NUCLEAR POWER STATION**

LOCATION **PLYMOUTH MA 02360**

ATTN: **C.S. GODDARD, PLANT MANAGER**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

MA0003557
 PERMIT NUMBER

008 A
 DISCHARGE NUMBER

SEA FOAM SUPPRESSOR DISCHARGE
 (SUBR S)
 F - FINAL
 MAJOR

Form Approved
 Approval Expires 05-31-98
12385

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	01	01	98	01	31
(20-21)		(22-23)		(24-25)	
		(26-27)		(28-29)	
		(30-31)			

*** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-6)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	<i>No discharge</i>	<i>0.73</i>	<i>0.73</i>	<i>(03) MGD</i>	*****	*****	*****	0	01/01	ES
	PERMIT REQUIREMENT	NO AVG	DAILY MX	MGD	*****	*****	*****	****	DAILY	ESTIMA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
C.S. GODDARD
PLANT MANAGER
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **508 830-8100**
 DATE **98 2 9**
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if Different))
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
 RFD #1
 PLYMOUTH MA 02360
 FACILITY PILGRIM NUCLEAR POWER STATION
 LOCATION PLYMOUTH MA 02360
 ATTN: C.S. GODDARD, PLANT MANAGER

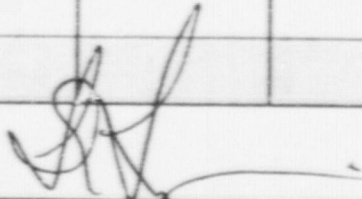
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 MA0003557 010 A
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 98 01 01 98 01 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved
 PLANT SERVICE CONTROL WATER
 (SUBR S)
 F - FINAL
 MAJOR
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.09	0.33	(19) MG/L	0	01/01	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 MO AVG	1.0 DAILY MX	MG/L			CONTINUOUS RECORDS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	7.2	*****	(03)	*****	*****	*****		0	09/99	ES
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	19.4 MO AVG	*****	AGD MGD	*****	*****	*****	****			CONTINUOUS RECORDS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 C.S. GODDARD
 PLANT MANAGER
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 6 years.)


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 508-830-8100 98 2 9
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 CONTINUOUS CHLORINATION OF SERVICE WATER SYSTEM MAY BE USED FOR MACROINVERTEBRATE CONTROL. FLOW RATE SHALL BE ESTIMATED FROM PUMP CAPACITY CURVES AND OPERATIONAL HOURS.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Form Approved

NAME BOSTON ED #1 PILGRIM PLANT

DISCHARGE MONITORING REPORT (DMR)

MAKE UP WATER AND ~~NON-HAZARDOUS~~

ADDRESS ROCKY HILL ROAD

MA0003557
PERMIT NUMBER

011 A
DISCHARGE NUMBER

Approval 72309 05-31-98

RFD #1

PLYMOUTH MA 02360

FACILITY PILGRIM NUCLEAR POWER STATION

LOCATION PLYMOUTH

MA 02360

ATTN: C.S. GODDARD, PLANT MANAGER

MONITORING PERIOD
FROM YEAR 98 MO 01 DAY 01 TO YEAR 98 MO 01 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

(SUBR 5)

F - FINAL

MAJOR

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	No discharge		(19)	0	01/BA	GR
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		ONCE/BATCH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	No discharge			(03)	*****	*****	*****	0	WH/DS	ES
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	0.015	0.06	MGD	*****	*****	*****	****		WHEN ESTIMATED	DISCHR
50050 1 0 0	PERMIT REQUIREMENT	MO AVG	DAILY MX	MGD	*****	*****	*****	****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1318. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
508.830.8100 98 2 9
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
SEE PAGE 5 OF PERMIT PARAGRAPH N FOR SODIUM NITRATE REPORTING REQUIREMENTS. ATTACH ALL RELATED REPORTS TO THIS FORM