



BOSTON EDISON

Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

W. C. Rothert
General Manager Technical

June 14, 1994
BEC0 5.94.059

NPDES Program Operations Section (WCP)
Environmental Protection Agency
P.O. Box 8127
Boston, MA 02114

Massachusetts Division of Water Pollution Control
Lakeville Hospital
Lakeville, MA 02346

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 May, 1994.



W. C. Rothert

RDA/lam/RAP/DMR

Attachments: 1. Summary
2. Discharge Monitoring Report

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

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

Senior NRC Resident Inspector
Pilgrim Nuclear Power Station

200042

9406200275 940531
PDR ADOCK 05000293
R PDR

JE231

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 May 1994.

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)
010	Service Cooling Water
011	Makeup Water and Demineralizer Waste Discharge

II. Summary and Notes of Discharge Report

- A. The flow 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. Flow at point 003 is 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, Sigma 800 \dot{S} L Portable Composite Samplers are utilized. The samplers are equipped with a "liquid level activator" that commences the sampling when the liquid reaches a predetermined level. This assures a sample is taken "within the first hour of the start of a significant storm event." The intake and collection assemblies of the samplers conform to U.S. EPA requirements for collecting oil and grease samples (USEPA letter to BECo dated 1/7/92). No additional inputs to these stormwater outfalls occur downstream of the composite samplers' sampling locations.

- E. Intake traveling water screens were operated with dechlorination pumps operating at all times.
- F. Sawdust was applied to seek and seal PNPS condenser leaks on May 1 (1,080 pounds), 2 (180 pounds), 3 (180 pounds), and 4 (120 pounds).
- G. The following boron and sodium nitrite discharges (ppm) occurred in May 1994 from discharge point #001. All discharges were below NPDES Permit limits prior to entering Cape Cod Bay.

<u>Date Discharged</u>	<u>Gallons Discharged</u>	<u>Concentration Before Discharge</u>	<u>Concentration Discharged</u>
Boron			
5/19/94	10,354	<1.0	<0.0013
5/30/94	12,358	<1.0	<0.0013
Sodium Nitrite			
5/19/94	10,354	1.5	0.0019
5/30/94	12,358	2.0	0.0026

- H. On May 20, 1994 the USEPA approved the release of suspended solids in excess of NPDES Permit limits (100 ppm) from the PNPS demineralizer waste discharge (point 011) (BEC Co Telecon 4.94.017). The suspended solids concentration in the waste tank was 431 ppm but the concentration discharged to Cape Cod Bay, with circulating water pump dilution, was less than 1 ppm. This high concentration of suspended solids caused the monthly average to exceed the Permit limit also because there were only two instances of demineralizer waste discharge in May.
- I. There was no significant rainwater event in April 1994 during which adequate samples for yard drains #004, 005, 006 and 007 could be taken, as required. These discharge points were sampled in May 1994 as soon as adequate rainwater flow made this possible, and the results are attached.
- J. A federal consistency review for the Pilgrim Station NPDES Permit draft modifications was requested by the Mass Office of Coastal Zone Management on May 11, 1994, and it was submitted to them on May 13, 1994 (BEC Co letter 5.94.050).
- K. Approximately 2 cubic yards of sand were removed from the concrete surfaces of the intake structure on May 10, 1994. It was pumped into breakwater crevices above the high tide mark. The sand removal was necessary to alleviate concern over its effects on normal operation of mechanical components/traveling screens, and it was expected to have no adverse environmental impact. The removal operation was in accordance with Part I, Paragraph A.1.0 of the NPDES Permit.

ATTACHMENT 2 TO BECo LETTER 5.94.059
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 _____
 LOCATION _____

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

MA0003557
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MAJOR (SUBR S) Form Approved. OMB No. 2040-0004
 F - FINAL Approval expires 10-31-94
 CONDENSER COOLING WATER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
94	05	01		94	05	31

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

ATTN: L.L. SCHMELING, PLANT MANAGER

PARAMETER (2-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY 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		*****	*****		*****	*****	77.5	(15)	OF	99/99 RC
EFFLUENT GROSS VALUE		*****	*****	****	*****	*****	102			CONTIN&CORDR
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0		*****	*****		*****	0.01	0.03	(19)	MB/L	WH/DS GR
EFFLUENT GROSS VALUE		*****	*****	****	*****	0.1	0.1			WHEN GRAB DISCHR
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0		446.4	446.4	(03) MGD	*****	*****	*****			99/99 ES
EFFLUENT GROSS VALUE		447.0	510.0	MO AVG DAILY MX MGD	*****	*****	*****	****		CONTIN ESTIMA UOUS
TEMP. DIFF. BETWEEN INTAKE AND DISCHARGE 61576 1 0 0		*****	*****		*****	*****	30.0	(15)	OF	99/99 CA
EFFLUENT GROSS VALUE		*****	*****	****	*****	*****	32			CONTIN CALCTO UOUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
L.L. SCHMELING
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 USC § 1001 AND 53 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Jean Bellefleur
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 508 747-8100
 DATE 94 6 9
 AREA CODE NUMBER YEAR MO DAY

COMMENT 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.
 EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) PAGE 4 OF 4

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
REG #1
PLYMOUTH MA 02360
 FACILITY _____
 LOCATION _____
 ATTN: L.L. SCHMELING, PLANT MANAGER

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 MA0003557
 PERMIT NUMBER
 0021
 DISCHARGE NUMBER

MAJOR (SUBR S) Form Approved.
 F - FINAL OMB No. 2040-0004
 THERMAL BACKWASH Approval expires 10-31-94

MONITORING PERIOD
 FROM YEAR 94 MO 05 DAY 01 TO YEAR 94 MO 05 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)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			UNITS	NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
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	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: L.L. SCHMELING PLANT MANAGER
 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: [Signature]
 TELEPHONE: 508 747-8100
 DATE: 94 6 9

COMMENT 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
RED #1
PLYMOUTH MA 02360
 FACILITY _____
 LOCATION _____

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

MAC0003557 PERMIT NUMBER
 010 A DISCHARGE NUMBER

MAJOR (SUBR S) Form Approved.
 F - FINAL OMB No. 2040-0004
 PLANT SERVICE COOLING WATER Approval expires 10-31-94

MONITORING PERIOD
 FROM YEAR 94 MO 05 DAY 01 TO YEAR 94 MO 05 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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

ATTN: L.L. SCHMELING, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIDANTS, TOTAL RESIDUAL	*****	*****			*****	0.07	0.28	(19)	99/99	RC
34044 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0			
EFFLUENT GROSS VALUE						MO AVG	DAILY MX			CONTINRCORDR
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	9.41	*****	(03)		*****	*****	*****			WH/DS ES
50050 1 0 0	PERMIT REQUIREMENT	19.4	*****	MGD	*****	*****	*****	****		CONTINESTIMA
EFFLUENT GROSS VALUE		MO AVG		MGD				****		UOUS
	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
 L.L. SCHMELING
 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 USC § 1001 AND 33 USC § 1319). (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Jan Bellenger
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 508 747-8100
 DATE 94 6 9
 AREA CODE NUMBER YEAR MO DAY

COMMENT 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)
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
RED #1
PLYMOUTH MA 02360

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

MA0003557
 PERMIT NUMBER

011 A
 DISCHARGE NUMBER

MAJOR (SUBR S) Form Approved.
 F - FINAL OMB No. 2040-0004
 MAKE UP WATER AND DEMINERALIZE Approval expires 10-31-94

FACILITY
 LOCATION
 ATTN: L.L. SCHMELING, PLANT MANAGER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	05	01		94	05	31

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

PARAMETER (12-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	*****	245.3	431.0	(19)	2*	99/99	RC
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MGL		ONCE/ GRAB	
EFFLUENT GROSS VALUE				****		MO AVG	DAILY MX	MG/L		BATCH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.00038	0.00041	(03)	*****	*****	*****			OWN/DS	ES
50050 1 0 0	PERMIT REQUIREMENT	0.015	0.06	MGD	*****	*****	*****	****		WHEN ESTIMA	
EFFLUENT GROSS VALUE		MO AVG	DAILY MX	MGD				****		DISCHR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>L.L. SCHMELING</u> <u>PLANT MANAGER</u>	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 23 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.)	TELEPHONE <u>508 747-8100</u>	DATE <u>94 6 9</u>		
			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <u>Jean Bellefeuille</u>	AREA CODE	NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SEE PAGE 5 OF PERMIT PARAGRAPH N FOR SODIUM NITRATE REPORTING REQUIERMENTS. ATTACH ALL RELATED REPORTS TO THIS FORM
 * SEE SUMMARY NOTES #II, H.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME BOSTON ED #1 PILGRIM PLANT
ADDRESS ROCKY HILL ROAD
 RED #1
 PLYMOUTH MA 02360
FACILITY
LOCATION

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

MA0003557
 PERMIT NUMBER

004 A
 DISCHARGE NUMBER

MAJOR (SUBR S)
 F - FINAL
 YARD DRAINS

Form Approved
 OMB No. 2040-0004

* MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30

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

ATTN: L.L. SCAMELING, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (4 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
SOLIDS, TOTAL SUSPENDED	*****	*****			*****	8.9	8.9	(19)	0	02/YR GR
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		SEMI-GRAB ANNUAL
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NO AVG	DAILY MX	MG/L		
OIL AND GREASE	PERMIT REQUIREMENT	*****	*****	****	*****	1.4	1.4	(19)	0	02/YR GR
FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	REPORT	15	MG/L		SEMI-GRAB ANNUAL
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****		DAILY MX	MG/L		
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
 L.L. SCAMELING
 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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

Jan Bellafante Falls
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 508 747-8100
 DATE: 94 6 9
 AREA CODE NUMBER YEAR MO DAY

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

* SEE SUMMARY NOTES * II. I.

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

NAME BOSTON ED #1 PILGRIM PLANT

ADDRESS ROCKY HILL ROAD

RD #1

PLYMOUTH

MA 02350

FACILITY

LOCATION

ATTN: L.L. SCHMELING, PLANT MANAGER

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

(2-16)

(17-19)

MA0003557

PERMIT NUMBER

005 A

DISCHARGE NUMBER

MAJOR
(SUBR 5)
F - FINAL
YARD DRAINS

Form Approved
OMB No. 2040-0004

*

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	94	04	01		94	04	30
	(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	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	*****	*****	*****	*****	1.6	1.6	(19)	0	02/YR	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30	100	MG/L		SEMI-GRAB	ANNUAL
OIL AND GREASE	*****	*****	*****	*****	MO AVG	DAILY MX	MG/L		02/YR	GR
FREON EXTR-GRAV METH 00556 1 0 U	*****	*****	*****	*****	REPORT	15	MG/L		SEMI-GRAB	ANNUAL
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		DAILY MX	MG/L			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
L.L. SCHMELING
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.)

Jean Bellefleur
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OF AUTHORIZED AGENT

TELEPHONE	DATE
508 747-8100	94 6 9
AREA CODE NUMBER	YEAR MO DAY

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

* SEE SUMMARY NOTES #II.I.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
RED #1
PLYMOUTH MA 02360
 FACILITY _____
 LOCATION _____

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

MA0003557
 PERMIT NUMBER

006 A
 DISCHARGE NUMBER

MAJOR (SUBR S)
 F - FINAL
 YARD DRAINS

Form Approved
 OMB No. 2040-0004

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
94	04	01		94	04	30

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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

ATTN: L.L. SCHEMLING, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (46-53)			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	1.5	1.5	(19)	0	02/YR GR
	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		SEMI-GRAB ANNUAL
EFFLUENT GROSS VALUE OIL AND GREASE 00556 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	1.1	1.1	(19)	0	02/YR GR
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	15	MG/L		SEMI-GRAB ANNUAL
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
L.L. SCHEMLING
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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

Jean Bellaguarda
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 508 747-8100
 DATE: 94 6 9
 AREA CODE NUMBER YEAR MO DAY

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

* SEE SUMMARY NOTES #II.I.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)
 NAME BOSTON ED #1 PILGRIM PLANT
 ADDRESS ROCKY HILL ROAD
REF #1
PLYMOUTH MA 02360
 FACILITY _____
 LOCATION _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
 MAD003557
 PERMIT NUMBER

MAJOR (SUBR S)
 F - FINAL
 YARD DRAINS
 Form Approved
 OMB No. 2040-0004

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 94 04 01 TO 94 04 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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

ATTN: L.L. SCHMELING, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (54-56)	UNITS (54-57)	MINIMUM (38-39)	AVERAGE (46-47)	MAXIMUM (46-48)			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	*****	*****	*****	*****	*****	10.1	10.1	(19)	0	02/YR GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		SEMI-GRAB ANNUAL
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0	*****	*****	*****	*****	*****	1.1	1.1	(19)	0	02/YR GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	15	MG/L		SEMI-GRAB ANNUAL
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
L.L. SCHMELING
PLANT MANAGER
 TYPED OR PRINTED

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L.L. Schmeling
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
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 AREA CODE NUMBER
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

* SEE SUMMARY NOTES # II.I.