

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RED #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

(2-16)			(17-19)		
MA0003557			001 1		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	10	01	84	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

F - FINAL LIMITS  
COOLING WATERS

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			UNITS	NO. EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG, FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	59.7	60.6	61.6		0		
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	102 INST MX	DEG.F		CONTIN UOUS	CONTIN
EFFLUENT GROSS VALUE CHLORINE, TOTAL RESIDUAL 50060 1 0	SAMPLE MEASUREMENT	220.8	223.2		*****	*****	*****	*****	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	447.0	510.0	MGD	*****	*****	*****	*****		CONTIN UOUS	CONTIN
	SAMPLE MEASUREMENT	30DA AVG	DAILY MX		0	0	0		0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	.1 DAILY MX	MG/L		ONCE/ DISCHG	GRAB-2
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

8502050316 841231  
PDR ADDCK 05000293  
R PDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  C.J. MATHIS STATION 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.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  C.J. Mathis	TELEPHONE	DATE		
			617 746-7400 AREA CODE NUMBER	85	1	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
PH SHALL NOT VARY MORE THAN 0.5 PH STANDARD UNITS FROM INTAKE WATER.  
TEMP. SHALL AT NO TIME EXCEED A 32 DEGREE RISE OVER TEMP OF INTAKE WATER.

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

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

Form Approved  
OMB No. 2040-0004  
Expires 2-29-84

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

001 1  
DISCHARGE NUMBER

F - FINAL LIMITS  
COOLING WATERS

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 84 11 01 TO 84 11 30  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	49.3	50.2	51.1		0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	102 INST MX	DEG.F		CONTINUOUS	CONTINUOUS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	196.3	223.2		*****	*****	*****	*****	0		
	PERMIT REQUIREMENT	447.0 30DA AVG	510.0 DAILY MX	MGD	*****	*****	*****	*****	*****	CONTINUOUS	CONTINUOUS
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	0	0	0		0		
	PERMIT REQUIREMENT	*****	*****	*****	***** DAILY MN	*****	.1 DAILY MX	MG/L		ONCE/	GRAB-2 DISCHG
	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 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.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

C.J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

617 746 7900

85 1 23

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.  
TEMP. SHALL AT NO TIME EXCEED A 32 DEGREE RISE OVER TEMP OF INTAKE WATER.

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557

PERMIT NUMBER

001 1

DISCHARGE NUMBER

F - FINAL LIMITS  
COOLING WATERS

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	12	01	84	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	43.3	44.2	46.5	0		
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	102 INST MX	DEG.F	CONTIN UOUS	CONTIN UOUS
EFFLUENT GROSS VALUE CHLORINE, TOTAL RESIDUAL 50060 1 0	SAMPLE MEASUREMENT	266.4	446.4		*****	*****	*****	*****		
	PERMIT REQUIREMENT	447.0 30DA AVG	510.0 DAILY MX	MGD	*****	*****	*****	*****	CONTIN UOUS	CONTIN UOUS
	SAMPLE MEASUREMENT	*****	*****	*****	0	0	0	0		
	PERMIT REQUIREMENT	*****	*****	*****	***** DAILY MN	*****	.1 DAILY MX	MG/L	ONCE/ DISCHG	GRAB-2
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.J. MATHIS  
STATION 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

DATE

617  
AREA  
CODE

746-7900  
NUMBER

85  
YEAR

1  
MO

23  
DAY

PH SHALL NOT VARY MORE THAN 0.5 PH STANDARD UNITS FROM INTAKE WATER.  
TEMP. SHALL AT NO TIME EXCEED A 32 DEGREE RISE OVER TEMP OF INTAKE WATER.



NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

002 1  
DISCHARGE NUMBER

F - FINAL LIMITS  
CONDENSER BACKWASH

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	10	01	84	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0	SAMPLE MEASUREMENT	*****	*****	*****	no backwashes			0		
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	PERMIT REQUIREMENT	*****	*****	*****	***** DAILY MN	***** DAILY MX	***** 120	DEG.F	CONTINUOUS	CONTINUOUS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0	0	MGD	*****	*****	*****	0		
	PERMIT REQUIREMENT	*****	255.0 DAILY MX		*****	*****	*****	*****	SEE PERMIT	ESTIMATE
	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 <u>C.J. MATHIS</u> <u>STATION MANAGER</u> 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 <u>Charles Mathis</u>	TELEPHONE 617 746-7900	DATE 81 1 23
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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 7 FOR CONDITIONS REGARDING THE FREQUENCY OF DISCHARGE.

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557

PERMIT NUMBER

002 1

DISCHARGE NUMBER

F - FINAL LIMITS  
CONDENSER BACKWASH

MONITORING PERIOD								
YEAR	MO	DAY	YEAR	MO	DAY			
84	11	01	84	11	30			
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)			

FROM

TO

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(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 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	no backwashes			0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	120	DEG.F	CONTIN	CONTIN
	SAMPLE MEASUREMENT	0	0		*****	*****	*****	*****	0	
	PERMIT REQUIREMENT	*****	255.0	MGD	*****	*****	*****	*****	SEE	ESTIMA
	SAMPLE MEASUREMENT		DAILY MX						PERMIT	
	PERMIT REQUIREMENT									
	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.J. MATHIS  
STATION 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.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617 746 7400

85 1 23

AREA  
CODE

NUMBER

YEAR

MO

DAY

COMMENT: EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
THE PL 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 7 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  
LOCATION

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

(2-16)  
MA0003557  
PERMIT NUMBER

(17-19)  
002 1  
DISCHARGE NUMBER

F - FINAL LIMITS  
CONDENSER BACKWASH

Form Approved  
OMB No. 2040-0004  
Expires 2-29-84

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	12	01	84	12	31
(120-21)	(122-23)	(124-25)	(126-27)	(128-29)	(130-31)

FROM

TO

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	no backwashes			0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	120			
	SAMPLE MEASUREMENT	0	0		*****	*****	*****	0		
	PERMIT REQUIREMENT	*****	255.0	MGD	*****	*****	*****	*****		
			DAILY MX							
	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

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C.J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617 746-7900 85 1 23  
AREA CODE NUMBER YEAR MO DAY

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 7 FOR CONDITIONS REGARDING THE FREQUENCY OF DISCHARGE.



NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

003 A  
DISCHARGE NUMBER

F - FINAL LIMITS  
INTAKE SCREEN WASH

MONITORING PERIOD  
FROM YEAR 84 MO 10 DAY 01 TO YEAR 84 MO 10 DAY 31  
(20-21) (22-24) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)	(46-53) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.242	0.252	MGD	*****	*****	*****	*****	0		
	PERMIT REQUIREMENT	0.336	2.02		*****	*****	*****	*****			
		30DA AVG	DAILY MX								
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C. J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617  
AREA  
CODE

746-7600  
NUMBER

85 1 23  
YEAR MO DAY

COMMENT 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

LOCATION

ATTN: C.J. MATHIS, STATION MANAGER

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

(2-16)

(17-19)

MA0003557

PERMIT NUMBER

003 A

DISCHARGE NUMBER

F - FINAL LIMITS  
INTAKE SCREEN WASH

Form Approved  
OMB No. 2040-0004  
Expires 2-29-84

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 84	11	01	TO 84	11	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.769	<del>0.512</del> 1.512	MGD	*****	*****	*****	*****	1	SEE SUMMARY NOTES #11.H. CONTINUED
	PERMIT REQUIREMENT	0.336 30DA AVG	2.02 DAILY MX		*****	*****	*****	*****		
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.J. MATHIS  
STATION 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.)

Charles Mathis  
SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617 746 7900  
AREA CODE NUMBER

85- 1 23  
YEAR MO DAY

COMMENT 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 \_\_\_\_\_  
LOCATION \_\_\_\_\_

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

MA0003557

PERMIT NUMBER

(17-19)

003 A

DISCHARGE NUMBER

F - FINAL LIMITS  
INTAKE SCREEN WASH

Form Approved  
OMB No. 2040-0004  
Expires 2-29-84

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	12	01	84	12	31
(20-31)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FROM

TO

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.327	<del>1.653</del> 1.653	MGD	*****	*****	*****	*****	1	SEE SUMMARY NOTES # II. H.	CONTINUED ESTIMATED
	PERMIT REQUIREMENT	0.336 30DA AVG	2.02 DAILY MX		*****	*****	*****	*****			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	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 SIG-  
NIFICANT 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.)

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

C.J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

*C.J. Mathis*

617 746 7400

85 1 23

AREA  
CODE

NUMBER

YEAR

MO

DAY

COMMENT 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)

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

Approved  
OMB No. 2040-0004  
Expires 2-29-84

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557

PERMIT NUMBER

010 A

DISCHARGE NUMBER

F - FINAL LIMITS  
SERVICE COOLING WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	10	01	84	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.64	4.8	MGD	*****	*****	*****	*****	0	CONTINUOUS
	PERMIT REQUIREMENT	11.7	*****		*****	*****	*****	*****	0	
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	0	0	0	0	0	CONTINUOUS
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.25 30DA AVG	0.5 DAILY MX	MG/L	0	
	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.J. MATHIS  
STATION 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

DATE

617 746-7900 85 1 23  
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.



NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RED #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

010 A  
DISCHARGE NUMBER

F - FINAL LIMITS  
SERVICE COOLING WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	11	01	84	11	30
(120-21)	(122-23)	(124-25)	(128-29)	(128-29)	(130-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.4	4.2		*****	*****	*****	*****	0	
	PERMIT REQUIREMENT	11.7	*****	MGD	*****	*****	*****	*****		CONTINUOUS
	SAMPLE MEASUREMENT	*****	*****	*****	0.06	0.35	0.66		9	SEE SUMMARY NOTES #11.C.
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.25 30DA AVG	0.5 DAILY MX	MG/L		CONTINUOUS
	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 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.)

*Charles Mathis*  
SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617 746 7400  
AREA CODE NUMBER YEAR MO DAY  
85 1 73

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.

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

010 A  
DISCHARGE NUMBER

F - FINAL LIMITS  
SERVICE COOLING WATER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	12	01	84	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.4	7.2	MGD	*****	*****	*****	*****	0		
	PERMIT REQUIREMENT	11.7	*****		*****	*****	*****	*****			CONTIN DAILAV UOUS
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	0.13	0.23	0.37		2		SEE SUMMARY NOTES #II.C.
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.25 30DA AVG	0.5 DAILY MX	MG/L			CONTIN DAILAV 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  
C.J. MATHIS  
STATION 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.)

Charles Mathis  
SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE  
617-7467400  
DATE  
85 1 23  
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.



NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557  
PERMIT NUMBER

011 A  
DISCHARGE NUMBER

F - FINAL LIMITS  
MAKE UP WATER AND DEMINERALIZE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	10	01	84	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.1	*****	8.3	0		
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.1 MINIMUM	*****	8.4 MAXIMUM	SU	SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	9.6	52.8	0		
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 30DA AVG	100 DAILY MX	MG/L	SEE PERMIT	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.013	0.022		*****	*****	*****	*****	0	
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.015 30DA AVG	0.06 DAILY MX	MGD	*****	*****	*****	*****	SEE PERMIT	ESTIMA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.J. MATHIS  
STATION 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.)

*Charles Mathis*

SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

617 746 7800

85 1 23

AREA  
CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments, if any)

FORMERLY DESIGNATED DISCHARGE 001B. SAMPLES TAKEN IN COMPLIANCE WITH THE MONITORING REQUIREMENTS SPECIFIED ABOVE SHALL BE TAKEN AT A POINT PRIOR TO MIXING WITH ANY OTHER STREAM. SEE PG 11 OF PERMIT FOR BIOLOGICAL MONITORING REQUIREMENTS.

NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557

PERMIT NUMBER

011 A

DISCHARGE NUMBER

F - FINAL LIMITS  
MAKE UP WATER AND DEMINERALIZE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	11	01	84	11	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX	FREQUENCY OF ANALYSIS (62-63)	SAMPLE TYPE (64-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.1	*****	8.3	0		
00400 1 0 EFFLUENT GROSS VALL	PERMIT REQUIREMENT	*****	*****	*****	6.1 MINIMUM	*****	8.4 MAXIMUM		SEE	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	6.4	40.0	0		
00530 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	*****	*****	30 30DA AVG	100 DAILY MX		SEE	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	0.011	0.024		*****	*****	*****	0		
50050 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	0.015 30DA AVG	0.06 DAILY MX	MGD	*****	*****	*****		SEE	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

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

DATE

C.J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

*Charles Mathis*

617 746 7400 88 1 23  
AREA CODE NUMBER YEAR MO DAY

FORMERLY DESIGNATED DISCHARGE 001B. SAMPLES TAKEN IN COMPLIANCE WITH THE MONITORING REQUIREMENTS SPECIFIED ABOVE SHALL BE TAKEN AT A POINT PRIOR TO MIXING WITH ANY OTHER STREAM. SEE PG 11 OF PERMIT FOR BIOLOGICAL MONITORING REQUIREMENTS.



NAME BOSTON ED #1 PILGRIM PLANT  
ADDRESS ROCKY HILL ROAD  
RFD #1  
PLYMOUTH MA 02360  
FACILITY \_\_\_\_\_  
LOCATION \_\_\_\_\_

MA0003557

PERMIT NUMBER

011 A

DISCHARGE NUMBER

F - FINAL LIMITS  
MAKE UP WATER AND DEMINERALIZE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	12	01	84	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

ATTN: C.J. MATHIS, STATION MANAGER

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.2	*****	8.4		0		
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.1 MINIMUM	*****	8.4 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	5.8	19.4		0		
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 30DA AVG	100 DAILY MX	MG/L		SEE PERMIT	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.011	0.013		*****	*****	*****	*****	0		
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.015 30DA AVG	0.06 DAILY MX	MGD	*****	*****	*****	*****		SEE PERMIT	ESTIMA
	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. § 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

DATE

C.J. MATHIS  
STATION MANAGER

TYPED OR PRINTED

*Charles J. Mathis*

217 746 700

85 1 23

AREA  
CODE

NUMBER

YEAR MO DAY

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

FORMERLY DESIGNATED DISCHARGE 001B. SAMPLES TAKEN IN COMPLIANCE WITH THE MONITORING REQUIREMENTS SPECIFIED ABOVE SHALL BE TAKEN AT A POINT PRIOR TO MIXING WITH ANY OTHER STREAM. SEE PG 11 OF PERMIT FOR BIOLOGICAL MONITORING REQUIREMENTS.

BOSTON EDISON COMPANY  
800 BOYLSTON STREET  
BOSTON, MASSACHUSETTS 02199

WILLIAM D. HARRINGTON  
SENIOR VICE PRESIDENT  
NUCLEAR

January 25, 1985  
BECO 5.85.006

United States Environmental Protection Agency  
Region I  
Permits Processing Unit - Room 2109  
John F. Kennedy Federal Building  
Boston, Massachusetts 02203

Massachusetts Division of Water Pollution Control  
Lakeville Hospital  
Lakeville, Massachusetts 02203

Gentlemen:

Enclosed is the Discharge Monitoring Report for Pilgrim Nuclear Power Station, NPDES Permit Number 0003557 (Federal) and Number 359 (State).

The period covered by this report is October 1, 1984 to December 31, 1984.

Very truly yours,

*W.D. Harrington*

Attachment - Discharge Monitoring Report

cc: Mr. Dominic B. Vassallo, Chief (w/attachments)  
Operations Reactors Branch #2  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

cc: Dr. Thomas E. Murley (w/attachments)  
Regional Administrator  
Office of Inspection & Enforcement  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

IB25  
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## PILGRIM I DISCHARGE PERMIT REPORT

In accordance with the Federal Clean Water Act, amended (33USC 1251 Et. Seq: the "CWA", and the Massachusetts Clean Waters Act, as amended (M.G.L., C21, 26-53), regarding effluent limitations, monitoring requirements and other conditions set forth in the Pilgrim Discharge Permits (Federal Permit Number MA0003557, and State Permit Number 359), Parts I and II, the following information is submitted for the period October 1, 1984 - December 31, 1984.

### I. Discharge Points Covered in this Report

<u>Discharge Point</u>	<u>Discharge Identification</u>
001	Condenser Cooling Water
002	Condenser Backwash and Slime Control
003	Intake Screen Wash
010	Service Cooling Wash
011	Makeup Water and Demineralizer Waste Discharge

### II. Summary and Notes of Discharge Report

- A. The flow points 001 and 010 are calculated from system pump capacity and are equal to the total flow for all pumps in each system running at full capacity for a 24-hour period. The flow point 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 temperature at point 001 and 002 are measured by resistance temperature detectors (RTD's).
- C. Periodically, total residual chlorine concentration in the service cooling water (010) exceeds Permit requirements, primarily because of the number of service water pumps in operation. Chlorine levels are lowered as a corrective measure although the dilution provided by the flow kept total residual chlorine concentrations discharged to Cape Cod Bay below 0.1 ppm.
- D. Via USEPA letter to Boston Edison Company dated December 1, 1983, Pilgrim Station has been given permission to increase its Service Cooling Water (010) flow rate from 11.7 MGD to 19.4 MGD.
- E. Pilgrim Station shutdown on December 10, 1983 for a planned outage and remained shutdown from October 1 - December 30, 1984.

- F. A maximum of 25,000 gallons of demineralized water containing 11 ppm (parts per million) of silica was discharged from point #011 under the dilution of one seawater pump (155,000 gpm). Verbal authorization was received for this discharge and a follow-up letter submitted to EPA, Compliance Branch (T.E. Landry) on December 13, 1984 (BEC0 letter 5.84-047).
- G. Intake traveling screens were operated without dechlorination pumps operating on 11/21 (2 occurrences), 11/23, 11/24, 11/25, 11/26 11/27, 12/3, 12/10, 12/12, 12/17, 12/21, and 12/29. One occurrence on each date unless otherwise noted.
- H. Thirty day average, intake screen wash (003) flow periodically exceeds Permit limits because of continuous screen washing required for removal of heavy debris loads, caused by coastal storms. A letter requesting an increase in this Permit limit from 0.336MGD to 2.02MGD was sent to T. E. Landry on December 13, 1984 to the EPA, Compliance Branch (BEC0 letter 5.84-048).
- I. The Pilgrim Station discharge canal, fish barrier net was installed on December 20, 1984 after having been removed in December 1983 for the outage period. EPA gave permission for its removal via letter of December 16, 1983.
- J. From December 29, 1984 - January 8, 1985, approximately 90 bags (2,250 lbs) of sawdust were applied to the Pilgrim Station condensers to seal leaks.
- K. The 1985 Pilgrim Station, NPDES Permit Environmental Monitoring Program was submitted to EPA and the Mass. DWPC on December 27, 1984 (BEC0 letters 5.84-052 and 5.84-053 respectively).