

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

> October 15, 1998 BECo Ltr. 5.98.104

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 Septembo 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,

J.F. Alexander Regulatory Affairs Group Manager

RDA/dcg/598104

Attachments: 1. Summary

2. Discharge Monitoring Report

cc: U. S. Nuclear Regulatory Commission

Document Control Desk Washington, DC 20555

10014 U.S. Nuclear Regulatory Commission

Region I 475 Allend

475 Allendale Road

King of Prussia, PA 19406

9810200189 980930 PDR ADDCK 05000293 R PDR Mass. Dept. of Environmental Protection Office of Watershed Management

627 Main Street Worcester, MA 01608

Senior NRC Resident Inspector Pilgrim Nuclear Power Station 1625

#### ATTACHMENT 1 TO BECO LETTER 5.98.104

#### 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 September 1998.

## Discharge Points Covered in this Report

Discharge Point	Discharge Identification
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 September.
- F. No sawdust was applied to seek and seal PNPS condenser leaks in September 1998.
- G. The following boron and sodium nitrite discharges (ppm) occurred in September 1998 from discharge point #001. All discharges were below NPDES permit limits prior to entering Cape Cod Bay.

Date Discharged	Gallons Discharged	Concentration Before Discharge	Concentration Discharged
	В	oron	
9/17/98	9,519	1.0	0.0013
	Sodiu	m Nitrite	
9/17/98	9,519	45.0	0.0581

- H. By Telecon on October 1, 1998, the USEPA approved the use of PNPS NPDES Permit storm drain #005 for the intermittent discharge of Station heat and demineralizer water, used for testing the heating system, within NPDES Permit chemical and physical limits prior to entering Cape Cod Bay (BECo Telecon 4.98.009)
- 1. September 1998 yard drain monitoring showed a pH value of 5.4 at yard drain #004 which is below the lower NPDES Permit Limit of 6.0. This may be attributable to a low natural rainwater pH of 4.4 at that time.

ATTACHMENT 2 to BECo LETTER 5.98.104

DISCHARGE MONITORING REPORT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location of Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Form Approved. DISCHARGE MONITORING REPORT IDMR NAME BOSTON ED #1 PILGRIM PLANT CONDENSER COOLING ME NO 12640-0004 (2-16) (17-19) Approvel expires 05-31-98 ADDRESS ROCKY HILL ROAD MA0003557 001 1 (SUBR S) RED #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH MA 02360 98 01 FROM 09 प्रश् 09 513 \*\*\* NO DISCHARGE ! ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING (4 Card Only) QUANTITY OR CONCENTRATION PARAMETER FREQUENCY NO. SAMPLE 146-53) (54-61) (38-45) (46-53) 154-611 OF (32-37) EX TYPE ANALYSIS AVERAGE MUMIXAN UNITS MINIMEIM AVERAGE MAXIMUM UNITS 162-63 (64-68) (69-70) TEMPERATURE, HATER SAMPLE \*\*\*\*\* \*\*\*\* \*\*\* \*\*\*\* ( 15 MEASUREMENT DEG. FAHRENHEIT 0+ 00011 1 0 0 PERMIT \*\*\*\* 102 \*\*\*\* CORD EFFLUENT GROSS VALUEREQUIREMENT \*\*\* DAILY MX DEG.F HOUS SAMPLE OXIDANTS, TOTAL \*\*\* \*\*\*\* ( 19) 0.06 0.0 MEASUREMENT RESTOUAL 34044 1115/1 0 PERMIT \*\*\* \*\*\*\* \*\*\*\* 0-1 0-1 GRAB 開発を開 EFFLUENT GROSS VALUEREQUIREMENT \*\*\* HO AVG DAILY MX MG/L DISCHE IN CONDUIT OR SAMPLE ( 03) \*\*\*\* \*\*\*\* 436.6 446.4 THRU TREATMENT PLANTMEASUREMENT MG1) 50050 1 0 447.0 510-0 PERMIT \*\*\*\* \*\*\*\* \*\*\* EFFLUENT GROSS VALUEREQUIREMENT MO AVG DAILY MX MGD \*\*\* HOUS TEMP. DIFF. BETWEEN SAMPLE \*\*\* \*\*\*\* ( 15) \*\*\*\* INTAKE AND DISCHARG MEASUREMENT 0 61576 1 0 0 PERMIT \*\*\*\* \*\*\*\* \*\*\* \*\*\*\* \*\*\*\* 32 EFFLUENT GROSS VALUEREQUIREMENT \*\*\* DAILY MX DEG.F UOUS 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 TELEPHONE DATE AR FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON G.S. GODDARD 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 13 PLANT MANAGER 10 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 6 years.) SIGNATURE OF PRINCIPAL EXECUTIVE TYPED OR PRINTED OFFICER OR AUTHORIZED AGENT 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 MEN FO

R BORON AND SODIUM NITRATE REPORTING REQUIREMENTS. ATTACH ALL RELATED REPORTS TO THIS FORM.

NET SHALL BE MAINTAINED AT THE THERMAL END OF DISCHARGE CANAL AT ALL TIMES. EPA Form 3320-1 (08-95) Previous editions may be used. IREPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location of Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Form Approved. DISCHARGE MONITORING REPORT (DMR) BOSTON ED #1 PILGRIM PLANT THERMAL BACKWASH OMB No. 2040-0004 12-161 Approval proves 05-31-98 ADDRESS ROCKY HILL ROAD MA0003557 002 1 (SUBR S) RFD #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH MA 02360 \*\*\* NO DISCHARGE ! FROM 98 09 UI 98 09 30 ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING QUANTITY OR CONCENTRATION (4 Card Only) PARAMETER NO. FREQUENCY SAMPLE (46-53) (54-61) (38-45) (46-53) (54-61) OF (32-37) EX TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (62-63) (64-68) (69-70) TEMPERATURE, WATER SAMPLE \*\*\*\* \*\*\*\*\* \*\*\*\* \*\*\*\* ( 15) 107.6 MEASUREMENT DEG. FAHRENHEIT OF 00011 1 0 0 PERMIT \*\*\*\* \*\*\*\* \*\*\*\* 120 \*\*\*\* REQUIREMENT EFFLUENT GROSS VALU \*\*\* DAILY MX DEG. F UOUS. FLOW, IN CONDUIT OR SAMPLE \*\*\*\* ( 03) \*\*\*\* \*\*\*\* \*\*\*\* 18.6 THRU TREATMENT PLANTMEASUREMENT MGD 50050 1 0 PERMIT 0 \*\*\*\* \*\*\* \*\*\*\*\* \*\*\*\* \*\*\* **amen** EFFLUENT GROSS VALUEREQUIREMENT DATLY MY MGD \*\*\* DISCHR SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND TELEPHONE DATE AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON C.S. GODDARD 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 10 13 THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 SIGNATURE OF PRINCIPAL EXECUTIVE U.S.C. § 1319. (Penaltius under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years. OFFICER OR AUTHORIZED AGENT NUMBER YEAR MO DAY COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference ell attachments hera) THE PH SHALL NOT VARY MORE THAN 0.5 STANDARD UNITS FROM THAT OF THE INTAKE WATER. FLOW RATE IS TO BE ESTI

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EPA Form 3320-1 (08-95) Previous editions may be used.

PAGE

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(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(17-19)

12-161

Form Approved.

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INTAKE SCREEN

00383/980114-1421

PAGE

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

EPA Form 3320-1 (08-95) Previous editions may be used.

BOSTON ED #1 PILGRIM PLANT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Form Approved. DISCHARGE MONITORING REPORT (DMR) BOSTON ED #1 PILGRIM PLANT OMB No. 2040-0004 YARD DRAINS 12-161 Approval express 5-31-98 ADDRESS ROCKY HILL ROAD MA0003557 004 A (SUBR S ) RFD #1 PERMIT NUMBER F - FINAL DISCHARGE NUMBER PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH MA 02360 \*\*\* NO DISCHARGE 1\_1 09 FROM ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) QUANTITY OR LOADING QUANTITY OR CONCENTRATION (3 Cord Only) 14 Card Only) FREQUENCY NO. PARAMETER SAMPLE (46-53) (54-61) (38-45) (46-53) 154-611 OF EX (32-37) TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (62-63) (69-70) (64-68) SOLIDS, TOTAL SAMPLE \*\*\*\* \*\*\* \*\*\*\* 19 MEASUREMENT SUSPENDED 00530 1 0 30 100 0 会会会会会会 食物物物物 整食物的 PERMIT \*\*\*\* EFFLUENT GROSS VALUEREQUIREMENT \*\*\* NO AVG DATLY MX MG/L \*\*\*\*\* OIL AND GREASE \*\*\*\*\* \*\*\*\* (19 SAMPLE 1.6 FREON EXTR-GRAY METHMEASUREMENT MGU 00556 1 0 \*\*\*\* \*\*\*\*\* \*\*\* \*\*\*\* REPORT PERMIT EFFLUENT GROSS VALUEREQUIREMENT \*\*\* DATLY MX MG/L ANNUAL SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

C.S. GODDARD PLANT MANAGER TYPED OR PRINTED I CERTIFY UNDER PENALTY OF LAW YHAT 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, ACCUPATE 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. (Panatios under these 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

SOS 830-\$100 98 10 13

AREA NUMBER YEAR MO DAY

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

PERMIT REQUIREMENT

PERMITTEE NAME/ADDRESS (Include Facility Name/Location of Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) Form Approved. DISCHARGE MONITORING REPORT IDMRI ROSTON FO #1 PTICRTM PLANT YARD DRAINS OMB No. 2040-0004. (2-16) 117-191 ADDRESS ROCKY HILL ROAD MA0003557 Approval express 5-31-98 005 4 (SUAR S) RFD #1 PERMIT NUMBER DISCHARGE NUMBER F - FTNAL PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PL YMOLITH MA 02360 FROM 09 98 U3 \*\*\* NO DISCHARGE ! ! TO ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING QUANTITY OR CONCENTRATION 14 Card Only) PARAMETER FREQUENCY NO. SAMPLE 146-531 154-611 (38-45) (46-53) (54-61) OF 132-371 EX TYPE ANALYSIS AVERAGE RALIBALY ARA LINITS BAIRSIRALIBA AVERAGE MAXIMUM UNITS 162-635 164-681 169-701 SOLIDS, TOTAL \*\*\*\*\* SAMPLE \*\*\*\* \*\*\*\*\* 13.5 MEASUREMENT SUSPENDED 00530 1 \*\*\*\* PERMIT \*\*\*\* \*\*\*\*\* 30 100 EFFLUENT GROSS VALUEREQUIREMENT \*\*\* NO AVE DAILY MX MG/1 ANNERA DTI AND CREASE \*\*\*\*\* \*\*\*\* \*\*\*\*\* SAMPLE ( 19) 3.2 FREON FXTR-GRAV METIMEASUREMENT 00556 0 0 \*\*\*\* \*\*\*\*\* PERMIT \*\*\*\* REPORT 15 EFFLUENT GROSS VALUEREQUIREMENT \*\*\* DAILY MX MG/L ANNITEL SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND TELEPHONE DATE AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN: AND BASED ON C.S. GODDARD MY INQUIRY OF THOSE INPIVIDUALS 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 PLANT MANAGER 98 13 10 THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 SIGNATURE OF P ... PAL EXECUTIVE U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 TYPED OR PRINTED and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT NUMBER YEAR MO DAY COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) BOSTON ED #1 PILGRIM PLANT Form Approved. YARD DRAINS ADDRESS ROCKY HILL ROAD OMB No. 2040-0004 MA0003557 (SUBR S) 006 A pprovel express 5-31-98 RFD #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR FACILITY PILGRIM NUCLEAR POWER STATION MONITORING PERIOD LOCATION PLYMOUTH YEAR MO DAY YEAR MO DAY MA 02360 FROM U9 UI TO \*\*\* NO DISCHARGE ATTN: C.S GODDARD, PLANT MANAGER (20-21) (22-23) (24-25) NOTE: Read instructions before completing this form. (26-27) (28-29) (30-31) 3 Card Only) QUANTITY OR LOADING PARAMETER QUANTITY OR CONCENTRATION (3 Card Onty) (46-53) FREQUENCY 154-611 NO. (32-37) (38-45) SAMPLE 146-531 154-611 OF AVERAGE EX MAXIMUM TYPE UNITS MINIMUM AVERAGE ANALYSIE MAXIMUM UNITS SOLIDS, TOTAL 162-635 (64-68) 169-701 SAMPLE \*\*\*\* \*\*\* 贵食会会会 ( 19 SUSPENDED 5.3 MEASUREMENT 00530 1 0 0 PERMIT MG-16 \*\*\*\* \*\*\*\* \*\*\*\* 30 100 EFFLUENT GROSS VALUEREQUIREMENT \*\*\* NO AVE DAILY MX MG/L OIL AND GREASE SAMPLE \*\*\*\* \*\*\* \*\*\*\* ( 19) FREON EXTR-GRAY MET MEASUREMENT 2.7 00556 1 0 0 MG/L FRANT \*\*\*\* \*\*\* \*\*\* REPORT 15 EFFLUENT GROSS VALUEREQUILEMENT \*\*\* DAILY MX MG/L ANNUAL 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 INQURY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR TELEPHONE C.S. GODDARDD DATE 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 PLANT MANAGER THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 98 U.S.C. § 1319. (Ponaldes under these statutes may include fines up to \$10,000 13 SIGNATURE OF PRINCIPAL EXECUTIVE TYPED OR PRINTED and or maximum imprisonment of between 6 months and 6 years.) OFFICER OR AUTHORIZED AGENT COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference stl attachments here) NUMBER YEAR MO DAY

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

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

BOSTON ED #1 PILGRIM PLANT

Form Approved.

OMB No. 2040-0004

YARD DRAINS

ADDRESS ROCKY HILL ROAD Approval express 05-31-98 MA0003557 008 A (SUBR S ) RED #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR MONITORING PERICO FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH \*\*\* NO DISCHARGE MA 02360 109 UT TO ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Cerd Only) QUANTITY OR LOADING 14 Card Only) QUANTITY OR CONCENTRATION NO. FREQUENCY PARAMETER SAMPLE (46-53) (54-61) (38-45) (48-53) 154-611 OF (32-37) EX TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (63-63) (54-68) 169-701 FLOW, IN CONDUIT OR ( 03) SAMPLE \*\*\*\* \*\*\*\* \*\*\*\*\* THRU TREATMENT PLANTMEASUREMENT 50050 0 0-73 1 PERMIT 0-73 \*\*\*\* 女女女女女女 \*\*\*\* 444 ESTIM EFFLUENT GROSS VALUEREQUIREMENT MO AVG DATLY MX MGD \*\*\* SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND TELEPHONE DATE AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR C.S. GODDARD 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 (0 THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 SIGNATURE OF PRINCIPAL EXECUTIVE U.S.C. § 1318. (Penalties under these statutes may include fines up to \$10,000 NUMBER and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT YEAR MO DAY COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(17-19)

12-161

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

BOSTON ED #1 PILGRIM PLANT

Form Approved.

SEA FOAM SUPRESS DOWN NO ED COMORGE

RFD #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH MA 02360 FROM 78 09 98 30 \*\*\* NO DISCHARGE TO 09 ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING QUANTITY OR CONCENTRATION 14 Card Only) PARAMETER FREQUENCY NO. SAMPLE 146-531 (54-61) (38-45) (46-53) 154-611 (32-37) EX TYPE ANALYSIS AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS (62-63) (64-68) (69-70) OXIDANTS, TOTAL SAMPLE \*\*\*\* \*\*\*\* \*\*\*\* ( 19 MEASUREMENT RESIDUAL 01/0 MG 34044 1 0 0 PERMIT \*\*\*\* \*\*\*\* 0-5 \*\*\* 1-0 RCORD EFFLUENT GROSS VALUEREQUIREMENT \*\*\* MO AVG MG/L DAILY MX UOUS FLOW, IN CONDUIT OR SAMPLE ( 03) \*\*\* \*\*\*\* \*\*\*\* THRU TREATMENT PLANTMEASUREMENT MGT 50050 0 19-4 1 0 PERMIT \*\*\*\*\* 金金金金金金 \*\*\*\* EFFLUENT GROSS VALUEREQUIREMENT MO AVG MED \*\*\* uous SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND TELEPHONE DATE AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR C.S. GODDARD OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE PLANT MANAGER SIGNIFICANT PENALTIES FOR BUBMITTING FALSE INFORMATION, INCLUDING 10 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 SIGNATURE OF PRINCIPAL EXECUTIVE TYPED OR PRINTED and or meximum imprisonment of between 6 months and E years.) OFFICER OR AUTHORIZED AGENT NUMBER YEAR MO DAY COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) CONTINOUS CHLOP NATION OF SERVICE WATER SYSTEM MAY BE USED FOR MACROINVERTEBRATE CONTROL. FLOW RATE SHAL ROM PUMP CAPACITY CURVES AND OPERATIONAL HOURS.

(REPLACEG EPA FORM T-40 WHICH MAY NOT BE USED.)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(17-19)

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(2-16)

MA0003557

Form Approved.

Approval paping 05-31-98

PLANT SERVICE COGENTERS 204070024

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PAGE

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

EPA Form 3320-1 (08-95) Previous editions may be used.

ADDRESS ROCKY HILL ROAD

BOSTON ED #1 PILGRIM PLANT

NAME

RFD #1 PERMIT NUMBER DISCHARGE NUMBER F - FINAL PLYMOUTH MA 02360 MAJOR MONITORING PERIOD FACILITY PILGRIM NUCLEAR POWER STATION YEAR MO DAY YEAR MO DAY LOCATION PLYMOUTH MA 02360 \*\*\* NO DISCHARGE ! ! \*\*\* FROM US ATTN: C.S GODDARD, PLANT MANAGER NOTE: Read instructions before completing this form. (20-21) (22-23) (24-25) (26-27) (28-29) (30-31) (3 Card Only) QUANTITY OR LOADING 14 Card Onlyl QUANTITY OR CONCENTRATION PARAMETER FREQUENCY NO. SAMPLE (46-53) (54-61) (38-45) 146-531 (54-61) OF (32-37) EX TYPE ANALYSIS AVERAGE MAXIMUM LIMITS MINIMUM AVERAGE MAXIMUM UNITS 162-631 (64-68) 169-701 SOLIDS, TOTAL SAMPLE \*\*\*\* 专业业业业业 \*\*\*\*\* ( 19 BI MEASUREMENT SUSPENDED 00530 1 MG 0 PERMIT \*\*\*\*\* \*\*\*\* 30 金金金金金金 100 ONCE! EFFLUENT GROSS VALUERZQUIREMENT \*\*\*\* MO AVE DAILY MX MG/L BATCH FLOW, IN CONDUIT OR SAMPLE ( 03) \*\*\*\* 0.0003 0.0003 THRU TREATMENT PLANTMEASUREMENT MGD 50050 1 0 0 0-015 0-06 PERMIT \*\*\*\* \*\*\*\* \*\*\*\* EFFLUENT GROSS VALUEREQUIREMENT MO AVE DATLY: MX MGD DISCHR \*\*\* SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND TELEPHONE DATE AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON C.S.GODDARD MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE IN TORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE 40 COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING PLANT MANAGER THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. \$ 1001 AND 33 SIGNATURE OF PRINCIPAL EXECUTIVE U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 TYPED OR PRINTED AREA and or maximum imprisonment of between 6 months and 5 years.) OFFICER OR AUTHORIZED AGENT 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 REQUIERMENTS. ATTACH ALL RELATED REPORTS TO THIS FORM

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

(2-16)

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MA0003557

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

ADDRESS ROCKY HILL ROAD

BOSTON ED #1 PILGRIM PLANT

Form Approved.

Approval express()5-31-98

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(SURR S)