



Entergy Nuclear Generation Company  
Pilgrim Nuclear Power Station  
600 Rocky Hill Road  
Plymouth, MA 02360

J. F. Alexander  
Director  
Nuclear Assessment

February 17, 2000  
ENGCLtr. 5.00.006

Water Technical Unit (SEW)  
U.S. Environmental Protection Agency  
P.O. Box 8127  
Boston, MA 02114-8127

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

Discharge Monitoring Report

Dear Sirs:

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

The period covered by this report is January 2000.

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

Sincerely,



J.F. Alexander

RDA/vc

Attachments: 1. Summary  
2. Discharge Monitoring Report

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

Senior NRC Resident Inspector  
Pilgrim Nuclear Power Station

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

IE25

ATTACHMENT 1 TO ENGC LETTER 5.00.006

SUMMARY

PILGRIM I DISCHARGE MONITORING REPORT

In accordance with the Federal Clean Water Act, as amended (33USC 1251 et seq: the "CWA"), and the Massachusetts Clean Water Act, as amended (M.G.L.; Chap. 21, 26-53), regarding effluent limitations, monitoring requirements and other conditions set forth in the Pilgrim NPDES permit (Federal Permit Number MA0003557, and State Permit Number 359), Parts I and II, the following information is submitted for the period January 2000.

I. Discharge Points Covered in this Report

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

II. Summary and Notes of Discharge Report

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

- E. Intake traveling water screens were operated with dechlorination pumps on in January.
- F. No sawdust was applied to seek and seal PNPS condenser leaks in January 2000.
- G. Boron and sodium nitrite discharges (ppm) occurred in January 2000 from discharge point #001.

<u>Date Discharged</u>	<u>Gallons Discharged</u>	<u>Concentration Before Discharge</u>	<u>Concentration Discharged</u>
Boron			
1/20/00	7348	60.0	0.0774
Sodium Nitrite			
1/20/00	7348	61.7	0.0796

- H. As endorsed previously, the PNPS Plant Manager (presently W. J. DiCroce) is designated as the authorized agent to sign PNPS Discharge Monitoring Report (DMR) Forms for Boston Edison Company.

ATTACHMENT 2 to ENGC LETTER 5.00.006  
DISCHARGE MONITORING REPORT

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

NAME **ENTERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

MA0003557 PERMIT NUMBER  
 001 1 DISCHARGE NUMBER

MAJOR (SUBR S)  
 F - FINAL  
 CONDENSER COOLING WATER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31
(20-21)		(22-23)		(24-25)	
				(26-27)	
				(28-29)	
				(30-31)	

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	*****	*****	*****	*****	*****	*****	73.0	(15)	0	99/99 RC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	102	OF		CONTINUOUS
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0	*****	*****	*****	*****	*****	*****	0.04	(19)	0	WH/DX GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1	MG/L		WHEN GRAB DISCH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	*****	446.4	446.4	(03) MGD	*****	*****	NO AVG	DAILY MX	0	99/99 ES
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	447.0	510.0	DAILY MX MGD	*****	*****	*****	****		CONTINUOUS
TEMP. DIFF. BETWEEN INTAKE AND DISCHARGE 61576 1 0 0	*****	*****	*****	*****	*****	*****	27.3	(15)	0	99/99 CA
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	32	OF		CONTINUOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 W.J. Dicroce  
 PLANT MANAGER  
 TYPED OR PRINTED

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER: 508 830-8100  
 DATE: 00 02 16  
 AREA CODE: 508

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 66N 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 (08-95) Previous editions may be used. (REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED.)

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

NAME **ENERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

MA0003557 PERMIT NUMBER  
 0021 DISCHARGE NUMBER

MAJOR (SUBR S)  
 F - FINAL  
 THERMAL BACKWASH

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31


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

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****			(15) OF	0	99/99	RC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	120				CONTINUOUS	RECORDED
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	C	(03)	*****	*****	*****			0	W/DS	ES
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	255.0	MGD	*****	*****	*****	****			WHEN ESTIMATED	DISCH
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**W. J. DiCroce**  
**PLANT MANAGER**  
 TYPED OR PRINTED

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

  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **508-830-8100**  
 DATE **00 02 16**  
 AREA CODE NUMBER YEAR MO DAY

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

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

NAME **ENTERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

**MA0003557**  
 PERMIT NUMBER

**003 A**  
 DISCHARGE NUMBER

MAJOR  
 (SUBR 5)  
 F - FINAL  
 INTAKE SCREEN WASH

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31


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

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 1 EFFLUENT GROSS VALUE	1.42	3.17	( 03) MGD	*****	*****	*****	*****	0	01/01	ES	
	PERMIT REQUIREMENT	4.1 NO AVG	4.1 DAILY MX MGD	*****	*****	*****	*****		DAILY	ESTIMA	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**W. J. DiCroce**  
**PLANT MANAGER**  
 TYPED OR PRINTED

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

  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **508-830-8100** DATE **00 02 16**  
 AREA CODE NUMBER YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if Different))  
 NAME **ENTERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

**MA0003557**  
 PERMIT NUMBER

**008 A**  
 DISCHARGE NUMBER

MAJOR (SUBR 5)  
 F - FINAL  
 SEA FOAM SUPPRESSION DISCHARGE

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31
(20-21)		(22-23)	(24-25)	(26-27) (28-29) (30-31)	

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	C	C	(03)	*****	*****	*****	*****	0	01/01	ES	
	PERMIT REQUIREMENT	0.73 MO AVG	0.73 DAILY MX	MGD	*****	*****	*****	****		DAILY ESTIMA	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**W. J. DICROCE**  
**PLANT MANAGER**  
 TYPED OR PRINTED

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

*[Signature]*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **508-830-8100**  
 DATE **00 02 16**  
 AREA CODE NUMBER YEAR MO DAY

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



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

NAME **ENTERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

**MA0003557**  
 PERMIT NUMBER

**010 A**  
 DISCHARGE NUMBER

MAJOR (SUBR S )  
 F - FINAL  
 PLANT SERVICE COOLING WATER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31

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

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.07	0.26	(19)	0	02/01	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0	MG/L		CONTINUOUS	RECORD
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	7.6	*****	(03)	*****	*****	*****		0	9999	ES
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	19.4	*****	MGD	*****	*****	*****	****		CONTINUOUS	ESTIMATE
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>W. J. DiCroce</b> <b>PLANT MANAGER</b>	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.)	TELEPHONE <b>508-838-8100</b>	DATE		
			AREA CODE	NUMBER	YEAR
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 				

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

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)  
 NAME **ENTERGY NUCLEAR GENERATION CO**  
 ADDRESS **PILGRIM NUCLEAR POWER STATION**  
**600 ROCKY HILL ROAD**  
**PLYMOUTH MA 02360**  
 FACILITY **PILGRIM NUCLEAR POWER STATION**  
 LOCATION **PLYMOUTH MA 02360**  
 ATTN: **WILLIAM J. DICROCE**

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

**MA0003557** PERMIT NUMBER  
**011 A** DISCHARGE NUMBER

MAJOR (SUBR S)  
 F - FINAL  
 MAKE UP WATER AND DEMINERALIZE

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
00	01	01	00	01	31


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

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

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	26.8	26.8	( 19)	0	01/BA	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		ONCE/	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.00024	6.00024	( 03)	*****	*****	*****		0	WK/DS	ES
50050 1 0 0	PERMIT REQUIREMENT	0.015	0.06	MGD	*****	*****	*****	****		WHEN	ESTIMA
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MO AVG	DAILY MX	MGD				****		DISCH	
	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  
**W.J. DiCroce**  
**PLANT MANAGER**  
 TYPED OR PRINTED

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
  
 TELEPHONE: **508-830-8100**  
 DATE: **00 02 16**

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