



BOSTON EDISON
25 Braintree Hill Office Park
Braintree, Massachusetts 02184

E. J. Wagner
Vice President
Nuclear Engineering

July 16, 1992
BECO 5.92-086

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

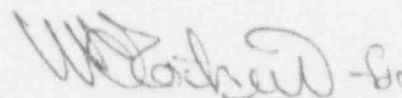
Massachusetts Division of Water Pollution Control
Lakeville Hospital
Lakeville, MA 02346

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 June 1992.


E. J. Wagner

RDA/cab/6438

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

9207220183 920630
PDR ADOCK 05000293
R PDR

IFAS
11

ATTACHMENT 1 TO BECO LETTER 5.92-086

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 June 1992.

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 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 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 SL 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 (BECO Letter 5.92.005). No additional inputs to these stormwater outfalls occur downstream of the composite samplers' sampling locations.
- E. Intake traveling water screens were operated without dechlorination pumps operating on June 9 (2 times) because of a blown fuse. The fuse was replaced and the pumps have been operating consistently.
- F. Sawdust was applied to seek and seal PNPS condenser leaks on June 16 (60 pounds), 19 (90 pounds), 24 (90 pounds) and 27 (50 pounds).
- G. The following boron and sodium nitrite discharges (ppm) occurred in June 1992 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			
6/12/92	12,024	<0.05	<0.001
6/21/92	13,360	<0.05	<0.001
Sodium Nitrite			
6/12/92	12,024	<20.0	<0.026
6/21/92	13,360	85.0	0.111

- H. The following measurements were made in June 1992 for stormwater yard drain Discharge Points 006 and 007.

<u>Drain #</u>	<u>Date</u>	<u>Suspended Solids (mg/l)</u>	<u>Oil & Grease (mg/l)</u>	<u>pH(SU)</u>
006	6/6/92	13.4	<1.0	6.5
007	6/6/92	29.5	45.3	6.7

NOTE: Because of insufficient rainfall flow in Drains #006 and #007, or blockage of the sampler in Drain #007 these samples were unable to be collected in April and May. The high oil and grease measurement at Drain #007 is currently being investigated as to its cause.

- I. By telecon on June 19, 1992 the U.S.EPA was informed of overflow of the PNPS septic system into an intake storm drain (Point Discharge #007). A maximum of 500 gallons of septic system effluent entered this storm drain with a pH of 7.2, suspended solids of 22 ppm, no detectable nitrites, and no isotopic activity. Investigation of the storm drain discharge area in the intake embayment revealed no signs of environmental impacts (BECO Telecon 4.92.015).
- J. Approximately 40 cubic yards of sand were removed from the concrete surfaces of the intake structure from June 3-5, 1992. 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 1, Paragraph A.1.o. of the NPDES Permit.

ATTACHMENT 2 TO BECO LETTER 5.92-086

DISCHARGE MONITORING REPORT

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)
 (12-16) (17-19)
MA0003557 (PERMIT NUMBER)
001 1 (DISCHARGE NUMBER)
MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 92 06 03 TO 92 06 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR Form Approved.
 (SUBR 5) OMB No. 2040-0004.
 F - FINAL Approval expires 6-30-91.
CONDENSER COOLING WATER

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

ATTN: E.S. KRAFT, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	*****	88.8	(15) OF	0	99/99	RC
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	902 DLY MAX	DEG.F			CONTINUOUS
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	0.02	0.04	(19) MG/L	0	WH/DS	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	0.1 MTH AVG	0.1 DLY MAX	MG/L			WHEN CRAB DISCR
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	445.9	446.4	(03) MGD	*****	*****	*****	()	0	99/99	ES
	PERMIT REQUIREMENT	447.0 MTH AVG	510.0 DLY MAX	MGD	*****	*****	*****	****			CONTINUOUS
TEMP. DIFF. BETWEEN INTAKE AND DISCHARGE 61576 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	*****	31.7	(15) OF	0	99/99	CA
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	32 DLY MAX	DEG.F			CONTINUOUS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
E.S. KRAFT
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 3 years.

W. Stuyvesant
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 509 747-8100 92 7 8
 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

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) NA0003557 PERMIT NUMBER
 (17-19) 002 1 DISCHARGE NUMBER

MAJOR Form Approved (SUBR 5) OMB No. 2040-0004
 F - FINAL Approval expires 6-30-91
 THERMAL BACKWASH

MONITORING PERIOD
 FROM YEAR 92 MO 06 DAY 01 TO YEAR 92 MO 08 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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

ATTN: E.S. KRAFT, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	DATE 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)	0	9/99	RC
EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	DEG.F			CONTINUOUS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	16.3	(03)	*****	*****	*****	()	0	WH/DS	ES
	PERMIT REQUIREMENT	*****	295 LB DAILY MAX	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
E.S. KRAFT
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.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
[Signature]

TELEPHONE NUMBER 508 747-8100
 DATE YEAR 92 MO 7 DAY 8

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 TH

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

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

MA0003557
 PERMIT NUMBER

003 A
 DISCHARGE NUMBER

MAJOR Form Approved.
 (SUBR S OMB No. 2040-0004.
 F - FINAL Approval expires 6-30-91.
 INTAKE SCREEN WASH

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 92 06 01 TO 92 08 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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

ATTN: E.S. KRAFT, PLANT MANAGER

PARAMETER (33-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSES (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW IN CONDUIT OR THRU TREATMENT PLAN 50050 1 0 0 EFFLUENT GROSS VALUE		0.65	2.02	(03) MGD	*****	*****	*****	()	0 01/01	ES
	PERMIT REQUIREMENT			MGD						
	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
E.S. KRAFT
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 a maximum imprisonment of between 6 months and 5 years.)

W. Kelly M. Esch
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 508 747-8100
 DATE
 92 7 8
 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
 SUFFICIENTLY DISTANT FROM INTAKE STRUCTURES TO PREVENT REIMPINGEMENT.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
MASS BOSTON ED #1 PILGRIM PLANT
ADDRESS ROCKY HILL ROAD
RFD #5
PLYMOUTH MA 02360
 FACILITY
 LOCATION

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

MA0003557
 PERMIT NUMBER

010 A
 DISCHARGE NUMBER

MAJOR Form Approved
 (SUBR S) OMB No. 2040-0004
 F - FINAL Approval expires 6-30-91.
 PLANT SERVICE COOLING WATER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
92 06 01 TO 92 06 30
 (26-27) (28-29) (30-31) (26-27) (28-29) (30-31)

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

ATTN: **E.S. KRAFT, PLANT MANAGER**

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (34-51)			NO. IX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0	SAMPLE MEASUREMENT	*****	*****	()	*****	6.19	0.46	(19)	0 99/99	RC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	1.0	MG/L		CONTINUOUS
FLOW, IN CONDUIT OR THRU TREATMENT PLAN 50050 1 0 0	SAMPLE MEASUREMENT	10.5	*****	(03)	*****	*****	*****	()	0 99/99	ES
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	10.5	*****	MGD	*****	*****	*****	****		CONTINUOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
E.S. KRAFT
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 22 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.

W. J. ...
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
508 747-8100 92 7 8
 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 ROCKET HILL ROAD
 BFD #1
 PLYMOUTH MA 02360
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
MA0003557 (PERMIT NUMBER)
011 A (DISCHARGE NUMBER)
MONITORING PERIOD
 FROM YEAR 92 MO 06 DAY 01 TO YEAR 92 MO 06 DAY 30
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR Form Approved.
 (SUBR S) OMB No. 2040-0004.
 F - FINAL Approval expires 6-30-91.
MAKE UP WATER AND DENITRIFY
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

ATTN: E.S. KRAFT, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(J Card Only) QUANTITY OR LOADING (46-53)			(I Card Only) QUALITY & CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	()	*****	1.6	2.8	(19)	0	01/BA	BR	
PERMIT REQUIREMENT	*****	*****	****	*****	50	100	MG/L				
FLOW, IN CONDUIT OR THRU TREATMENT PLAN 50050 1 0 0 EFFLUENT GROSS VALUE	0.0004	0.0005	(03)	*****	*****	*****	()	0	WH/DS	ES	
PERMIT REQUIREMENT	0.015	0.06	MGD	*****	*****	*****	****				
PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	****				
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
E.S. KRAFT
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 3 years.

E.S. Kraft
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 508 747-8100
 DATE: 92 7 8
 AREA CODE NUMBER YEAR MO DAY

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