



BOSTON EDISON

25 Braintree Hill Office Park
Braintree, Massachusetts 02184

E. J. Wagner
Vice President
Nuclear Engineering

November 18, 1992
BECO 5.92.149

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

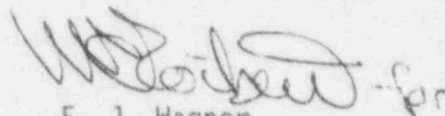
Massachusetts Division of Water Pollution Control
Lakeville Hospital
Lakeville, MA 02346

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 October 1992.


E. J. Wagner

RDA/clc/dmr

Attachments: 1. Summary
2. Discharge Monitoring Report

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

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

Senior NRC Resident Inspector
Pilgrim Nuclear Power Station

230020
9211240192 921031
PDR ADOCK 05000293
R PDR

IEAS
11

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 October 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 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 (USEPA letter to BECo dated 1/7/92). No additional inputs to these stormwater outfalls occur downstream of the composite samplers' sampling locations.
- E. Intake traveling water screens were operated with dechlorinated pumps operating at all times.
- F. Sawdust was applied to seek and seal PNPS condenser leaks on October 3(150 pounds), 4(60 pounds), 10(90 pounds) and 24(90 pounds).
- G. The following boron and sodium nitrite discharges (ppm) occurred in October 1992 from discharge point #001. All discharges were below NPDES Permit limits prior to entering Cape Cod Bay.

<u>Date</u> <u>Discharged</u>	<u>Gallons</u> <u>Discharged</u>	<u>Concentration</u> <u>Before Discharge</u>	<u>Concentration</u> <u>Discharged</u>
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Boron

10/9/92	9,519	<1.0	<0.0013
10/20/92	10,354	<1.0	<0.0013
10/30/92	12,358	<1.0	<0.0013

Sodium Nitrite

10/9/92	9,519	<1.5	<0.002
10/20/92	10,354	<1.5	<0.002
10/30/92	12,358	<1.5	<0.002

- H. Pilgrim Station Marine Ecology Semi-Annual Report No. 40 was sent to the USEPA (Region I) and Mass. Division of Water Pollution Control (DWPC) on October 22, 1992 as required by the NPDES Permit #MA0003557 (BECo Letter 5.92.137).

ATTACHMENT 2 TO BECo LETTER 5.92.149

DISCHARGE MONITORING REPORT

Facility Name/Location if different)
NAME BOSTON TO #1 PILGRIM PLANT
ADDRESS ROCKY HILL ROAD
REF #1
PLYMOUTH MA 02360
FACILITY
LOCATION

DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
MA0003557
PERMIT NUMBER
001 1
DISCHARGE NUMBER

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

MONITORING PERIOD
FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 31
(12-01) (12-23) (12-25) (12-27) (12-29) (12-31)

*** NO DISCHARGE 1-1 ***
NOTE: Read instructions before completing this form.

ATTN: E.S. KRAFT, PLANT 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 (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	*****	86.3	(15)	0	99/99 RC
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	102 DLY MAX	OF DEG.F		CONTINUOUS
OXIDANTS, TOTAL RESIDUAL 34044 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	0.04	0.06	(15) MG/L	0	WH/DS GR
	PERMIT REQUIREMENT	*****	*****	****	*****	0.1 MNTH AVG	0.1 DLY MAX	MG/L		WHEN GRAB DISCHG
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50030 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	399.7	446.4	(03) MGD	*****	*****	*****	()	0	99/99 E
	PERMIT REQUIREMENT	447.0 MNTH AVG	510.0 DLY MAX	MGD	*****	*****	*****	****		CONTINUOUS
TEMP. DIFF. BETWEEN INTAKE AND DISCHARGE 61576 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	*****	28.9	(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 \$111,000 and/or maximum imprisonment of between 6 months and 5 years.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT E.S. Kraft, Jr.	TELEPHONE 508-747-8160	DATE 92 11 11
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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 SHALL BE MAINTAINED AT THE THERMAL END OF DISCHARGE CANAL AT ALL TIMES.

EPA Form 500-1 (Rev. 6-90) Previous editions may be used.

(REPLACES EPA FORM 1-66 WHICH IS NOT BE USED.)

00362/911231-1539

PAGE 1 OF 1

FAIRBANKS, ALASKA
 ADDRESS: ROCKY HILL ROAD
 REF: #1
 PLYMOUTH MA 02360

PERMIT NUMBER
 MA0003557

DISCHARGE NUMBER
 002 1

MAJOR FIRM Approved
 (SUBR 5 XOMB No. 2040)
 F - FINAL Approval expir.
 THERMAL BACKWASH

MONITORING PERIOD
 YEAR MO DAY
 92 10 01
 YEAR MO DAY
 92 10 31

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

PARAMETER (32-37)	AVG. AGE (45-53)	QUANTITY OR LOADING (54-57)	MAXIMUM (54-57)	UNITS ()	MINIMUM (58-61)	AVERAGE (64-67)	MAXIMUM (64-67)	UNITS ()	NO. OF ANALYSIS (68-71)	SAMPLE TYPE (72-75)
TEMPERATURE, WATER DEG. FAHRENHEIT	*****	*****	*****	()	*****	*****	109.0	(15) of	0 99/99 RC	CONTINUOUS
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	120 DLY MAX	DEG-F	0 00/00 ES	WHEN ESTIMATED
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	*****	*****	(03) MGD	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
50030 1 0 0	*****	*****	*****	DAILY MAX	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0 00/00 ES	WHEN ESTIMATED

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 E.S. KRAFT
 PLANT MANAGER

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE OF THE INFORMATION SUBMITTED, I BELIEVE THE 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 or maximum imprisonment of between 5 months and 5 years.)

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

TELEPHONE
 508 747-8100

DATE
 92 11 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference to 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

NAME BOSTON RD #1 PULPIT PLANT
ADDRESS ROCKY HILL ROAD
AFD #1
PLYMOUTH MA 02360
FACILITY
LOCATION

(2-16)		(17-19)									
MA0003557		003 A									
PERMIT NUMBER		DISCHARGE NUMBER									
MONITORING PERIOD											
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY				
	92	10	01		92	10	31				
(20-21)		(22-23)		(24-25)		(26-27)		(28-29)		(30-31)	

MAJOR Form Approved
EPA SUBR 5 DOMB No. 2040-0004
F - FINAL Approval expires 6-30-91.
INTAKE SCREEN WASH

*** NO DISCHARGE 1-1 ***

NOTE: Read instructions before completing this form.

ATTN: E.S. KRAFT, PLANT MANAGER

PARAMETER (32-37)	SAMPLE MEASUREMENT	(1 Card Only) QUANTITY - 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		0.540	2.02	(03) MGD	*****	*****	*****	()	0	01/01	ES
500SD 1 0 0	PERMIT REQUIREMENT	2.1	2.1	MGD	*****	*****	*****	****			DAILY ESTIMATE
EFFLUENT GROSS VALUE		MONTH AVG	DLY MAX	MGD							
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	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 5 months and 5 years.)	TELEPHONE	DATE			
E.S. KRAFT PLANT MANAGER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	508 747-8100	92	11	11
TYPED OR PRINTED		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.
AN ADEQUATE FLOW OF WATER SHALL BE MAINTAINED TO PREVENT REIMPINGEMENT.

NAME BOSTON RD #1 PILGRIM PLANT
ADDRESS ROCKY HILL ROAD
REF #1
PLYMOUTH MA 02360
FACILITY
LOCATION

(12-16)
MA0003557
PERMIT NUMBER

(17-19)
010 A
DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 3
(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.
PLANT SERVICE COOLING WATER

*** NO DISCHARGE 1-1 ***
NOTE: Read instructions before completing this form.

ATTN: C.S. KRAFT, PLANT MANAGER

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (34-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
OXIDANTS, TOTAL RESIDUAL 54-44 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	0.14	0.44	(19)	0	99/99 RC
	PERMIT REQUIREMENT	*****	*****	****	*****	0.5 MNTH AVG	1.0 DLV MAX	MG/L		CONTINUOUS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50-50 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	8.6	*****	(03)	*****	*****	*****	()	0	99/99 ES
	PERMIT REQUIREMENT	19.4 MNTH AVG	*****	MGD	*****	*****	*****	****		CONTINUOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

E.S. KRAFT
PLANT MANAGER
TY-ED 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 KNOWLEDGE 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
E.S. Kraft

TELEPHONE
508 747-8100
DATE
92 11 11
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 CO #1 PILGRIM PLANT
ADDRESS ROCKY HILL ROAD
CITY PLYMOUTH STATE MA ZIP 02360
FACILITY
LOCATION

MA0003557

PERMIT NUMBER

011 A

DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 92 MO 10 DAY 01 TO YEAR 92 MO 10 DAY 31
(10-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR Form Approved.
(SUSR 5 XOMB No. 2046-0004.
F - FINAL Approval expires 6-30-91.
MAKE UP WATER AND DEMINERALIZE

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

ATTN: E.S. KRAFT, PLANT 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 (46-53)	MAXIMUM (54-55)	UNITS (56-57)	MINIMUM (58-59)	AVERAGE (60-61)	MAXIMUM (62-63)	UNITS (64-65)			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	()	*****	12.4	33.2	(19)	0	01/BA	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		ONCE/	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.00036	0.00041	(03)	*****	*****	*****	()	0	WH/ES	ES
	PERMIT REQUIREMENT	0.012	0.06	MGD	*****	*****	*****	****		WHEN	ESTIMA
		NNTH AVG	DLT MAX	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

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

DATE

508 747-8100
AREA
CODE NUMBER

92 11 11
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