

PLG-0119



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE

file
cc Rob S
Fredrick

ARGEO PAUL CELLUCCI
Governor

JANE SWIFT
Lieutenant Governor

BOB DURAND
Secretary

EDWARD E. KUNCE
Acting Commissioner

COPY

April 26, 1999

Ms. Mary Gatslik
Senior Waste Control Specialist
Boston Edison Company
600 Rocky Hill Road
Plymouth, Massachusetts 02360

RE: PLYMOUTH--Groundwater
Discharge Permit, SE #2-389,
Pilgrim Power Station
Wastewater Treatment
Facility,
Transmittal No. W001643

Dear Ms. Gatslik:

In response to your application for a permit to discharge into the ground a treated effluent from a wastewater treatment facility located at Pilgrim Power Station, Rocky Hill Road, Plymouth, Massachusetts, and after due public notice, I hereby issue the attached final permit.

There were no comments regarding the issuance or terms of the permit during the public comment period. Therefore, in accordance with 314 CMR 2.08, the permit becomes effective upon issuance.

Parties aggrieved by the issuance of this permit are hereby advised of their right to request an Adjudicatory Hearing under the provisions of Chapter 30A of the Massachusetts General Laws and 314 CMR 1.00, Rules for the Conduct of Adjudicatory Proceedings. Unless the person requesting the adjudicatory hearing requests and is granted a stay of the terms and conditions of the permit, the permit shall remain fully effective.

If you have any questions regarding this matter, please contact Richard Rondeau of my staff at (508) 946-2816.

Very truly yours,

Lawrence S. Dayian
Lawrence S. Dayian, Chief
South Coastal Watershed

D/RR/bh

I. SPECIAL CONDITIONS

A. Effluent Limits

The permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics shall not exceed the following values:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>
Flow, gallons per day	37,500 daily average
Biochemical Oxygen Demand, 5-day @20c	30.0 mg/l
Total Suspended Solids	30.0 mg/l
Chloride	250.0 mg/l
Oils & Grease	15.0 mg/l
Total Dissolved Solids	1000.0 mg/l

- (a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time.
- (b) The discharge of the effluent shall not result in any demonstrable adverse effect on the ground water or violate any water quality standard that has been promulgated.
- (c) The monthly average concentration of BOD and total suspended solids in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and total suspended solids in the influent into the permittee's wastewater treatment facilities.
- (d) When the effluent discharged for a period of 90 consecutive days exceeds 80 percent of the permitted flow limitations; the permittee shall submit to the permitting authorities projected loadings and a program for maintaining satisfactory treatment levels consistent with approved water quality management plans.



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If you have any questions regarding this matter, please contact Richard Rondeau of my staff at (508) 946-2816.

Very truly yours,

Lawrence S. Dayian
Lawrence S. Dayian, Chief
South Coastal Watershed

D/RR/bh

DISCHARGE PERMIT

Name and Address of Applicant: Boston Edison Company, Pilgrim Station
Wastewater Treatment Facility, 600 Rocky Hill Road, Plymouth,
Massachusetts 02360

Date of Application: April 8, 1998

Permit No.: 42-389

Date of Issuance: April 20, 1999

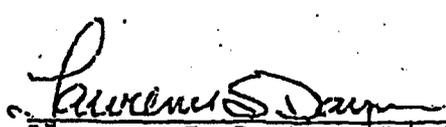
Date of Expiration: April 20, 2004

AUTHORITY FOR ISSUANCE

Pursuant to authority granted by Chapter 21, Sections 26-33 of the Massachusetts General Laws, as amended, the following permit hereby issued to:

Boston Edison Company

(hereinafter called "the permittee"), authorizing discharges from the on-site wastewater treatment facility located at Pilgrim Power Station, Rocky Hill Road, Plymouth, Massachusetts to the ground such authorization being expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth.


Lawrence S. Dayian, Chief
South Coastal Watershed

4/24/99
Date

I. SPECIAL CONDITIONSA. Effluent Limits

The permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics shall not exceed the following values:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>
Flow, gallons per day	37,500 daily average
Biochemical Oxygen Demand, 5-day @20c	30.0 mg/l
Total Suspended Solids	30.0 mg/l
Chloride	250.0 mg/l
Oils & Grease	15.0 mg/l
Total Dissolved Solids	1000.0 mg/l

- (a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time.
- (b) The discharge of the effluent shall not result in any demonstrable adverse effect on the ground water or violate any water quality standard that has been promulgated.
- (c) The monthly average concentration of BOD and total suspended solids in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and total suspended solids in the influent into the permittee's wastewater treatment facilities.
- (d) When the effluent discharged for a period of 90 consecutive days exceeds 80 percent of the permitted flow limitations, the permittee shall submit to the permitting authorities projected loadings and a program for maintaining satisfactory treatment levels consistent with approved water quality management plans.

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B. Monitoring and Reporting

- (1) The permittee shall monitor and record the quality of the influent waste stream to the facility according to the following schedule and other provisions:

<u>Parameter</u>	<u>Minimum Frequency of Analysis</u>	<u>Sample Type</u>
Flow	Continuous	Average
BOD ₅	Monthly	24-Hour Composite
Total Suspended Solids	Monthly	24-Hour Composite
Oil and Grease	Quarterly	Grab
Chloride	Monthly	Grab
Total Dissolved Solids	Monthly	24-Hour Composite
Volatile Organic Compounds*	2 x Annually	Grab

* (USEPA METHOD #624)

- (2) The permittee shall monitor and record the quality and quantity of effluent, at the point of discharge to the leaching area, according to the following schedule and other provisions:

<u>Parameter</u>	<u>Minimum Frequency of Analysis</u>	<u>Sample Type</u>
Flow	Continuous Reading	Daily Average
pH	Daily	Grab
BOD ₅	Monthly	24-Hour Composite
Total Suspended Solids	Monthly	24-Hour Composite
Total Dissolved Solids	Monthly	24-Hour Composite
Oil & Grease	Quarterly	Grab
Chloride	Monthly	Grab
Volatile Organic Compounds*	Semi-annually	Grab

* (USEPA METHOD #624)

- (3) The permittee shall monitor, record and report the quality of water in the three (3) existing monitoring wells according to the following schedule and other provisions:

<u>Parameter</u>	<u>Frequency of Analysis</u>
Static Water Level	2 X annually
Specific Conductance	2 X annually
pH	2 X annually
Ammonia-Nitrogen	2 X annually
Nitrate-Nitrogen	2 X annually
Total Nitrogen (NO ₂ + NO ₃ + TKN)	2 X annually
Total Dissolved Solids	2 X annually
Total Volatile Organic Compounds*	2 X annually

* (USEPA Method #624)

- (4) Any grab sample or composite sample required to be taken less frequently than daily shall be taken during the period of Monday through Friday inclusive. Grab samples shall be taken between 8:00 a.m. and 6:00 p.m. All samples shall be taken over the operating day.
- (5) The permittee shall submit all reports on an acceptable form, properly filed and signed, on the last day of every month, beginning thirty days after the issuance of this permit, to the Department of Environmental Protection, SERO, 20 Riverside Drive, Lakeville, MA 02347, and to the Department of Environmental Protection, Wastewater Management, One Winter Street, Boston, MA 02108, and to the Board of Health, Town Hall, 11 Lincoln Street, Plymouth, MA 02360.

C. Supplemental Conditions

The permittee shall notify the Department at least thirty (30) days in advance of the transfer of ownership of the facility for which this permit is written. Said notification shall include a written agreement between the existing and new permittees containing a specific date of transfer of permit, responsibility, coverage and liability between them.

This permit is an action of the Department. Any person aggrieved by this action, you may request an adjudicatory hearing. A hearing request must be made in writing and postmarked within thirty (30) days of the date this permit was issued. Under 310 CMR 1.01(6), the request must state clearly and concisely the facts which are grounds for the request, and the relief sought. The hearing request along with a valid check payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00), must be mailed to:

Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver as described below. The filing fee is not required if the appellant is a city or town (or municipal agency), county or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.

This information is available in alternative format upon request to Bette Stewart, ADA Coordinator, BAS/HR, 4th Floor, One Winter Street, Boston, MA 0210