



Charles E. Bayless
Financial Vice President

Public Service of New Hampshire

August 26, 1985

50-443
50-444

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Nuclear Regulatory Commission
Bethesda, Maryland 20314

Dear Mr. Denton:

Public Service Company of New Hampshire wishes to participate in the issuance of pollution control revenue bonds in order to help finance certain facilities which are in furtherance of abating or controlling atmospheric pollutants or contaminants or water pollution or are for the disposal of sewage or solid waste.

In order to meet I.R.S. requirements of such tax-exempt pollution control revenue bonds, Public Service Company of New Hampshire respectfully requests that the commission issue an "In-furtherance" certificate of which a draft copy is attached.

Thank you for your assistance in this matter.

Very truly yours,

C. E. Bayless
Financial Vice President

CEB:th
Attachments

8509030080 850826
PDR ADOCK 05000443
A PDR

Y002
1/1

CERTIFICATE
SEABROOK STATION

POLLUTION CONTROL FACILITIES

The Nuclear Regulatory Commission (the NRC) hereby certifies as follows:

(a) That it has examined Exhibit A attached hereto which is entitled "General Description of the Facilities" and which describes certain facilities which have been constructed, and are under construction or are to be constructed at the Seabrook Station, a nuclear electric power generating plant located in Seabrook, New Hampshire, undivided interests in which plant are owned principally by Public Service Company of New Hampshire, The United Illuminating Company, Massachusetts Municipal Wholesale Electric Company, New England Power Company, Central Maine Power Company, and The Connecticut Light and Power Company.

(b) That such facilities, as designed, are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollution or disposing of sewage or solid waste resulting from the operation of The Seabrook Station.

Dated at Bethesda, Maryland
This _____ day of _____

For the Nuclear Regulatory Commission

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

EXHIBIT A
GENERAL DESCRIPTION OF THE FACILITIES

The facilities consist of the following systems at the plant and include related and subordinate equipment, structure controls, monitors, instrumentation and facilities:

Waste Water Run-Off System The waste water runoff system collects, treats and discharges non-radioactive yard runoff. The system includes drains, pipes, a settling pond and a discharge structure.

Chemical and Oily Waste System The Chemical and Oily Waste System collects and treats non-radioactive chemical and oily waste prior to discharge or offsite disposal. The system includes drains, sumps, tanks, pipes, treatment lagoons and oil/water separators.

Sanitary Waste System The sanitary waste system collects, treats and discharges sanitary waste. The system includes sanitary drains, sumps, tanks, pump stations and a sanitary treatment plant.

Radioactive Gaseous Waste System The radioactive gaseous waste system collects, processes, treats and stores potentially radioactive gases during normal operation. The principal source of the waste gas is from the reactor coolant system. Radioactive waste gases are processed by filtration and decay. The system includes moisture separators, iodine guard beds, dryers, and chiller units, compressors, carbon delay beds, filters, surge tanks, vents and piping. Portions of the system are located in the Waste Processing Building and the Auxiliary Building.

Exhaust Filtration System The exhaust filtration system collects, filters and discharges exhaust air containing low level radioactive contamination during normal operation. The system includes exhaust filters, fans and ducts. Portions of the system are located in the Waste Processing Building and the Auxiliary Building.

Liquid Radwaste System The liquid radwaste system collects, processes, treats, stores, recycles and discharges low level radioactively contaminated waste liquids during normal operation. The liquid radwaste system collects floor and equipment drainage, spent resins, sludges and evaporator bottoms. The system collects and treats liquid wastes using filters, demineralizers, evaporators, drains, pipes and tanks. This system is located in the Waste Processing Building.

Boron Recycle System The boron recycle system collects, treats, processes, stores, recycles and discharges reactor coolant letdown during normal plant operation. The system processes letdown using degasifiers, demineralizers, filters, heat exchangers, pipes and tanks. Portions of the system are located in the waste Processing Building and the Auxiliary Building.

Steam Generator Blowdown Treatment System The steam generator blowdown treatment system collects, treats, recycles and discharges steam generators blowdown during normal plant operation. Steam generator blowdown is processed using evaporators, demineralizers, pH adjustment, pipes and tanks. Portions of the system are located in the Waste Processing Building.

Solid Radwaste System The solid radwaste system collects, processes and stores low level radioactive solid waste prior to shipment offsite. Dry active waste is collected and compacted into storage containers. Wet solid wastes such as spent resins and evaporator concentrates are held in storage tanks prior to being transferred to a contractor supplied solidification facility. Portions of the system are located in the Waste Processing Building.

Spent Fuel Storage System The spent fuel storage system stores spent nuclear fuel and fuel assemblies. The spent fuel storage system includes a spent fuel storage pool, spent fuel cask decontamination equipment, fuel handling equipment and fuel pool cooling equipment. The spent fuel storage system is located in the Fuel Building.

Circulating Water System The circulating water system treats and controls thermal pollution by offshore dilution and dispersion of heated cooling water discharge. The circulating water system includes an offshore intake, intake tunnel, transition structures, discharge tunnel and diffuser.