

STATE OF NEW YORK  
BOARD ON  
ELECTRIC GENERATION SITING AND THE ENVIRONMENT

DOCKET NO. 50-549

NOTICE OF APPLICATION, PROPOSED ACTION AND PUBLIC HEARING

CASE 80006 - GREENE COUNTY NUCLEAR POWER PLANT

APPLICATION FOR PERMIT TO DISCHARGE  
WASTE WATER

Facility No. NY 010 5601

Town of Catskill, Greene County



Date: February 9, 1979

NOTICE under Section 17-0823 of the New York State Environmental Conservation Law is hereby given that the Power Authority of the State of New York, 10 Columbus Circle, New York, New York 10019 has filed with the New York State Board on Electric Generation Siting and the Environment (the Board) an application for a discharge permit and a request for verification of the best available intake technology. This application is made under Sections 402 and 316(b) of the Federal Clean Water Act (the Act), for discharges resulting from the construction and operation of its proposed Greene County Nuclear Power Plant. The proposed station is to be located in the Town of Catskill, Greene County, on the west shore of the Hudson River, 5 miles south of Catskill, New York.

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The applicant's proposed facility would be an electric generating station having one unit, with a net power output of 1191 megawatts-electric. The facility will utilize a pressurized water reactor (PWR) nuclear steam supply system. The application requests approval of six (6) discharges resulting from the construction, and two (2) discharges resulting from the operation of the facility. These discharges are further described as follows:

Discharge 001 includes condenser cooling water (cooling tower blowdown); neutralized demineralizer regeneration wastes, auxiliary boiler blowdown, and drainage from certain chemical storage areas; radioactive waste treatment system effluent (this system treats reactor plant drainage, boron recovery and fuel pool system effluents, condensate polisher regeneration waste and decontamination drain system effluent); and operational sanitary waste treatment effluent. These effluents would be combined in a single stream and discharged to the Hudson River through the blowdown diffuser facility located in the Hudson River at a distance of 137 feet from the shoreline at a depth of 40 feet.

Discharge 002 routed through a sediment detention basin includes excavation dewatering, return water from the dredged spoil disposal operations, non-reactor plant floor drain system and oil storage and transformer area drainage, construction runoff from the plant area, concrete batch plant wastewater, and oil contaminated runoff from construction activities. This discharge also includes neutralized drainage from certain chemical storage areas, demineralizer regeneration

wastes, auxiliary boiler blowdown and sanitary waste effluent prior to the operation of the cooling tower blowdown system, and during certain operational periods when the blowdown system is not functioning.

Discharges 003 through 008 include construction rainfall runoff sedimentation basin effluents. These discharges would be to the Hudson River through an unnamed tributary of the River (H-181).

The Hudson River is classified "A" under the New York Water Quality Stream Classification system, Article 17, Title 3 of the Environmental Conservation Law, Chapter 664, Laws of New York 1972, and is subject to the water quality standards and criteria set forth in Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York, Parts 700-704. Surface waters tributary to the Hudson River for the plant area are classified "D" under the aforementioned statutes and codes, rules and regulations.

The Board has been delegated authority to issue discharge permits and to make determinations concerning best intake technology for new major steam electric generating stations. This delegation by the United States Environmental Protection Agency, (USEPA) is in accordance with Sections 402 and 316(b) of the Act.

The proposed discharges are subject to Sections 306 and 307 of the Act and to effluent guidelines and standards promulgated pursuant to these sections as contained in 40 CFR Part 423, October 8, 1974, titled "Steam Electric Power Generation Point Source Category."

NOTICE is hereby given that it has been recommended to the Board by the staffs of the Departments of Environmental Conservation and Public Service (the staffs) that a discharge permit be issued for plant construction and operating discharges. It has also been recommended by the staffs that the requests pursuant to Section 316(b) of the Act for approval of the proposed intake design and capacity of the closed-cycle cooling system (a cooling tower) be granted.

The above recommendations are the tentative determinations of the staffs of the Departments of Environmental Conservation and Public Service. A recommended decision will be issued by the Presiding and Associate Examiners after their consideration of the following:

- a) the application and all supporting information filed by the applicant in the joint proceedings of Case 80006, under Article VIII of the Public Service Law of New York State, and Docket No. 50-549 of the Nuclear Regulatory Commission;

- b) evidence and documents in Case 80006 prepared by the staffs of the Departments of Public Service and Environmental Conservation, including the proposed discharge permit setting forth specific effluent limitations and other controls applicable to the discharges, including monitoring and reporting requirements and schedules of compliance; and
- c) the record of the public hearings and all written comments filed pursuant to this notice.

The Board will issue its final determination after consideration of the Examiners' recommended decision and the record in this proceeding.

NOTICE is hereby given that public hearings will be held in the above matter before Presiding Examiner Edward D. Cohen of the Department of Public Service and Associate Examiner Donald F. Carson of the Department of Environmental Conservation on or after April 2, 1979 at the offices of the Public Service Commission, Agency Building 3, Governor Nelson A. Rockefeller Empire State Plaza, Albany, New York 12223. The location, date, and time of the hearing is subject to change. All parties to the proceeding, and any other persons responding to this notice, will receive any subsequent notice should a change in location or postponement become necessary.

The purposes of the hearing will be (1) to receive testimony concerning the discharge permit, including the tentative determinations, the fact sheet, and the draft permit; (2) to cross-examine this testimony; and (3) to receive comments on the tentative determinations and draft permit from interested persons who desire to submit such comments orally or file them in writing at that time. Comments in writing from interested persons may also be submitted to the undersigned, Samuel R. Madison, Empire State Plaza, Agency Building 3, Albany, New York 12223 at any time prior to the close of business March 12, 1979. Members of the staffs of the Departments of Public Service and Environmental Conservation will be available at the hearing to discuss their recommendations with members of the public.

USEPA, in delegating permit issuing authority to the Board, reserved the right to a thirty (30) day period within which to comment on or object to portions of the draft permit. USEPA has the privilege to extend its comment period to ninety (90) days. Should USEPA submit substantive comments or objections upon which staffs determine to file additional testimony, further hearings will be held to receive and cross-examine such testimony. The time, date, and location of any such hearings will be specified in a subsequent notice.

Those persons who are, or shall become, parties to the discharge permit proceedings may cross-examine the staff witnesses concerning their testimony and recommendations.

Parties to the discharge permit proceedings shall include:

- (1) the present parties in the joint proceedings before the Board and the Nuclear Regulatory Commission;
- (2) any municipality or resident of such municipality located within five (5) miles of the primary site in Cementon, New York (or the alternate site at Athens, New York) which files a notice of intent to become a party with the undersigned prior to March 12, 1979;
- (3) any municipality located more than five (5) miles from a primary (or alternate) site or any resident of such municipality filing a notice of intent to become a party with the undersigned prior to March 12, 1979, and whom the Presiding Examiner finds to have an interest in the proceeding because of potential environmental or economic effects on such municipality or resident; and

- (4) any person who shall file a written request to become a party with the undersigned prior to March 12, 1979, and whom the Presiding Examiner finds to have an interest in the proceeding.

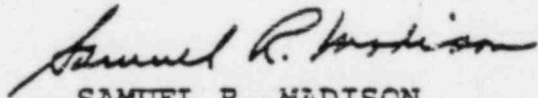
The notice of intent to become a party should contain the name, address and telephone number of the person requesting party status, and the name, address, and telephone number of his attorney or other representative, if any, upon whom service of any document should be made. In addition, any person requesting party status under paragraphs (3) and (4) above should include in his notice of intent to become a party a statement setting forth the basis for his interest in the proceeding.

A copy of the discharge permit application, draft permit, fact sheet (which describes the discharges in greater detail), tentative determinations by staffs of the Departments of Environmental Conservation and Public Service, and prepared written direct testimony of the staffs may be obtained by writing Staff Counsel Nancy Spiegel, New York State Public Service Commission, Governor Nelson A. Rockefeller Empire State Plaza, Agency Building 3, Albany, New York 12223, or by calling her at (518) 474-5597. Also, these materials are available



for inspection at the offices of the Department of Environmental Conservation, 50 Wolf Road, Albany, New York 12233; the offices of the Department of Public Service, Nelson A. Rockefeller Empire State Plaza, Agency Building 3, Albany, New York 12223; Columbia-Greene Community College Library, Hudson, New York 12534; and the Catskill Public Library, Franklin Street, Catskill, New York 12414.

Any person seeking information concerning the recommendations of the staffs may call Bruce G. Goodale, of the Department of Public Service at (518) 474-5364, or Thomas E. Quinn of the Department of Environmental Conservation at (518) 457-6939, Monday through Friday during normal business hours.



SAMUEL R. MADISON  
Secretary  
New York State Board on  
Electric Generation  
Siting and the Environment  
Empire State Plaza  
Agency Building 3  
Albany, New York 12223

Dated: February 9, 1979  
Albany, New York

U.S. NUCLEAR REGULATORY COMMISSION  
DOCKETING & SERVICE SECTION  
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OF THE COMMISSION

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