

TE HQ FILE COPY
EPL-81-02 RESPONSE
PDR
LPA
NSCC
NTIS

POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE New York, N. Y. 10019

(212) 397-6200

GEORGE T. BERRY
PRESIDENT & CHIEF
OPERATING OFFICER

JOHN W. BOSTON
EXECUTIVE VICE
PRESIDENT & DIRECTOR
OF POWER OPERATIONS

JOSEPH R. SCHMIEDER
EXECUTIVE VICE
PRESIDENT & CHIEF
ENGINEER

LEROY W. SINCLAIR
SENIOR VICE PRESIDENT
& CHIEF FINANCIAL
OFFICER

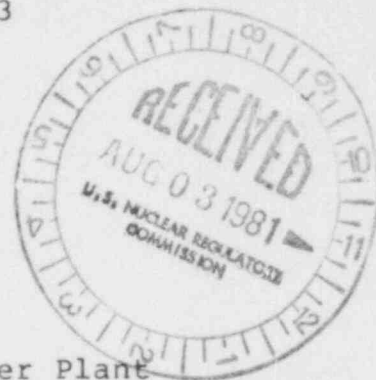
THOMAS R. FREY
SENIOR VICE PRESIDENT
& GENERAL COUNSEL

TRUSTEES
JOHN S. DYSON
CHAIRMAN
GEORGE L. INGALLS
VICE CHAIRMAN
RICHARD M. FLYNN
ROBERT I. MILLONZI
FREDERICK R. CLARK



July 24, 1981
JPN-81-53

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pa.



Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Prompt Notification and Instruction to the
Public in the Event of an Emergency

Reference: NRC letter B. H. Grier to R. J. Pasternak
dated July 1, 1981

Dear Sir:

The purpose of this letter is to inform you in response to the reference letter, that the installation of an early warning system for prompt notification of the public in case of an emergency has not been completed. The system is scheduled for completion and verification testing by the end of October 1981. Installation of this system is being handled formally by the Niagara Mohawk Power Corporation and the Authority. Provisions for operation and maintenance have also been arranged with Oswego County and the State of New York.

This effort was initiated late November 1980 at which time the Notification System Designer was contracted. Subsequently, engineering studies to select the optimum system required several months for completion. Attached is a list of milestone dates which shows the steps taken to purchase the equipment required and the anticipated schedule for completion. As indicated below, the system which is being installed is very complex and the coordination amongst the various organizations (utilities, county, consultants) consumed much time and added to the tardiness of the effort.

8108070236 810724
PDR ADOCK 05000333
F PDR

Additionally, considerable effort has been dedicated to obtaining the necessary permits for installing the poles. Currently, delivery for the siren controls unit and the commercial alert receivers are expected late August 1981. Delivery of the residential tone alert receivers is expected mid-October 1981. Based on these delivery dates, installation of the entire system along with verification testing will be completed by the end of October 1981.

As requested in the referenced letter, provided below is a description of the early warning system.

Outdoor Warning Sirens

The prompt notification system described here utilizes outdoor warning sirens to alert the population within the 5-mile EPZ, in medium-to-high density areas, and in areas with substantial transient populations.

All inhabited areas within the 5-mile EPZ will be covered with sirens to assure that the alerting signal is received within 15 minutes. In addition, beach areas along Lake Ontario between the 5 and 10-mile EPZ will be also covered by sirens even though they did not qualify by the dwelling count criteria. These areas are likely to be occupied by many outdoor visitors and sportsmen at certain times of the year, and therefore, the effectiveness of tone alert receivers would be limited.

A total of 35 sirens will be utilized to satisfy the criteria of the selected alerting system plan. The siren system is comprised of 115 and 125 dB(c) Federal Signal Corporation Thunderbolt sirens.

The prompt notification system surrounding Nine Mile Point Nuclear Power Site is completely contained within Oswego County. The siren system will be radio controlled using and Oswego County Sheriff designated frequency.

Tone Alert Receivers

The low density populated area in the 10-mile EPZ which do not lie within the effective range of warning sirens will be alerted through the use of automatic tone alert radio receivers located in each residence and commercial building. For the most part, the areas to be covered by the tone alerts are in rural low density populated sections between the 5 and 10-mile EPZ.

Based upon the previous siren siting analysis, it is estimated that approximately 1500 dwellings within the 10-mile EPZ are not covered by warning sirens. This estimate is based upon a count of dwellings outside the circular coverage area of each siren.

Each private dwelling outside the siren coverage area will be supplied with a residential grade tone alert receiver. All commercial and institutional facilities will likewise be supplied with commercial grade receivers, although the number of such buildings in the siren coverage area is considered minimal. Certain public and commercial establishments - schools, hospitals, factories, etc. - both inside and outside the siren coverage areas, will be provided with commercial grade receivers to assure prompt notification of assembled groups of the population. Based upon these considerations, it is estimated that approximately 1500 residential grade and 100 commercial grade tone alert receivers will be required for this warning system design.

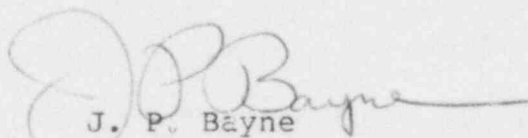
Emergency Broadcast System

The EBS is a network of radio and television stations designed to give information to the public in the event of an emergency. A new local Oswego County EBS plan is under development and will be available in the near future.

Until such time as the above system is in operation the Oswego County Radiological Emergency Plan Procedure for Law Enforcement and Fire/Rescue will be used to provide instruction to the public within the plum exposure EPZ. This procedure involves the use of currently installed Civil Defense and Fire Department sirens, in addition to mobil sirens with bullhorns to notify residents and other provisions included within the county plan.

Should you have any questions, please do not hesitate to contact this office.

Very truly yours,



J. P. Bayne
Senior Vice President
Nuclear Generation

Attachment of PASNY Letter dated July 24, 1981 (IPNJ-81-53)

PUBLIC NOTIFICATION SYSTEM MILESTONE DATES AND
ANTICIPATED SCHEDULE FOR COMPLETION
JAMES A. FITZPATRICK NPP

November 24, 1980	Notification System Designer
April 14, 1981	Utilities issue Bid Spec. for sirens & control
May 5, 1981	Bids received for sirens & control
May 28, 1981	Utilities order sirens
June 23, 1981	Siren delivery - sound equipment
July 2, 1981	Utilities order residential tone alert receivers
July 6, 1981	NiMo starts easement acquisition
July 7, 1981	Bid received for commercial tone alert receivers
July 20, 1981	Utilities order commercial tone alert
July 22, 1981	Utilities start siren installation
August 24, 1981 (anticipated)	Commercial tone alert delivery
September 1, 1981 (anticipated)	Utilities complete siren installation
September 15, 1981 (anticipated)	Commercial tone alert receiver installation complete
October 1, 1981 (anticipated)	Siren system test complete
October 15, 1981 (anticipated)	Residential tone alert receiver delivery
October 1981 (anticipated)	Residential tone alert receiver installation complete