

FEB 1 1979

Docket Nos. 50-354 ✓
and 50-355

Mr. R. L. Mittl
General Manager - Projects
Public Service Electric & Gas Company
80 Park Place, Room 816 MP
Newark, New Jersey 07101

Gentlemen:

SUBJECT: ISSUANCE OF AMENDMENT NO. 5 to CONSTRUCTION PERMITS FOR
HOPE CREEK

In accordance with the Atomic Safety and Licensing Appeal Board's Decision, dated January 12, 1979, the Nuclear Regulatory Commission hereby issues Amendment No. 5 to Construction Permit Nos. CPPR-120 and CPPR-121 for the Hope Creek Generating Station, Units 1 and 2. The Appeal Board has directed the addition of conditions designed to ensure that the Commission's staff will be promptly alerted should circumstances arise which suggest that either liquified natural gas traffic or a significant increase in liquified petroleum gas traffic will materialize or that other factors which govern the probability calculation will change. A copy of the Initial Decision has been forwarded to you separately. Enclosed is the related Federal Register Notice of Issuance.

Sincerely,

Original signed by:
Roger S. Boyd

Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 5 to CPPR-120
2. Amendment No. 5 to CPPR-121
3. Notice

ccs w/enclosures:
See next pages

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SURNAME >	JLob:ab	HRood <i>HR</i>	RLBaer <i>RB</i>	DBVassallo	DERoss	RSEoyd
DATE >	1/22/79	1/24/79	1/24/79	1/31/79	2/1/79	2/1/79

Mr. R. L. Mittl
General Manager - Projects
Public Service Electric & Gas Company
80 Park Place, Room 816 MP
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FEB 1 1979

cc: Fred Broadfoot, Esq.
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80 Park Place
Newark, New Jersey 07101

Mr. R. L. Mittl

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FEB 1 1973

cc: Mr. N. C. Vasuki, Director
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Bechtel Power Corporation
ATTN: Mr. J. Han, Project Engineer
50 Beale Street
P. O. Box 3965
San Francisco, California 94119

Edward Luton, Esq., Chairman
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Ernest E. Hill
Lawrence Livermore Laboratory
University of California
P. O. Box 808, L-123
Livermore, California 94550

Mr. R. L. Mittl

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cc: Dr. Oscar H. Paris
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Jerome E. Sharfman, Esq., Chairman
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Richard S. Salzman, Esq.
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. W. Reed Johnson
Atomic Safety and Licensing Appeal Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

State House Annex
ATTN: Deputy Attorney General
State of New Jersey
36 West State Street
Trenton, New Jersey 08625

Commissioner
Department of Public Utilities
State of New Jersey
101 Commerce Street
Newark, New Jersey 07102

Mayor
Lower Alloways Creek Township
Salem County, New Jersey 08079

U. S. Environmental Protection Agency
ATTN: EIS Coordinator
Region II Office
26 Federal Plaza
New York, New York 10007

PUBLIC SERVICE ELECTRIC & GAS COMPANY
AND
ATLANTIC CITY ELECTRIC COMPANY
HOPE CREEK GENERATING STATION,
UNIT 1

DOCKET NO. 50-354

AMENDMENT TO CONSTRUCTION PERMIT

Construction Permit No. CPPR-120
Amendment No. 5

Pursuant to a Decision by the Atomic Safety and Licensing Appeal Board dated January 12, 1979, the Nuclear Regulatory Commission hereby issues Amendment No. 5 to Construction Permit No. CPPR-120 by adding Paragraphs 3.E(22) through 3.E(25) of CPPR-120 as follows:

- (22) The applicants shall monitor all forms of liquified natural gas (LNG) and liquified petroleum gas (LPG) traffic on the Delaware River. They shall also monitor those activities along the waterway which might lead to significant traffic of that kind in the future. A yearly report of actual LNG and LPG traffic projections for future traffic shall be made to the Commission's staff. However, major changes in either actual or projected traffic, such as approval by the Federal Energy Regulatory Commission of the proposed West Deptford Terminal, shall be reported within 30 days.

- (23) The applicants shall monitor existing and planned construction of facilities in or along the Delaware River, within the 24 mile catchment distance and report yearly to the Commission's staff as to the existence or planned construction of additional rammable objects, mooring or docking sites, or any other facility that might cause a significant change in the probability of a flammable vapor cloud reaching the plant.

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- (24) At intervals of not more than two years, the applicants shall submit to the staff a summary of LNG and LPG shipping experience, similar to that contained in Kalelkar Supplemental Testimony, Appendix D. To the extent possible, the data collected should be related to the various pertinent probability factors and their effect on those factors should be indicated.

This review should include the results of pertinent experimental programs and the development of new or existing analytical methods which might similarly be related to those factors and the effect of their application on the probability factors considered in this case.

- (25) In the event that the monitoring programs disclose a change or changes that might have a significant adverse effect on the flammable vapor cloud probability, the applicants should prepare and submit to the Commission's staff an analysis of whether the 1×10^{-6} standard will be met. If it is not, the applicants should submit within three months a proposed method by which the changed circumstances will be countered to re-establish a sufficiently low probability factor. Copies of all reports and proposals submitted by the applicants to the staff under Paragraphs 3.E(22) through 3.E(25) shall be sent to the Office of the Public Advocate of the State of New Jersey.

This amendment is effective as of the date of issuance.

Original signed by:
Roger S. Boyd

Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Date of Issuance: February 1, 1979

Original signed by:
R. Blaker
1/29/79

OFFICE	DPM:LWR #2	DPM:LWR #2	DPM:LWR #2	DPM:LWR:AD	DPM:ADD	DPM
SURNAME	JLee:ab	HRood	RLBaer	DBVassallo	DFRoss	RSBoyd
DATE	1/22/79	1/24/79	1/24/79	1/31/79	1/1/79	2/1/79



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

PUBLIC SERVICE ELECTRIC & GAS COMPANY
AND
ATLANTIC CITY ELECTRIC COMPANY
HOPE CREEK GENERATING STATION,
UNIT 2

DOCKET NO. 50-355

AMENDMENT TO CONSTRUCTION PERMIT

Construction Permit No. CPPR-121
Amendment No. 5

Pursuant to a Decision by the Atomic Safety and Licensing Appeal Board dated January 12, 1979, the Nuclear Regulatory Commission hereby issues Amendment No. 5 to Construction Permit No. CPPR-121 by adding Paragraphs 3.E(22) through 3.E(25) of CPPR-121 as follows:

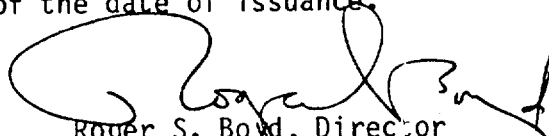
- (22) The applicants shall monitor all forms of liquified natural gas (LNG) and liquified petroleum gas (LPG) traffic on the Delaware River. They shall also monitor those activities along the waterway which might lead to significant traffic of that kind in the future. A yearly report of actual LNG and LPG traffic projections for future traffic shall be made to the Commission's staff. However, major changes in either actual or projected traffic, such as approval by the Federal Energy Regulatory Commission of the proposed West Deptford Terminal, shall be reported within 30 days.
- (23) The applicants shall monitor existing and planned construction of facilities in or along the Delaware River, within the 24 mile catchment distance and report yearly to the Commission's staff as to the existence or planned construction of additional rammable objects, mooring or docking sites, or any other facility that might cause a significant change in the probability of a flammable vapor cloud reaching the plant.

- (24) At intervals of not more than two years, the applicants shall submit to the staff a summary of LNG and LPG shipping experience, similar to that contained in Kalelkar Supplemental Testimony, Appendix D. To the extent possible, the data collected should be related to the various pertinent probability factors and their effect on those factors should be indicated.

This review should include the results of pertinent experimental programs and the development of new or existing analytical methods which might similarly be related to those factors and the effect of their application on the probability factors considered in this case.

- (25) In the event that the monitoring programs disclose a change or changes that might have a significant adverse effect on the flammable vapor cloud probability, the applicants should prepare and submit to the Commission's staff an analysis of whether the 1×10^{-6} standard will be met. If it is not, the applicants should submit within three months a proposed method by which the changed circumstances will be countered to re-establish a sufficiently low probability factor. Copies of all reports and proposals submitted by the applicants to the staff under Paragraphs 3.E(22) through 3.E(25) shall be sent to the Office of the Public Advocate of the State of New Jersey.

This amendment is effective as of the date of issuance.



Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Date of Issuance: February 1, 1979

PUBLIC SERVICE ELECTRIC & GAS COMPANY
AND
ATLANTIC CITY ELECTRIC COMPANY
HOPE CREEK GENERATING STATION, UNITS 1 AND 2
DOCKET NOS. 50-354 AND 50-355

NOTICE OF ISSUANCE OF AMENDMENT TO CONSTRUCTION PERMITS
AND AVAILABILITY OF DECISION

Notice is hereby given that pursuant to a Decision dated January 12, 1979, by the Atomic Safety and Licensing Appeal Board, the Nuclear Regulatory Commission has issued Amendment No. 5 to Construction Permit No. CPPR-120 and Amendment No. 5 to Construction Permit No. CPPR-121 issued to Public Service Electric and Gas Company and Atlantic City Electric Company for construction of the Hope Creek Generating Station, Units 1 and 2, located in Salem County, New Jersey. The Appeal Board's Decision directed the addition of conditions to the construction permits designed to ensure that the Commission's staff will be promptly alerted should circumstances arise which suggest that either liquified natural gas traffic or a significant increase in liquified petroleum gas traffic on the Delaware River will materialize or that other factors which govern the flammable vapor cloud probability calculation will change.

The Nuclear Regulatory Commission has found that the provisions of the amendments comply with the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations published in 10 CFR Chapter I and has concluded that the issuance of the amendments will not be inimical to the common defense and security or to the health and

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safety of the public.

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A copy of the Decision dated January 12, 1979, Amendment No. 5 to Construction Permit No. CPPR-120, Amendment No. 5 to Construction Permit No. CPPR-121, and other related documents are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the Salem Free Public Library, 112 West Broadway, Salem, New Jersey. Single copies of the Decision, Amendment No. 5 to CPPR-120, and Amendment No. 5 to CPPR-121 may be obtained by writing the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Project Management.

Dated at Bethesda, Maryland this 1st day of February, 1979.

FOR THE NUCLEAR REGULATORY COMMISSION

Robert L. Baer, Chief
Light Water Reactors
Branch No. 2
Division of Project Management

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DATE	1/22/79	1/24/79	1/29/79	1/24/79	

Distribution

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