

Docket Nos. 50-354
and 50-355

SEP 20 1978

Public Service Electric and Gas Company
ATTN: Mr. R. L. Mittl, General Manager
Licensing and Environment
80 Park Place
Newark, New Jersey 07101

DISTRIBUTION

Docket File
NRC PDR
Local PDR
DSE Reading
EP-1 Reading
R. Boyd, DPM
H. Denton, DSE
K. Kneil, LWR-2
IE (5)
OELD
DVassallo
JLee, LWR
MMlynczak
BRXIX
VAMoore

RBallard
JJackson
RKreutzer
Marie Slater
BJones (w/4encs)
ACRS (16)

SUBJECT: AMENDMENTS TO CONSTRUCTION PERMITS

Gentlemen:

The Commission has issued the enclosed Amendments No. 4 to Construction Permit Nos. CPPR-120 and CPPR-121 for the Hope Creek Generating Station. These amendments are in response to your request dated May 22, 1978, and authorize the change in sewage waste treatment technique as described in Section 4.6.1 of our Final Environmental Statement, issued in February 1974. The change involves the operation of an extended aeration sewage treatment plant in lieu of septic tanks and temporary septic field.

A copy of the Negative Declaration, the Federal Register Notice, and the Environmental Impact Appraisal are also enclosed.

Sincerely,

5/
Ronald L. Ballard, Chief
Environmental Projects Branch 1
Division of Site Safety
and Environmental Analysis

Enclosures:

1. Amendments to CPs
2. Negative Declaration
3. Federal Register Notice
4. Environ. Impact Appraisal

ccw/enc1: See next page

Const. 60

OFFICE ➤	DSE:EP-1	DSE:EP-1	OELD			
SURNAME ➤	JJackson:mh	RLBallard	JBlack			
DATE ➤	6/19/78	6/28/78	7/17/78			

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Nuclear Energy Council
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Bureau of State & Regional Planning
Department of Community Affairs
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Wilmington Metropolitan Area Planning
and Coordinating Council
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New Castle, Delaware 19720

Honorable David A. Fogg
Mayor, Lower Alloways Creek
Township
Salem, New Jersey 08079

Ms. Barbara Metzger
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26 Federal Plaza
New York, New York 10007

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NO. 50-355

HOPE CREEK GENERATING STATION, UNIT NO. 2

AMENDMENT TO CONSTRUCTION PERMIT

Amendment No. 1
Construction Permit No. CPPR-121

The Nuclear Regulatory Commission has issued Amendment No. 1 to Construction Permit No. CPPR-121. The amendment allows the permittee, Public Service Electric and Gas Company, to modify the sanitary waste treatment technique from that specified in paragraph 1 of Section 4.6.1 of the Final Environmental Statement. The remainder of Section 4.6.1 remains in effect.

This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

OFFICE	DSE:EP-1	DSE:EP	DPM:LWR	DPM:LWR	DPM	DPM
SURNAME	Jackson	V Moore	MMlynchzak	DVassallo	RDeYoung	RSBoyd
DATE	6/16/78	8/1/78	8/13/78	6/ /78	6/ /78	8/1/78

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NO. 50-354

HOPE CREEK GENERATING STATION, UNIT NO. 1

AMENDMENT TO CONSTRUCTION PERMIT

Amendment No. 4
Construction Permit No. CPPR-120

The Nuclear Regulatory Commission has issued Amendment No. 4 to Construction Permit No. CPPR-120. The amendment allows the permittee, Public Service to modify the sanitary waste treatment technique from that specified in paragraph 1 of Section 4.6.1 of the Final Environmental Statement. The remainder of Section 4.6.1 remains in effect. Taking into consideration the amendment authorized hereby, we reaffirm the findings previously made in connection with the issuance of this construction permit.

This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:
Roger S. Boyd

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

Date of Issuance:

SEP 20 1978

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RBlack *

For concurrences see previous yellow.*

OFFICE ➤	DSE:EP-1	DSE:EP	DPM:LWR	DPM:LWR	DPM	DPM
SURNAME ➤	*JJackson	*VAMoore	MMlynch	DVassallo	DeYoung	RSBoyd
DATE ➤	*RBattard		KKneff			

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NO. 50-354

HOPE CREEK GENERATING STATION, UNIT NO. 1

AMENDMENT TO CONSTRUCTION PERMIT

Amendment No. 1
Construction Permit No. CPPR-120

The Nuclear Regulatory Commission has issued Amendment No. 1 to Construction Permit No. CPPR-120. The amendment allows the permittee, Public Service to modify the sanitary waste treatment technique from that specified in paragraph 1 of Section 4.6.1 of the Final Environmental Statement. The remainder of Section 4.6.1 remains in effect.

This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

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6/19/78

OFFICE →	DSE:EP-1	DSE:EP	DPM:LWR	DPM:LWR	DPM	DPM
SURNAME →	J Jackson	V Moore	M Tynczak	D Vassallo	DeYoung	RS Boyd
DATE →	6/20/78	6/10/78	6/ /78	6/ /78	6/ /78	6/ /78

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NO. 50-355

HOPE CREEK GENERATING STATION, UNIT NO. 2

AMENDMENT TO CONSTRUCTION PERMIT

Amendment No. 4
Construction Permit No. CPPR-121

The Nuclear Regulatory Commission has issued Amendment No. 4 to Construction Permit No. CPPR-121. The amendment allows the permittee, Public Service to modify the sanitary waste treatment technique from that specified in paragraph 1 of Section 4.6.1 of the Final Environmental Statement. The remainder of Section 4.6.1 remains in effect. Taking into consideration the amendment authorized hereby, we reaffirm the findings previously made in connection with the issuance of this construction permit.

This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:
Roger S. Boyd

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

Date of Issuance:

SEP 20 1978

OELD

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RBlack
7/19/78

Received 9/18/78
*For concurrences see previous yellow.

OFFICE ➤	DSE:EP-1	DSE:EP	DPM:LWR	DPM:LWR	DPM	DPM
SURNAME ➤	*JJackson:mn	*VAMoore	MMlynchak	DVassallo	RDeYoung	RSBoyd
DATE ➤			9/30/78	9-18-78		9/19/78

NEGATIVE DECLARATION
SUPPORTING AMENDMENT RELATING TO THE REVISION OF
A CONSTRUCTION PERMIT REQUIREMENT
HOPE CREEK GENERATING STATION
UNIT NOS. 1 AND 2 (CPPR-120 AND CPPR-121)
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DOCKET NOS. 50-354 AND 50-355

The U. S. Nuclear Regulatory Commission (the Commission) has reviewed the proposed Amendment relating to the construction permits for the Hope Creek Generating Station, Unit Nos. 1 and 2 (CPPR-120 and CPPR-121), located in Salem County, New Jersey, issued to the Public Service Electric and Gas Company. The Amendment would authorize the use of an extended aeration sewage treatment system instead of septic tanks and a temporary septic field.

The Commission's Division of Site Safety and Environmental Analysis has prepared an environmental impact appraisal for the Amendment, and has concluded that an environmental impact statement for this particular action is not warranted. This conclusion is based on the fact that there will be no significant environmental impacts attributable to the proposed action, and any impacts that might occur will be less than those predicted and described in the Final Environmental Statement for the Hope Creek Generating Station, Unit Nos. 1 and 2, published in February 1974.

The environmental impact appraisal is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W.,

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Washington, D. C., and at the Salem Free Library, 112 West Broadway,
Salem, New Jersey. A copy may be obtained upon request addressed to
the U. S. Nuclear Regulatory Commission, Washington, D. C., 20555,
Attention: Director, Division of Site Safety and Environmental Analysis.

Dated at Bethesda, Maryland, this *20th* day of *September* 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

S/
Ronald L. Ballard, Chief
Environmental Projects Branch 1
Division of Site Safety and
Environmental Analysis

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SURNAME >	JD Jackson/1k	R BLACK	RL Ballard			
DATE >	6/19/78	8/17/78	6/28/78			

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-354 AND 50-355

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO CONSTRUCTION PERMITS

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendments No. 4 to Construction Permit Nos. CPPR-120 and CPPR-121, issued to the Public Service Electric and Gas Company for construction of the Hope Creek Generating Station, Unit Nos. 1 and 2, located at the permittee's site in Salem County, New Jersey.

The amendments authorize the use of an extended aeration sewage treatment system instead of septic tanks and a temporary septic field.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations. Prior public notice of the amendments is not required since the amendments do not involve a significant hazards consideration.

The Commission has prepared an environmental impact appraisal for the amendments to the construction permits, and has concluded that an environmental impact statement for this particular action is not warranted because there will be no significant environmental impacts attributable

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to the proposed action, and any impacts that might occur will be less than those predicted and described in the Final Environmental Statement for the Hope Creek Generating Station, Units 1 and 2, published in February 1974.

For further details with respect to this action, see: (1) the application for amendments dated May 22, 1978, (2) Amendments No. 4 to Construction Permits No. 1 and 2, and (3) the Commission's Environmental Impact Appraisal. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C., and in the Salem Free Library, 112 West Broadway, Salem, New Jersey. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Site Safety and Environmental Analysis.

Dated at Bethesda, Maryland, this *20th* day of *September* 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

S/
Ronald L. Ballard, Chief
Environmental Projects Branch No. 1
Division of Site Safety
and Environmental Analysis

OFFICE >	<i>ADSE:EP-1</i>	<i>ADSE:EP-1</i>	<i>OECLB</i>			
SURNAME >	<i>Jackson:mh</i>	<i>RLBallard</i>	<i>R. BLAKE</i>			
DATE >	<i>6/19/78</i>	<i>6/24/78</i>	<i>7/12/78</i>			

ENVIRONMENTAL IMPACT APPRAISAL

BY THE DIVISION OF SITE SAFETY AND ENVIRONMENTAL ANALYSIS

SUPPORTING AN AMENDMENT RELATING TO THE MODIFICATION OF

A CONSTRUCTION PERMIT REQUIREMENT

HOPE CREEK GENERATING STATION, UNIT NOS. 1 AND 2 (CPPR-120 AND CPPR-121)

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NOS. 50-354 AND 50-355

1. Description of Proposed Action

The action proposed is the issuance of an Amendment to the construction permits pertaining to the Hope Creek Generating Station (HCGS) Unit Nos. 1 and 2. The Amendment modifies a commitment and condition set forth in Paragraph 1 of Section 4.6.1 of the HCGS Final Environmental statement (FES) issued February 1974.

The permittee, Public Service Electric and Gas Company, requested the amendment by letter dated May 22, 1978. The request has to do with the change in treatment technique for construction-related sanitary wastes. The original technique (as outlined in Paragraph 1 of FES Section 4.6.1) called for the use of septic tanks and a temporary septic field for sanitary waste treatment. The permittee now wishes to upgrade this approach, and treat the sanitary wastes in an extended aeration sewage treatment plant, prior to discharge into the Delaware River. The NRC staff has reviewed the request and found that good cause has been shown for amending the construction permits.

2. Summary Description of the Probable Impacts of the Proposed Action

At the time of construction permit review, the permittee proposed and committed to collecting and treating construction-related sewage in septic tanks, and discharging the effluent into a temporary septic field. In the FES Section 4.6.2, the staff concluded that this procedure (among others listed in Section 4.6.1) was "...adequate to ensure that adverse environmental effects will be at the minimum practicable level."

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Subsequent to the issuance of the construction permits for HCGS, the permittee decided to upgrade the level of treatment for construction-related sewage. The sewage will now receive secondary level treatment in an extended aeration treatment plant, prior to discharge into the Delaware River.

The sewage treatment plant consists of two 8000 gallon per day capacity units and one 35,000 gallon per day capacity unit. Prior to discharge into the Delaware River, the treated effluents will be chlorinated for bacterial control. The permittee has stated in his revised environmental report that "(t)he sewage treatment plant will be built in accordance with federal, state, and local regulations and will be operated in compliance with the NPDES permit requirements." He further states that various New Jersey Department of Environmental Protection (NJDEP) and Delaware River Basin Commission (DRBC) limitations and regulations will be met with the new system.

The proposed treatment level and technique are identical to those proposed for the treatment of permanent (i.e., post-construction) sanitary wastes (see Section 3.6.1.2 of the FES). This system was also approved by staff, who concluded that the resulting discharge would "...meet the effluent quality requirements and the stream quality objectives specified in DRBC Administrative Manual-Part III, 'Basin Regulations - Water Quality'..." (FES, Section 5.3.9).

The expected environmental impacts resulting from the use of the proposed construction-related sanitary waste treatment system are acceptable to the staff. This conclusion is based on the improved level of waste treatment, the relatively low volumes and high quality of the discharge, the approval of the NJDEP and DRBC, and the prior staff review and approval of a similar system for the treatment of permanent (i.e., post-construction) sewage wastes. Staff further concludes that the environmental impacts are insignificant and less than those which would have occurred using the previously approved construction-related sewage treatment system.

3. Safety Consideration

We have determined that the requested amendment, pertaining to the treatment of construction-related sewage, does not involve any increase in the probability or consequences of accidents previously considered, or a decrease in any safety margin. Therefore, there is no significant hazards consideration. Further, there is reasonable assurance that the health and safety of the public will not be endangered by continued construction under the proposed amended construction permits. Thus, the conclusions as stated in the Safety Evaluation Report and its supplements are reaffirmed.

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4. Conclusion and Basis for Negative Declaration

On the basis of the foregoing analysis and the NRC staff evaluation, it is concluded that there will be no significant environmental impacts attributable to the proposed action. Furthermore, any impacts which do occur will be less than those predicted and described in the staff's FES issued in February 1974. Having made this conclusion, the Commission has further concluded that no environmental impact statement for the proposed action need be prepared, and that a negative declaration to this effect is appropriate.

Dated: SEP 20 1978

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SURNAME ➤	J Jackson:mh	RSamworth	RL Ballard	R. BLACK		
DATE ➤	6/19/78	6/19/78	6/28/78	7/12/78		

ROUTING AND TRANSMITTAL SLIP		ACTION
1 TO (Name, office symbol or location)	INITIALS	CIRCULATE
Vass A. Moore <i>[Signature]</i>	DATE	COORDINATION
2	INITIALS	FILE
Larry Chandler	DATE	INFORMATION
3	INITIALS	NOTE AND RETURN
EP-1	DATE	PER CONVERSATION
4	INITIALS	SEE ME
	DATE	SIGNATURE
REMARKS <p>Please review and concur where necessary, and then return to EP-1 for further routing through DPM.</p> <p style="text-align: center;"><i>[Signature: Jones, M.H.]</i></p> <p>Do NOT use this form as a RECORD of approvals, concurrences, disapprovals, clearances, and similar actions</p>		
FROM (Name, office symbol or location)	DATE	
Jerry Jackson, EP-1	6/29/78	
	PHONE	
	2-8427	

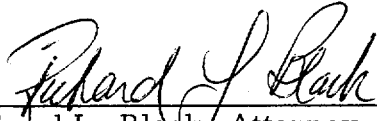
August 1, 1978

Note To: Ronald L. Ballard, Chief
Environmental Projects Branch I

SUBJECT: AMENDMENT TO CONSTRUCTION PERMITS -
HOPE CREEK GENERATING STATION

We concur in these amendments subject to the addition of the following sentence at the end of the first paragraph of the amendments:

"Taking into consideration the amendment authorized hereby, we reaffirm the findings previously made in connection with the issuance of this construction permit."



Richard L. Black, Attorney
Office of the Executive
Legal Director

cc: JRGray
SATreby