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PSEG NUCLEAR LLC
EMERGENCY PLAN ATTACHMENTS
May 25, 2001

CHANGE PAGES FOR
REVISION #14

The Table of Contents forms a general guide to the current revision of each attachment of the PLAN Attachments. The changes that are made in this TOC Revision #14 are shown below. Please check that your revision packet is complete and remove the outdated material listed below. Please only remove the pages indicated.

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PSEG NUCLEAR LLC
EMERGENCY PLAN ATTACHMENT
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LETTERS OF AGREEMENT

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Department of Energy
Brookhaven Group
Building 464
P.O. Box 5000
Upton, New York 11973

JAN 1 9 2000

Ms. Donna Miller
Emergency Preparedness Manager
Public Service Electric and Gas Company
P.O. Box 236
Hancocks Bridge, NJ 08038

Dear Ms. Miller:

SUBJECT: RADIOLOGICAL ASSISTANCE

This letter constitutes a renewal of the Department of Energy's (DOE) commitment to provide emergency radiological assistance to your organization. Since your nuclear facility(s) is/are located in Region I, the Brookhaven Group Office is the DOE office charged with the responsibility for providing radiological assistance in the event of a radiological emergency. Such assistance can be requested at all times by calling (631) 344-2200 and asking for radiological assistance, indicating the nature of the incident, the location, and which authorities have been notified so that we can coordinate our response with them.

DOE will respond to requests for emergency radiological assistance from Federal, State, and local agencies, licensees, private organizations, or individuals involved in or cognizant of an incident believed to involve source, by-product, or special nuclear materials as defined by the Atomic Energy Act of 1954, as amended, or other ionizing radiation sources.

Unless the DOE or a DOE contractor is responsible for the activity, ionizing radiation source, or radioactive material involved, the rendering of assistance to control the immediate hazards to health and safety will be terminated as soon as the emergency situation is under control. Therefore, responsibility for post-incident recovery, including further action for the protection of individuals and the public health and safety, should be assumed by the appropriate responsible Federal, State, or local government agency, or private authority as soon as the emergency conditions are stabilized.

If you have any questions or desire further information, please contact Steve Centore of my staff at (631) 344-7309.

Sincerely,

George J. Malosh
Brookhaven Group Manager

cc: J. McBroom, SO-40, FORS

MEMO OF UNDERSTANDING – 2000

The Agreement dated ~~December 11, 1996,~~ January 19, 2000 between Public Service Electric Gas and **DEPARTMENT OF ENERGY**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

2/22/00
Date

Steven M. Centore
Print Name

Regional Response Coordinator
Title

MEMORANDUM OF UNDERSTANDING
BETWEEN
PUBLIC SERVICE ENTERPRISE GROUP NUCLEAR
AND
STATE OF DELAWARE
DEPARTMENT OF PUBLIC SAFETY
DELAWARE EMERGENCY MANAGEMENT AGENCY (DEMA)

TO PROVIDE FOR THE IMPLEMENTATION OF PROTECTIVE ACTIONS ON BEHALF OF THE GENERAL PUBLIC IN THE EVENT OF AN ACCIDENT

WHEREAS, PSEG Nuclear (herein referred to as PSEG) is authorized to operate nuclear facilities in Lower Alloways Creek Township, New Jersey (herein referred to as PSEG operated nuclear generating facilities) under licenses granted by the U.S. Nuclear Regulatory Commission (NRC); and

WHEREAS, the NRC requires that the level of onsite and offsite emergency preparedness provides reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency; and

WHEREAS, a portion of the State of Delaware is included in the emergency planning zone for PSEG operated nuclear generating facilities; and

WHEREAS, the Federal Emergency Management Agency (FEMA) must make findings and determinations as to whether the State of Delaware Radiological Emergency Plan is adequate and capable of being implemented; and

WHEREAS, the State of Delaware has requested funding pursuant to 20 Del. C. § 3108 for activities and equipment associated with its development and maintenance of a Radiological Emergency Plan which satisfies NRC and FEMA rules, regulations and requirements for radiological emergency preparedness as they pertain to PSEG operated nuclear generating facilities;

THEREFORE, the parties hereto in consideration of the COVENANTS set forth herein agree as follows:

1. PSEG Nuclear agrees, pursuant to 20 Del. C. § 3108 in accordance with the provisions of this Memorandum of Understanding, to fund activities and equipment associated with the development and maintenance of a Radiological Emergency Plan for the State of Delaware in support of the PSEG operated nuclear generating facilities;

2. In consideration of this funding, the Director of the Delaware Emergency Management Agency (DEMA) (herein referred to as DEMA Director), Department of Public Safety, State of Delaware, pursuant to 20 Del. C. § 3108 shall be responsible for maintaining in full effect at all times relevant to this agreement the provisions of the Delaware Radiological Emergency Plan and supporting documents for PSEG operated nuclear generating facilities;

3. For the purpose of this Memorandum of Understanding, the fiscal year shall be from July 1st to June 30th. Sixty (60) days prior to the beginning of each fiscal year, the DEMA Director shall submit a budget to PSEG Nuclear for activities and equipment associated with the Delaware Radiological Emergency Plan for the PSEG operated nuclear generating facilities which are not otherwise funded through appropriations available to the Delaware Emergency Management Agency. Under no circumstances will PSEG Nuclear provide funding for activities or equipment for which funding from other sources is available;

4. Thirty (30) days prior to the beginning of a fiscal year, PSEG Nuclear shall notify the DEMA Director of the acceptability and approval of those budget items for which PSEG Nuclear will provide funding;

5. Funds shall be provided by PSEG Nuclear for those accepted and approved budget items;

6. The DEMA Director shall be responsible for insuring that funding provided is used exclusively for PSEG Nuclear approved budget items;

7. The DEMA Director shall maintain a detailed account of all expenditures of PSEG Nuclear provided funds in accordance with generally accepted accounting principles;

8. PSEG Nuclear reserves the right to audit and/or require accounting for all goods and services for which it has provided funding;

9. The DEMA Director shall supply an accounting of actual, as opposed to estimated, expenses for which PSEG Nuclear provided funding on a quarterly basis to PSEG Nuclear President and Chief Nuclear Officer;

10. At the conclusion of each fiscal year, unexpended budget funds shall be reported to PSEG Nuclear. The disposition of these funds will be at the discretion of PSEG Nuclear;

11. Funding provided under this Memorandum of Understanding shall be for the exclusive use of developing and maintaining the Delaware Radiological Emergency Plan for PSEG operated nuclear facilities;
12. This agreement shall be effective upon signing by both parties but may be terminated by either party upon sixty (60) days of written notice to the other party. This written notice shall be sent by registered letter to:

President
PSEG Nuclear
P.O. Box 236
Hancock's Bridge, NJ 08038

Secretary
Department of Public Safety
P.O. Box 818
Dover, DE 19903

I. PURPOSE

The purpose of this Memorandum of Understanding as set forth in 20 Del. C. § 3108 is to establish conditions upon which PSEG Nuclear will notify the State of Delaware Department of Public Safety, Delaware Emergency Management Agency, of a radiological public safety accident, as hereinafter defined, or occurrences and conditions potentially leading to a radiological public safety accident requiring consideration being given to implementation of protective actions at any level. Proper and timely flow of information throughout the duration of any such accident, occurrences or conditions is essential in order for the Government of the State of Delaware to discharge its obligation to maintain public health and safety by implementing the State of Delaware Radiological Emergency Plan (REP).

II. DEFINITIONS

To minimize the possibility of communications breakdown, the following definitions shall apply throughout this Memorandum of Understanding:

A. Salem/Hope Creek Nuclear Generating Stations - The collective name identifying the utility site for Salem and Hope Creek Nuclear Generating Stations.

B. Authority - The Director of the State of Delaware Department of Public Safety, Delaware Emergency Management Agency is charged with the obligation, authority and responsibility, pursuant to the provisions of Delaware Code, Title 20, Chapter 31, annotated as amended, of instituting appropriate public protective actions in the event of an emergency.

C. Controlled Release - Any release of radioactive materials from Salem/Hope Creek Nuclear Generating Stations which is planned and controlled by the stations.

D. DEMA - State of Delaware Department of Public Safety, Delaware Emergency Management Agency.

E. REP - Delaware Radiological Emergency Plan. A broad, flexible plan designed to maintain public confidence and protect the population in the event of an emergency which could affect the citizens of the State of Delaware.

F. Emergency Action Levels

Unusual Event - Unusual Events, as used for emergency planning purposes, characterize off-normal plant conditions that may not in themselves be particularly significant from an emergency preparedness standpoint, but could reasonably have the potential to increase in significance if proper action is not taken or if circumstances beyond the control of the operating staff render the situation more serious from a safety standpoint. No uncontrolled releases of radioactive materials requiring offsite response or monitoring are expected unless further degradation of safety systems occur. For all of these situations the State will be notified as soon as the event has been declared [within fifteen (15) minutes].

Alert - The Alert Action level is the lowest level where some necessity for emergency planning offsite response may be anticipated. Even so, from the standpoint of Federal, State or Local authority such notification is advisory in nature for Alert level condition. This class includes physical occurrences within the plant which may require station staff emergency organization response. The initial assessment leading to this class should indicate that it is unlikely that an offsite hazard will be created. This class is associated with judgment that the emergency situation can be corrected and controlled by the plant staff. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels. For all of these situations, the State will be notified as soon as the event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center will be activated and the near-site Emergency Operations Facility may be activated.

Site Area Emergency - The Site Area Emergency action level reflects conditions where there is a clear potential for significant releases, such releases are likely, or they are occurring, but in all cases where a core meltdown situation is not indicated based on current information. Any releases are not expected to exceed EPA Protective Action Guideline exposure levels except near site boundary. For all of these situations, the State will be notified as soon as an event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center, and the near-site Emergency Operations Facility will be activated.

General Emergency - The General Emergency action level reflects accident situations involving actual imminent substantial core degradation or melting with the potential for

loss of contaminant integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area. For all of these situations, DEMA and/or the Delaware State Police Headquarters Communication Center will be notified as soon as an event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center, and the near-site Emergency Operations Facility will be activated. The recommendation for any offsite action involving the public, sheltering out to a fixed distance, or evacuation out to a fixed distance will be communicated to the State at the earliest possible time following the declaration of a General Emergency.

G. Hope Creek Generating Station - A nuclear power reactor owned in part and operated by PSEG Nuclear situated within the State of New Jersey, and located within ten miles of the State of Delaware.

H. Nuclear Emergency Telephone System (NETS) - An installed telecommunications branch exchange owned and operated by the Utility for the purpose of emergency communications with the State, county and local governments and the Utility's emergency response facilities.

I. Offsite - All areas outside the nuclear generating station's security perimeters.

J. Onsite - The nuclear generating stations and all property within the security perimeter.

K. Plume Exposure Emergency Planning Zone (Plume EPZ) - The area located within approximately ten miles of the Salem/Hope Creek Nuclear Generating Stations.

L. Protective Action Guides - A sequence of graded projected absorbed doses to individuals in the general population at which various protective actions should be considered following a radiological incident.

M. Radiological Public Safety Accident - An incident which may include unwanted or unplanned movement of the fission product inventory leading to the discharge of fission products beyond facility boundaries above prescribed normal allowable limits as set forth in the Facility Technical Specifications.

N. Salem Generating Station - A nuclear power reactor or reactors owned, in part, and operated by PSEG Nuclear situated within the State of New Jersey, and located within ten miles of the State of Delaware.

O. Sector - 22 1/2 degree division of the Emergency Planning Zone.

P. State - State of Delaware

Q. Unplanned Releases - Any release of radioactive material which is not a controlled release.

R. Utility – PSEG Nuclear.

III. AGREEMENT

The following terms shall be binding upon the State and the Utility:

A. The Utility and the State shall cooperate at all times in developing, reviewing, modifying and exercising protective action plans for radiological public safety accidents.

B. The State and Utility shall join in at least one annual coordinated exercise. The Utility shall be responsible for coordinating such an annual exercise.

C. The Utility and the State shall annually review the REP. Each party reserves the right to suggest change at any time.

D. The Utility shall at all times provide and maintain dedicated telephones located in the shift supervisor's office, the onsite Technical Support Center and the near-site Emergency Operations Facility. The dedicated telephones, an emergency telephone circuit which is part of NETS, shall be for the purpose of maintaining communication with the State in the event of a confirmed or suspected radiological public safety accident. The Utility shall henceforth provide similar telephones, to be located in the offices of DEMA, New Castle County 911 Center, Kent County 911 Center, the Emergency Alert System ("EAS") Gateway Section and the Delaware State Police Headquarters Communications Center. The dedicated telephones will be the primary means of communications.

E. Communications verification will be scheduled and initiated by the Utility. These verifications will occur at least once each calendar month.

F. The Utility shall maintain wind direction and wind speed instruments at Salem/Hope Creek Nuclear Generating Stations to provide meteorological data during a radiological public safety accident.

G. Throughout the entire duration of a radiological public safety accident, the DEMA Director and/or designees shall have access to the near-site Emergency Operations Facility upon presentation of an authorized Delaware Emergency Worker Card.

H. The Utility shall furnish the State with a copy of its Facility Emergency Plan and amendments thereto as they are issued. DEMA shall furnish the Utility with three (3) copies of its REP and amendments thereto as they are issued. The Utility shall furnish a copy of Event Classification Guides for Salem and Hope Creek and the Emergency Plan Attachments.

I. In the event of a radiological public safety accident, the Utility shall have the right and obligation to recommend protective actions.

J. It is the Utility's duty and obligation to notify the State [within fifteen (15) minutes], upon declaration of an event which is classified as an Unusual Event, Alert, Site Area Emergency or General Emergency.

K. Initial notification shall be made by dedicated telephone to the Delaware State Police Headquarters Communications Center. Delaware State Police will notify DEMA.

L. Utility will characterize the plume using various techniques. This may include techniques such as identifying plume centerline, plume edges, vegetation and soil sampling. State of Delaware will monitor and sample plume at leading edge. This does not preclude Delaware teams from traversing the plume. All attempts will be made to maintain As Low As Reasonably Achievable ("ALARA") radiological exposure for emergency workers. It is at the discretion of the DEMA Director whether or not to deploy sampling teams dependent on specific circumstances such as: evacuated area, road conditions, etc.

M. The Utility and the State shall cooperate at all times in the exchange of data relating to the analysis of water, milk, finfish/shellfish, vegetation and soil samples obtained from the ingestion pathway.

N. Message forms for the initial and follow-up contact shall be agreed to by the State and Utility. These message forms shall be used for all required notifications.

O. The Utility shall provide a person to coordinate Utility information with the State for Alert, Site Area Emergency and General Emergency events. This person shall be available to the State and shall be located at the near-site Emergency Operations Facility or the State Emergency Operations Center (EOC), if requested by the DEMA Director, throughout the radiological public safety accident.

P. A radiological public safety accident shall be deemed to have terminated when, in the judgment of the State, there is no longer an immediate need for either consideration of further protective actions or surveillance related to protective actions.

Q. To maintain public confidence and to avoid public apprehension, information shall be released to the public as soon as possible in a coordinated manner. The State and the Utility shall exert best efforts to affect such coordination. To ensure coordination, the Utility shall provide for a location at or near Salem/Hope Creek Nuclear Generating Stations where the State and Utility media representatives may, if appropriate, jointly issue their information releases. This condition in no way abridges the right of the Utility or State to release information to the public. The Utility and the State agree to exert their best efforts to advise each other by telephone of any independent information release to the mass media prior to issuing such a release concerning a radiological public safety accident. In keeping with this delineation of authority and responsibility, each party further agrees to restrict public statements to those areas for which each party is responsible. The Utility and State agree to hold cooperative annual meetings among personnel responsible for public contact.

R. The Utility shall provide a controlled copy of Salem and Hope Creek Nuclear Generating Stations Dose Projection Programs for ongoing comparison of Delaware's Dose Projection Model.

S. The Utility shall exert best efforts to incorporate into Facility Emergency Plan Implementing Procedures the requirements of this Memorandum of Understanding relating to Emergency Plan Exercises and review as referred to in Paragraphs B, C, and E; provision for establishing an emergency telephone and posting of initial communications message, as referred to in Paragraphs D and N.

T. The Utility and State shall cooperate in developing a Station Status Check List which may be used to:

1) Evaluate severity of the accident;
2) Provide information as to the level of protective actions which may be needed.

U. The Utility is responsible for the disposal of radiological waste related to an accident at Salem/Hope Creek Nuclear Generating Stations, at a waste disposal facility site approved by the Nuclear Regulatory Commission (NRC) and the State in which the disposal site is located. Utility is responsible for packaging and assuring the proper packaging of radiological waste material from decontamination operations, as a result of a radiological accident at Salem/Hope Creek Nuclear Generating Stations, in accordance with the Federal procedures required for Low Specific Activity (LSA) waste as defined in Title 49, Code of Federal Regulations. The Utility will arrange for transportation and disposal of LSA material.

V. It is expressly understood that the State, by entering into this Memorandum of Understanding, assumes no responsibility or liability relating to the operation of the Salem or Hope Creek Nuclear Generating Stations and that the Utility shall indemnify, defend and hold harmless the State from any claim, liabilities, loss or damage resulting from any action, causes of actions claims which shall be caused by or in any way result from or arise out of any act, omission or negligence of the Utility or its agents or employees.

W. The terms of this Memorandum of Understanding shall apply to the Salem and Hope Creek Nuclear Generating Stations herein above defined.

X. This agreement shall be effective immediately upon signature of parties hereto.

Y. This Memorandum of Understanding supersedes and voids all previous Memorandums of Understanding between the Utility and the State for the purpose of providing for the implementation of protective actions on behalf of the general public in the event of a radiological public safety accident.

IN WITNESS WHEREOF, the parties hereunto execute this Memorandum of Understanding.

Brian Bushweller
Secretary
Department of Public Safety
State of Delaware

6-10-10
Date

Harold W. Keiser
President
PSEG Nuclear LLC

11/30/00
Date

Approved as to form only:
Attorney General, State of Delaware

By: _____

5/25/00
Date

Planning/NBC/MOU/PSEG

MEMORANDUM OF UNDERSTANDING

BETWEEN

PUBLIC SERVICE ELECTRIC GAS NUCLEAR

AND

SOUTH JERSEY HEALTH CORPORATION

WHEREAS, Public Service Electric Gas Nuclear (herein referred to as PSEG) is authorized to operate nuclear facilities on Artificial Island, Lower Alloways Creek Township, New Jersey (herein referred to as Artificial Island) under licenses granted by the U.S. Nuclear Regulatory Commission (NRC); and

WHEREAS, PSEG is required to maintain radiological emergency preparedness in accordance with their operating licenses and federal regulations of the NRC and the Federal Emergency Management Agency (herein referred to as FEMA) applicable to emergency preparedness; and

WHEREAS, the NRC requires that the state of onsite and offsite emergency preparedness provide reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency; and

WHEREAS, South Jersey Health Corporation (herein referred to as SJHC) has agreed to provide emergency medical services at The Memorial Hospital of Salem County (herein referred to as MHSC) in support of PSEG nuclear operations at Artificial Island; and

WHEREAS, SJHC has requested reimbursement for the activities associated with its development and maintenance of a Radiological Medical Emergency Plan which will satisfy the NRC and FEMA rules, regulations, and requirements for emergency medical services as they pertain to Artificial Island;

THEREFORE, the parties hereto in consideration of the covenants set forth herein agree as follows:

1. PSEG agrees, in accordance with the provisions of this Memorandum of Understanding, to reimburse activities associated with the development and maintenance of a Radiological Medical Emergency Plan for the MHSC in support of Artificial Island;
2. In consideration of this funding, SJHC shall be responsible for maintaining in full effect at all times the provisions of a Radiological Medical Emergency Plan and implementing documents for PSEG-operated nuclear generating facilities at Artificial Island;
3. The amount of this reimbursement will not exceed Seventy-Five Thousand Dollars ($75,000) for any one calendar year;
4. SJHC will provide written notification of these charges and invoice for the program costs by July 1st of each calendar year.
5. PSEG will provide payment of these charges by September 1st of each calendar year.
6. Reimbursement provided under this Memorandum of Understanding shall be for the exclusive purpose of maintaining the Radiological Medical Emergency Plan at MHSC for Artificial Island:

7. This agreement shall be effective from January 1, 2000 until December 31, 2010.

IN WITNESS WHEREOF, the parties hereunto executed this Memorandum of Understanding this 1st day of March 2000.

Public Service Electric Gas Nuclear

By: _____
Harry Keiser
President and Chief Nuclear Officer
PSEG Nuclear

South Jersey Health Corporation

By: _____
Denise R. Williams
President
South Jersey Health Corporation

db/h:agreepseg

GE Nuclear Energy

SIL

Services Information Letter

BWR Nuclear Emergency Support Program

SIL No. 324
Revision 6

September 18, 1998

GE Nuclear Energy has made changes to the BWR Emergency Support Program. These changes are intended to improve GE Nuclear Energy responsiveness to site emergency drills or real plant nuclear emergencies. The emergency phone number is continuously monitored by the Security Operations Center at GE Nuclear Energy headquarters in San Jose.

The Duty Manager responsibility within GE Nuclear Energy has been transferred to an engineering group which has the direct capability to handle all requests for emergency services. For drills, the Security Officer answering the phone is now authorized to confirm contact with GE Nuclear Energy without requiring a return phone call from the GE Nuclear Energy Duty Manager. The Duty Manager will only be contacted if services from GE Nuclear Energy are requested.

Contact with GE Nuclear Energy for matters outside the scope of the Nuclear Emergency Support Program should not be made using the telephone number noted in this SIL.

The purpose of this Revision 6 to SIL No. 324 is to furnish a current description of GE Nuclear Energy's BWR Nuclear Emergency Support Program and to identify the method for requesting nuclear emergency assistance from GE. The information that appears in this Revision 6 should be incorporated into applicable BWR plant procedures as soon as practicable. This SIL No. 324 Revision 6 voids SIL No. 324 Revision 5.

Discussion

The GE Nuclear Energy BWR Nuclear Emergency Support Program provides expedited assistance to owners and operators of GE BWRs to minimize the effect of nuclear emergencies which potentially could affect the health and safety of the public or plant personnel. This program has access to the full resources of GE's engineering organizations in San Jose, California as well as GE personnel located elsewhere.

Please note that GE's Nuclear Emergency Support Program should be activated (i.e., the duty manager contacted) <u>only</u> during nuclear emergencies at GE BWRs, or during site emergency drills for which services from GE Nuclear Energy are required. Expedited services not related to such nuclear emergencies are available through the local GE Nuclear Energy Service Representatives.

GE Nuclear Energy BWR Nuclear Emergency Support Program description

1. Dedicated Emergency Communications Coverage

Dedicated emergency telephone communications coverage is available to owners and operators of GE BWRs 24 hours a day, 365 days a year for requesting assistance from GE for actual BWR nuclear emergencies or site emergency drills. The telephone number to call for GE's BWR Nuclear Emergency Support Program is **(408) 971–1038**. This number is monitored continuously by the Security Operations Center at GE Nuclear Energy, San Jose, CA.

During the telephone call to the Security Operations Center, the caller should give the Security Officer his or her name, telephone number, the name of the BWR utility and the name of the affected BWR. (For an actual nuclear emergency, BWR owners and operators may wish to dedicate a specific telephone number for communications exclusively with GE.) ***If the call is for a drill, no further action will be taken.*** If the BWR Nuclear Emergency Support Program is to be activated, the GE Security Officer will immediately contact a GE Nuclear Emergency Support Program Duty Manager by telephone.

2. Initial Telephone Contact

As soon as possible after a call concerning an actual BWR nuclear emergency, a GE Duty

Manager will telephone the number provided by the BWR utility to the Security Officer. During this initial telephone contact, the BWR utility representative should define the scope of assistance desired from GE.

3. BWR Nuclear Emergency Support Program activation

Upon activation of the BWR Nuclear Emergency Support Program, GE will perform the following, if requested:

a. Form and dispatch to the affected site, by chartered jet aircraft (if required), a GE Emergency Response Team composed of GE personnel from the technical disciplines requested by the BWR utility representative. It is GE's intention that the Team arrive at the affected BWR site within 24 hours after the time of the request. The BWR utility representative will arrange for the GE Emergency Response Team to pass through road blocks and plant security posts in a timely manner. GE will furnish to the BWR utility the name and social security number of each member of the Emergency Response Team.

b. Form a Technical Support Team in San Jose composed of GE personnel from appropriate technical disciplines, and establish dedicated telephone communications with utility personnel at the affected BWR and with local GE Nuclear Energy personnel.

c. Instruct local GE Nuclear Energy personnel to proceed immediately to the BWR site to establish dedicated communications with GE's Technical Support Center in San Jose, collect information requested by the Technical Support Team, and support the BWR utility as directed by the Technical Support Team until the Emergency Response Team arrives at the BWR site.

d. Assist BWR utility personnel in recovering from the nuclear emergency.

4. GE Nuclear Energy Participation

GE Nuclear Energy maintains the BWR Nuclear Emergency Support Program in a standby mode at no cost to BWR utilities. If BWR utility personnel request GE's participation in a drill beyond the initial telephone contact, or request GE's assistance during an actual nuclear emergency, GE will provide such services in accordance with the terms and conditions under which GE Nuclear Energy routinely provides services to the BWR utility.

Recommended actions

GE Nuclear Energy recommends that owners and operators of GE BWRs implement the following to facilitate activation and coordination of GE's BWR Nuclear Emergency Support Program:

1. Inform GE Nuclear Energy in writing that BWR Nuclear Emergency Support Program services may be desired and that such services, when furnished by GE, will be furnished in accordance with the terms and conditions under which GE Nuclear Energy routinely provides services to the BWR utility.

2. Confirm that the BWR Nuclear Emergency Support Program telephone number (408) 971–1038 appears in site emergency procedures for initial telephone contact with GE's BWR Nuclear Emergency Support Program.

3. Provide instructions to GE Nuclear Energy describing site admission procedures during an actual nuclear emergency and identifying the conduct expected of local GE Nuclear Energy personnel and the Emergency Response Team while at the BWR site.

4. In the event an Emergency Response Team is dispatched to a BWR site:

a. Provide to the Technical Support Center in San Jose the name and telephone number of the BWR utility person assigned to coordinate the arrival of the Emergency Response Team. Arrival coordination activities should include the following:

1. Identify the landing location for the aircraft on which the Emergency Response Team will arrive (if a chartered jet aircraft is required).

2. If the affected BWR is located outside the United States and a chartered jet aircraft is required, secure overflight clearances as required by countries along the flight path of the aircraft as well as neces-

sary landing and Customs clearances, such as visas, for the Emergency Response Team.

3. Provide local transportation and escort for the Emergency Response Team to minimize delays in arriving at its assigned work location at the BWR site.

b. Assure that site procedures exist to permit local GE Nuclear Energy personnel and Emergency Response Team members to pass through security posts to the assigned work location in a timely manner.

c. Provide appropriate administrative support and physical facilities at the BWR site for the Emergency Response Team, including communication facilities, health physics services and equipment, access to plant documents and living accommodations if the Emergency Response Team is to remain at the BWR site.

To receive additional information on this subject or for assistance in implementing a recommendation, please contact your local GE Nuclear Energy Service Representative.

This SIL pertains only to GE BWRs. The conditions under which GE Nuclear Energy issues SILs are stated in SIL No. 001 Revision 4, the provisions of which are incorporated into this SIL by reference.

Product Reference

A71 — Plant recommendations

Technical source

K. Faynshtein

Issued by

Original signed by

R. M. Fairfield, Project Manager
Service Information Communications
GE Nuclear Energy
175 Curtner Avenue, San Jose, CA 95125

MEMO OF UNDERSTANDING – 2000

The Agreement SIL No. 324 revision 6 dated September 18, 1998, between Public Service Electric Gas and **GENERAL ELECTRIC COMPANY**, regarding response to an accident at Hope Creek Generating Station has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

5/19/2000
Date

Mike Ellis
Print Name

Technical Account Manager
Title

PSEG NUCLEAR LLC
EMERGENCY PLAN ATTACHMENT

ATTACHMENT 3
MEMORANDA OF UNDERSTANDING

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PSEG NUCLEAR LLC
EMERGENCY PLAN ATTACHMENT

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MEMO OF UNDERSTANDING – 2000

The Agreement dated ~~December 11, 1996,~~ January 19, 2000 between Public Service Electric Gas and **DEPARTMENT OF ENERGY**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

2/22/00
Date

Steven M. Centore
Print Name

Regional Response Coordinator
Title

Department of Energy
Brookhaven Group
Building 464
P.O. Box 5000
Upton, New York 11973

JAN 1 9 2000

Ms. Donna Miller
Emergency Preparedness Manager
Public Service Electric and Gas Company
P.O. Box 236
Hancocks Bridge, NJ 08038

Dear Ms. Miller:

SUBJECT: RADIOLOGICAL ASSISTANCE

This letter constitutes a renewal of the Department of Energy's (DOE) commitment to provide emergency radiological assistance to your organization. Since your nuclear facility(s) is/are located in Region I, the Brookhaven Group Office is the DOE office charged with the responsibility for providing radiological assistance in the event of a radiological emergency. Such assistance can be requested at all times by calling (631) 344-2200 and asking for radiological assistance, indicating the nature of the incident, the location, and which authorities have been notified so that we can coordinate our response with them.

DOE will respond to requests for emergency radiological assistance from Federal, State, and local agencies, licensees, private organizations, or individuals involved in or cognizant of an incident believed to involve source, by-product, or special nuclear materials as defined by the Atomic Energy Act of 1954, as amended, or other ionizing radiation sources.

Unless the DOE or a DOE contractor is responsible for the activity, ionizing radiation source, or radioactive material involved, the rendering of assistance to control the immediate hazards to health and safety will be terminated as soon as the emergency situation is under control. Therefore, responsibility for post-incident recovery, including further action for the protection of individuals and the public health and safety, should be assumed by the appropriate responsible Federal, State, or local government agency, or private authority as soon as the emergency conditions are stabilized.

If you have any questions or desire further information, please contact Steve Centore of my staff at (631) 344-7309.

Sincerely,

George J. Malosh
Brookhaven Group Manager

cc: J. McBroom, SO-40, FORS

MEMO OF UNDERSTANDING – 2000

The Agreement dated March 4, 1994, between Public Service Electric Gas and **US DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Gary S. Szatkowski — 2-24-00

Signature — Date

GARY S. SZATKOWSKI

Print Name

METEOROLOGIST-IN-CHARGE

Title

NATIONAL WEATHER SERVICE FORECAST OFFICE

MEMO OF UNDERSTANDING – 2000

The Agreement dated July 13, 1998, between Public Service Electric Gas and **UNITED STATES COAST GUARD**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

G F Adams, CAPT, USCG
Signature

March 17, 2000
Date

G. F. ADAMS
Print Name

CAPTAIN OF THE PORT, PHILADELPHIA
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated October 9, 1990, between Public Service Electric Gas and **NEW JERSEY DIVISION OF STATE POLICE, NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

July 21, 2000
Date

Kevin J. Hayden
Print Name

Captain / Deputy State Director
Title

MEMORANDUM OF UNDERSTANDING
BETWEEN
PUBLIC SERVICE ENTERPRISE GROUP NUCLEAR
AND
STATE OF DELAWARE
DEPARTMENT OF PUBLIC SAFETY
DELAWARE EMERGENCY MANAGEMENT AGENCY (DEMA)

TO PROVIDE FOR THE IMPLEMENTATION OF PROTECTIVE ACTIONS ON BEHALF OF THE GENERAL PUBLIC IN THE EVENT OF AN ACCIDENT

WHEREAS, PSEG Nuclear (herein referred to as PSEG) is authorized to operate nuclear facilities in Lower Alloways Creek Township, New Jersey (herein referred to as PSEG operated nuclear generating facilities) under licenses granted by the U.S. Nuclear Regulatory Commission (NRC); and

WHEREAS, the NRC requires that the level of onsite and offsite emergency preparedness provides reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency; and

WHEREAS, a portion of the State of Delaware is included in the emergency planning zone for PSEG operated nuclear generating facilities; and

WHEREAS, the Federal Emergency Management Agency (FEMA) must make findings and determinations as to whether the State of Delaware Radiological Emergency Plan is adequate and capable of being implemented; and

WHEREAS, the State of Delaware has requested funding pursuant to 20 Del. C. § 3108 for activities and equipment associated with its development and maintenance of a Radiological Emergency Plan which satisfies NRC and FEMA rules, regulations and requirements for radiological emergency preparedness as they pertain to PSEG operated nuclear generating facilities;

THEREFORE, the parties hereto in consideration of the COVENANTS set forth herein agree as follows:

1. PSEG Nuclear agrees, pursuant to 20 Del. C. § 3108 in accordance with the provisions of this Memorandum of Understanding, to fund activities and equipment associated with the development and maintenance of a Radiological Emergency Plan for the State of Delaware in support of the PSEG operated nuclear generating facilities;

2. In consideration of this funding, the Director of the Delaware Emergency Management Agency (DEMA) (herein referred to as DEMA Director), Department of Public Safety, State of Delaware, pursuant to 20 Del. C. § 3108 shall be responsible for maintaining in full effect at all times relevant to this agreement the provisions of the Delaware Radiological Emergency Plan and supporting documents for PSEG operated nuclear generating facilities;

3. For the purpose of this Memorandum of Understanding, the fiscal year shall be from July 1st to June 30th. Sixty (60) days prior to the beginning of each fiscal year, the DEMA Director shall submit a budget to PSEG Nuclear for activities and equipment associated with the Delaware Radiological Emergency Plan for the PSEG operated nuclear generating facilities which are not otherwise funded through appropriations available to the Delaware Emergency Management Agency. Under no circumstances will PSEG Nuclear provide funding for activities or equipment for which funding from other sources is available;

4. Thirty (30) days prior to the beginning of a fiscal year, PSEG Nuclear shall notify the DEMA Director of the acceptability and approval of those budget items for which PSEG Nuclear will provide funding;

5. Funds shall be provided by PSEG Nuclear for those accepted and approved budget items;

6. The DEMA Director shall be responsible for insuring that funding provided is used exclusively for PSEG Nuclear approved budget items;

7. The DEMA Director shall maintain a detailed account of all expenditures of PSEG Nuclear provided funds in accordance with generally accepted accounting principles;

8. PSEG Nuclear reserves the right to audit and/or require accounting for all goods and services for which it has provided funding;

9. The DEMA Director shall supply an accounting of actual, as opposed to estimated, expenses for which PSEG Nuclear provided funding on a quarterly basis to PSEG Nuclear President and Chief Nuclear Officer;

10. At the conclusion of each fiscal year, unexpended budget funds shall be reported to PSEG Nuclear. The disposition of these funds will be at the discretion of PSEG Nuclear;

11. Funding provided under this Memorandum of Understanding shall be for the exclusive use of developing and maintaining the Delaware Radiological Emergency Plan for PSEG operated nuclear facilities;
12. This agreement shall be effective upon signing by both parties but may be terminated by either party upon sixty (60) days of written notice to the other party. This written notice shall be sent by registered letter to:

President
PSEG Nuclear
P.O. Box 236
Hancock's Bridge, NJ 08038

Secretary
Department of Public Safety
P.O. Box 818
Dover, DE 19903

I. PURPOSE

The purpose of this Memorandum of Understanding as set forth in 20 Del. C. § 3108 is to establish conditions upon which PSEG Nuclear will notify the State of Delaware Department of Public Safety, Delaware Emergency Management Agency, of a radiological public safety accident, as hereinafter defined, or occurrences and conditions potentially leading to a radiological public safety accident requiring consideration being given to implementation of protective actions at any level. Proper and timely flow of information throughout the duration of any such accident, occurrences or conditions is essential in order for the Government of the State of Delaware to discharge its obligation to maintain public health and safety by implementing the State of Delaware Radiological Emergency Plan (REP).

II. DEFINITIONS

To minimize the possibility of communications breakdown, the following definitions shall apply throughout this Memorandum of Understanding:

A. Salem/Hope Creek Nuclear Generating Stations - The collective name identifying the utility site for Salem and Hope Creek Nuclear Generating Stations.

B. Authority - The Director of the State of Delaware Department of Public Safety, Delaware Emergency Management Agency is charged with the obligation, authority and responsibility, pursuant to the provisions of Delaware Code, Title 20, Chapter 31, annotated as amended, of instituting appropriate public protective actions in the event of an emergency.

C. Controlled Release - Any release of radioactive materials from Salem/Hope Creek Nuclear Generating Stations which is planned and controlled by the stations.

D. DEMA - State of Delaware Department of Public Safety, Delaware Emergency Management Agency.

E. REP - Delaware Radiological Emergency Plan. A broad, flexible plan designed to maintain public confidence and protect the population in the event of an emergency which could affect the citizens of the State of Delaware.

F. Emergency Action Levels

Unusual Event - Unusual Events, as used for emergency planning purposes, characterize off-normal plant conditions that may not in themselves be particularly significant from an emergency preparedness standpoint, but could reasonably have the potential to increase in significance if proper action is not taken or if circumstances beyond the control of the operating staff render the situation more serious from a safety standpoint. No uncontrolled releases of radioactive materials requiring offsite response or monitoring are expected unless further degradation of safety systems occur. For all of these situations the State will be notified as soon as the event has been declared [within fifteen (15) minutes].

Alert - The Alert Action level is the lowest level where some necessity for emergency planning offsite response may be anticipated. Even so, from the standpoint of Federal, State or Local authority such notification is advisory in nature for Alert level condition. This class includes physical occurrences within the plant which may require station staff emergency organization response. The initial assessment leading to this class should indicate that it is unlikely that an offsite hazard will be created. This class is associated with judgment that the emergency situation can be corrected and controlled by the plant staff. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels. For all of these situations, the State will be notified as soon as the event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center will be activated and the near-site Emergency Operations Facility may be activated.

Site Area Emergency - The Site Area Emergency action level reflects conditions where there is a clear potential for significant releases, such releases are likely, or they are occurring, but in all cases where a core meltdown situation is not indicated based on current information. Any releases are not expected to exceed EPA Protective Action Guideline exposure levels except near site boundary. For all of these situations, the State will be notified as soon as an event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center, and the near-site Emergency Operations Facility will be activated.

General Emergency - The General Emergency action level reflects accident situations involving actual imminent substantial core degradation or melting with the potential for

loss of contaminant integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area. For all of these situations. DEMA and/or the Delaware State Police Headquarters Communication Center will be notified as soon as an event has been declared [within fifteen (15) minutes]. Furthermore, the onsite Technical Support Center, and the near-site Emergency Operations Facility will be activated. The recommendation for any offsite action involving the public, sheltering out to a fixed distance, or evacuation out to a fixed distance will be communicated to the State at the earliest possible time following the declaration of a General Emergency.

G. Hope Creek Generating Station - A nuclear power reactor owned in part and operated by PSEG Nuclear situated within the State of New Jersey, and located within ten miles of the State of Delaware.

H. Nuclear Emergency Telephone System (NETS) - An installed telecommunications branch exchange owned and operated by the Utility for the purpose of emergency communications with the State, county and local governments and the Utility's emergency response facilities.

I. Offsite - All areas outside the nuclear generating station's security perimeters.

J. Onsite - The nuclear generating stations and all property within the security perimeter.

K. Plume Exposure Emergency Planning Zone (Plume EPZ) - The area located within approximately ten miles of the Salem/Hope Creek Nuclear Generating Stations.

L. Protective Action Guides - A sequence of graded projected absorbed doses to individuals in the general population at which various protective actions should be considered following a radiological incident.

M. Radiological Public Safety Accident - An incident which may include unwanted or unplanned movement of the fission product inventory leading to the discharge of fission products beyond facility boundaries above prescribed normal allowable limits as set forth in the Facility Technical Specifications.

N. Salem Generating Station - A nuclear power reactor or reactors owned, in part, and operated by PSEG Nuclear situated within the State of New Jersey, and located within ten miles of the State of Delaware.

O. Sector - 22 1/2 degree division of the Emergency Planning Zone.

P. State - State of Delaware

Q. Unplanned Releases - Any release of radioactive material which is not a controlled release.

R. Utility – PSEG Nuclear.

III. AGREEMENT

The following terms shall be binding upon the State and the Utility:

A. The Utility and the State shall cooperate at all times in developing, reviewing, modifying and exercising protective action plans for radiological public safety accidents.

B. The State and Utility shall join in at least one annual coordinated exercise. The Utility shall be responsible for coordinating such an annual exercise.

C. The Utility and the State shall annually review the REP. Each party reserves the right to suggest change at any time.

D. The Utility shall at all times provide and maintain dedicated telephones located in the shift supervisor's office, the onsite Technical Support Center and the near-site Emergency Operations Facility. The dedicated telephones, an emergency telephone circuit which is part of NETS, shall be for the purpose of maintaining communication with the State in the event of a confirmed or suspected radiological public safety accident. The Utility shall henceforth provide similar telephones, to be located in the offices of DEMA, New Castle County 911 Center, Kent County 911 Center, the Emergency Alert System ("EAS") Gateway Section and the Delaware State Police Headquarters Communications Center. The dedicated telephones will be the primary means of communications.

E. Communications verification will be scheduled and initiated by the Utility. These verifications will occur at least once each calendar month.

F. The Utility shall maintain wind direction and wind speed instruments at Salem/Hope Creek Nuclear Generating Stations to provide meteorological data during a radiological public safety accident.

G. Throughout the entire duration of a radiological public safety accident, the DEMA Director and/or designees shall have access to the near-site Emergency Operations Facility upon presentation of an authorized Delaware Emergency Worker Card.

H. The Utility shall furnish the State with a copy of its Facility Emergency Plan and amendments thereto as they are issued. DEMA shall furnish the Utility with three (3) copies of its REP and amendments thereto as they are issued. The Utility shall furnish a copy of Event Classification Guides for Salem and Hope Creek and the Emergency Plan Attachments.

I. In the event of a radiological public safety accident, the Utility shall have the right and obligation to recommend protective actions.

J. It is the Utility's duty and obligation to notify the State [within fifteen (15) minutes], upon declaration of an event which is classified as an Unusual Event, Alert, Site Area Emergency or General Emergency.

K. Initial notification shall be made by dedicated telephone to the Delaware State Police Headquarters Communications Center. Delaware State Police will notify DEMA.

L. Utility will characterize the plume using various techniques. This may include techniques such as identifying plume centerline, plume edges, vegetation and soil sampling. State of Delaware will monitor and sample plume at leading edge. This does not preclude Delaware teams from traversing the plume. All attempts will be made to maintain As Low As Reasonably Achievable ("ALARA") radiological exposure for emergency workers. It is at the discretion of the DEMA Director whether or not to deploy sampling teams dependent on specific circumstances such as: evacuated area, road conditions, etc.

M. The Utility and the State shall cooperate at all times in the exchange of data relating to the analysis of water, milk, finfish/shellfish, vegetation and soil samples obtained from the ingestion pathway.

N. Message forms for the initial and follow-up contact shall be agreed to by the State and Utility. These message forms shall be used for all required notifications.

O. The Utility shall provide a person to coordinate Utility information with the State for Alert, Site Area Emergency and General Emergency events. This person shall be available to the State and shall be located at the near-site Emergency Operations Facility or the State Emergency Operations Center (EOC), if requested by the DEMA Director, throughout the radiological public safety accident.

P. A radiological public safety accident shall be deemed to have terminated when, in the judgment of the State, there is no longer an immediate need for either consideration of further protective actions or surveillance related to protective actions.

Q. To maintain public confidence and to avoid public apprehension, information shall be released to the public as soon as possible in a coordinated manner. The State and the Utility shall exert best efforts to affect such coordination. To ensure coordination, the Utility shall provide for a location at or near Salem/Hope Creek Nuclear Generating Stations where the State and Utility media representatives may, if appropriate, jointly issue their information releases. This condition in no way abridges the right of the Utility or State to release information to the public. The Utility and the State agree to exert their best efforts to advise each other by telephone of any independent information release to the mass media prior to issuing such a release concerning a radiological public safety accident. In keeping with this delineation of authority and responsibility, each party further agrees to restrict public statements to those areas for which each party is responsible. The Utility and State agree to hold cooperative annual meetings among personnel responsible for public contact.

R. The Utility shall provide a controlled copy of Salem and Hope Creek Nuclear Generating Stations Dose Projection Programs for ongoing comparison of Delaware's Dose Projection Model.

S. The Utility shall exert best efforts to incorporate into Facility Emergency Plan Implementing Procedures the requirements of this Memorandum of Understanding relating to Emergency Plan Exercises and review as referred to in Paragraphs B, C, and E; provision for establishing an emergency telephone and posting of initial communications message, as referred to in Paragraphs D and N.

T. The Utility and State shall cooperate in developing a Station Status Check List which may be used to:

1) Evaluate severity of the accident;
2) Provide information as to the level of protective actions which may be needed.

U. The Utility is responsible for the disposal of radiological waste related to an accident at Salem/Hope Creek Nuclear Generating Stations, at a waste disposal facility site approved by the Nuclear Regulatory Commission (NRC) and the State in which the disposal site is located. Utility is responsible for packaging and assuring the proper packaging of radiological waste material from decontamination operations, as a result of a radiological accident at Salem/Hope Creek Nuclear Generating Stations, in accordance with the Federal procedures required for Low Specific Activity (LSA) waste as defined in Title 49, Code of Federal Regulations. The Utility will arrange for transportation and disposal of LSA material.

V. It is expressly understood that the State, by entering into this Memorandum of Understanding, assumes no responsibility or liability relating to the operation of the Salem or Hope Creek Nuclear Generating Stations and that the Utility shall indemnify, defend and hold harmless the State from any claim, liabilities, loss or damage resulting from any action, causes of actions claims which shall be caused by or in any way result from or arise out of any act, omission or negligence of the Utility or its agents or employees.

W. The terms of this Memorandum of Understanding shall apply to the Salem and Hope Creek Nuclear Generating Stations herein above defined.

X. This agreement shall be effective immediately upon signature of parties hereto.

Y. This Memorandum of Understanding supersedes and voids all previous Memorandums of Understanding between the Utility and the State for the purpose of providing for the implementation of protective actions on behalf of the general public in the event of a radiological public safety accident.

IN WITNESS WHEREOF, the parties hereunto execute this Memorandum of Understanding.

Brian Bushweiler
Secretary
Department of Public Safety
State of Delaware

6-10-00
Date

Harold W. Keiser
President
PSEG Nuclear LLC

11/30/00
Date

Approved as to form only:
Attorney General, State of Delaware

By: _____

5/25/00
Date

Planning/NBC/MOU/PSEG

MEMO OF UNDERSTANDING – 2000

The Agreement dated June 16, 1990, between Public Service Electric Gas and **NEW JERSEY OFFICE OF EMERGENCY MANAGEMENT AND THE MARYLAND EMERGENCY MANAGEMENT AND CIVIL DEFENSE AGENCY**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

July 21, 2000
Date

Kevin J. Hayden
Print Name

Captain / Deputy State Director
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated March 22, 1990, between Public Service Electric Gas and **NEW JERSEY OFFICE OF EMERGENCY MANAGEMENT AND THE PENNSYLVANIA EMERGENCY MANAGEMENT AGENCY**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

July 21, 2000
Date

Kevin J. Hayden
Print Name

Captain / Deputy State Director
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated February 3, 1998, between Public Service Electric Gas and **CUMBERLAND COUNTY OFFICE OF EMERGENCY MANAGEMENT**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Joseph Carl Sever
Signature

02-22-00
Date

JOSEPH CARL SEVER
Print Name

Coordinator
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated October 7, 1994, between Public Service Electric Gas and **SALEM COUNTY DEPARTMENT OF EMERGENCY SERVICES**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

February 18, 2000
Date

Carl W. Wentzell
Print Name

Salem County Dept. of Emergency Services - Deputy Coordinator
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated January 11, 1999, between Public Service Electric Gas and **KENT COUNTY,** regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Donald W. Knight
Signature

2/22/00
Date

DONALD W. KNIGHT
Print Name

DIRECTOR
Title

MEMO OF UNDERSTANDING – 2000

The Agreement dated October 27, 1997, between Public Service Electric Gas and **NEW CASTLE COUNTY DELAWARE**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

2-8-00
Date

Col. John L. Cunningham
Print Name

Chief of Police.
Title

THOMAS P. GORDON
COUNTY EXECUTIVE

COPLAN JOHN L. CUNNINGHAM
ATT. 3-1.11 CHIEF OF POLICE

DEPARTMENT OF POLICE

March 9, 2000

Mr. William A. Weckstein
Emergency Preparedness
Pubic Service Electric and Gas Company
P.O. Box 236
Hancocks Bridge, NJ 08038-0236

Dear Mr. Weckstein:

Enclosed is the signed Memorandum of Understanding between New Castle County and Public Service Electric & Gas Company. The agreement stands in force as before. The Chief of Police is the required signature in our department and he has signed the MOU as requested.

Please note that there was one change made to the MOU on page three. The position of "Director of Public Safety" is defunct. The MOU should indicate the "Chief of Police" as the Police Department Manager.

If you have questions concerning this MOU or our changes to it, please contact me at (302) 761-1721. Thank you for your continued support of the REP program.

Sincerely,

Richard W. Kendall, CEM
Coordinator of Emergency Planning

Enclosure
RWK/mlc

3601 N. DUPONT HIGHWAY, NEW CASTLE, DE 19720 PHONE: 302-571-7900 FAX: 302-571-7378

MEMORANDUM OF UNDERSTANDING

BETWEEN

PUBLIC SERVICE ELECTRIC GAS NUCLEAR

AND

SOUTH JERSEY HEALTH CORPORATION

WHEREAS, Public Service Electric Gas Nuclear (herein referred to as PSEG) is authorized to operate nuclear facilities on Artificial Island, Lower Alloways Creek Township, New Jersey (herein referred to as Artificial Island) under licenses granted by the U.S. Nuclear Regulatory Commission (NRC); and

WHEREAS, PSEG is required to maintain radiological emergency preparedness in accordance with their operating licenses and federal regulations of the NRC and the Federal Emergency Management Agency (herein referred to as FEMA) applicable to emergency preparedness; and

WHEREAS, the NRC requires that the state of onsite and offsite emergency preparedness provide reasonable assurance that adequate protective measures can and will be taken in the event of a radiological emergency; and

WHEREAS, South Jersey Health Corporation (herein referred to as SJHC) has agreed to provide emergency medical services at The Memorial Hospital of Salem County (herein referred to as MHSC) in support of PSEG nuclear operations at Artificial Island; and

WHEREAS, SJHC has requested reimbursement for the activities associated with its development and maintenance of a Radiological Medical Emergency Plan which will satisfy the NRC and FEMA rules, regulations, and requirements for emergency medical services as they pertain to Artificial Island;

THEREFORE, the parties hereto in consideration of the covenants set forth herein agree as follows:

1. PSEG agrees, in accordance with the provisions of this Memorandum of Understanding, to reimburse activities associated with the development and maintenance of a Radiological Medical Emergency Plan for the MHSC in support of Artificial Island;
2. In consideration of this funding, SJHC shall be responsible for maintaining in full effect at all times the provisions of a Radiological Medical Emergency Plan and implementing documents for PSEG-operated nuclear generating facilities at Artificial Island;
3. The amount of this reimbursement will not exceed Seventy-Five Thousand Dollars ($75,000) for any one calendar year;
4. SJHC will provide written notification of these charges and invoice for the program costs by July 1st of each calendar year.
5. PSEG will provide payment of these charges by September 1st of each calendar year.
6. Reimbursement provided under this Memorandum of Understanding shall be for the exclusive purpose of maintaining the Radiological Medical Emergency Plan at MHSC for Artificial Island:

7. This agreement shall be effective from January 1, 2000 until December 31, 2010.

IN WITNESS WHEREOF, the parties hereunto executed this Memorandum of Understanding this 1st day of March, 2000.

Public Service Electric Gas Nuclear

By: _____
Harry Keiser
President and Chief Nuclear Officer
PSEG Nuclear

South Jersey Health Corporation

By: _____
Denise R. Williams
President
South Jersey Health Corporation

db/h:agreepseg

MEMO OF UNDERSTANDING – 2000

The Agreement SIL No. 324 revision 6 dated September 18, 1998, between Public Service Electric Gas and **GENERAL ELECTRIC COMPANY**, regarding response to an accident at Hope Creek Generating Station has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Signature

5/19/2000
Date

Mike Ellis
Print Name

Technical Account Manager
Title

BWR Nuclear Emergency Support Program

SIL No. 324
Revision 6

September 18, 1998

GE Nuclear Energy has made changes to the BWR Emergency Support Program. These changes are intended to improve GE Nuclear Energy responsiveness to site emergency drills or real plant nuclear emergencies. The emergency phone number is continuously monitored by the Security Operations Center at GE Nuclear Energy headquarters in San Jose.

The Duty Manager responsibility within GE Nuclear Energy has been transferred to an engineering group which has the direct capability to handle all requests for emergency services. For drills, the Security Officer answering the phone is now authorized to confirm contact with GE Nuclear Energy without requiring a return phone call from the GE Nuclear Energy Duty Manager. The Duty Manager will only be contacted if services from GE Nuclear Energy are requested.

Contact with GE Nuclear Energy for matters outside the scope of the Nuclear Emergency Support Program should not be made using the telephone number noted in this SIL.

The purpose of this Revision 6 to SIL No. 324 is to furnish a current description of GE Nuclear Energy's BWR Nuclear Emergency Support Program and to identify the method for requesting nuclear emergency assistance from GE. The information that appears in this Revision 6 should be incorporated into applicable BWR plant procedures as soon as practicable. This SIL No. 324 Revision 6 voids SIL No. 324 Revision 5.

Discussion

The GE Nuclear Energy BWR Nuclear Emergency Support Program provides expedited assistance to owners and operators of GE BWRs to minimize the effect of nuclear emergencies which potentially could affect the health and safety of the public or plant personnel. This program has access to the full resources of GE's engineering organizations in San Jose, California as well as GE personnel located elsewhere.

Please note that GE's Nuclear Emergency Support Program should be activated (i.e., the duty manager contacted) <u>only</u> during nuclear emergencies at GE BWRs, or during site emergency drills for which services from GE Nuclear Energy are required. Expedited services not related to such nuclear emergencies are available through the local GE Nuclear Energy Service Representatives.

GE Nuclear Energy BWR Nuclear Emergency Support Program description

1. Dedicated Emergency Communications Coverage

Dedicated emergency telephone communications coverage is available to owners and operators of GE BWRs 24 hours a day, 365 days a year for requesting assistance from GE for actual BWR nuclear emergencies or site emergency drills. The telephone number to call for GE's BWR Nuclear Emergency Support Program is **(408) 971–1038**. This number is monitored continuously by the Security Operations Center at GE Nuclear Energy, San Jose, CA.

During the telephone call to the Security Operations Center, the caller should give the Security Officer his or her name, telephone number, the name of the BWR utility and the name of the affected BWR. (For an actual nuclear emergency, BWR owners and operators may wish to dedicate a specific telephone number for communications exclusively with GE.) ***If the call is for a drill, no further action will be taken.*** If the BWR Nuclear Emergency Support Program is to be activated, the GE Security Officer will immediately contact a GE Nuclear Emergency Support Program Duty Manager by telephone.

2. Initial Telephone Contact

As soon as possible after a call concerning an actual BWR nuclear emergency, a GE Duty

Manager will telephone the number provided by the BWR utility to the Security Officer. During this initial telephone contact, the BWR utility representative should define the scope of assistance desired from GE.

3. BWR Nuclear Emergency Support Program activation

Upon activation of the BWR Nuclear Emergency Support Program, GE will perform the following, if requested:

a. Form and dispatch to the affected site, by chartered jet aircraft (if required), a GE Emergency Response Team composed of GE personnel from the technical disciplines requested by the BWR utility representative. It is GE's intention that the Team arrive at the affected BWR site within 24 hours after the time of the request. The BWR utility representative will arrange for the GE Emergency Response Team to pass through road blocks and plant security posts in a timely manner. GE will furnish to the BWR utility the name and social security number of each member of the Emergency Response Team.

b. Form a Technical Support Team in San Jose composed of GE personnel from appropriate technical disciplines, and establish dedicated telephone communications with utility personnel at the affected BWR and with local GE Nuclear Energy personnel.

c. Instruct local GE Nuclear Energy personnel to proceed immediately to the BWR site to establish dedicated communications with GE's Technical Support Center in San Jose, collect information requested by the Technical Support Team, and support the BWR utility as directed by the Technical Support Team until the Emergency Response Team arrives at the BWR site.

d. Assist BWR utility personnel in recovering from the nuclear emergency.

4. GE Nuclear Energy Participation

GE Nuclear Energy maintains the BWR Nuclear Emergency Support Program in a standby mode at no cost to BWR utilities. If BWR utility personnel request GE's participation in a drill beyond the initial telephone contact, or request GE's assistance during an actual nuclear emergency, GE will provide such services in accordance with the terms and conditions under which GE Nuclear Energy routinely provides services to the BWR utility.

Recommended actions

GE Nuclear Energy recommends that owners and operators of GE BWRs implement the following to facilitate activation and coordination of GE's BWR Nuclear Emergency Support Program:

1. Inform GE Nuclear Energy in writing that BWR Nuclear Emergency Support Program services may be desired and that such services, when furnished by GE, will be furnished in accordance with the terms and conditions under which GE Nuclear Energy routinely provides services to the BWR utility.

2. Confirm that the BWR Nuclear Emergency Support Program telephone number (408) 971–1038 appears in site emergency procedures for initial telephone contact with GE's BWR Nuclear Emergency Support Program.

3. Provide instructions to GE Nuclear Energy describing site admission procedures during an actual nuclear emergency and identifying the conduct expected of local GE Nuclear Energy personnel and the Emergency Response Team while at the BWR site.

4. In the event an Emergency Response Team is dispatched to a BWR site:

a. Provide to the Technical Support Center in San Jose the name and telephone number of the BWR utility person assigned to coordinate the arrival of the Emergency Response Team. Arrival coordination activities should include the following:

1. Identify the landing location for the aircraft on which the Emergency Response Team will arrive (if a chartered jet aircraft is required).

2. If the affected BWR is located outside the United States and a chartered jet aircraft is required, secure overflight clearances as required by countries along the flight path of the aircraft as well as neces-

sary landing and Customs clearances, such as visas, for the Emergency Response Team.

3. Provide local transportation and escort for the Emergency Response Team to minimize delays in arriving at its assigned work location at the BWR site.

b. Assure that site procedures exist to permit local GE Nuclear Energy personnel and Emergency Response Team members to pass through security posts to the assigned work location in a timely manner.

c. Provide appropriate administrative support and physical facilities at the BWR site for the Emergency Response Team, including communication facilities, health physics services and equipment, access to plant documents and living accommodations if the Emergency Response Team is to remain at the BWR site.

To receive additional information on this subject or for assistance in implementing a recommendation, please contact your local GE Nuclear Energy Service Representative.

This SIL pertains only to GE BWRs. The conditions under which GE Nuclear Energy issues SILs are stated in SIL No. 001 Revision 4, the provisions of which are incorporated into this SIL by reference.

Product Reference

A71 — Plant recommendations

Technical source

K. Faynshtein

Issued by

Original signed by

R. M. Fairfield, Project Manager
Service Information Communications
GE Nuclear Energy
175 Curtner Avenue, San Jose, CA 95125

INPO

Institute of
Nuclear Power
Operations

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770-644-8000
FAX 770-644-8549

December 31, 1999

Ms. Donna Jean Miller
Manager, Corrective Action, Emergency Preparedness, Instructional
Technology, Operating Experience, & Nuclear Review Board
Public Service Electric and Gas Company
PSEG Nuclear LLC
NDAB MC N37
PO Box 236
Hancocks Bridge, NJ 08038

Dear Ms. ~~Miller~~: Donna

This letter certifies that the plant emergency assistance agreement between INPO and its member utilities remains in effect. In the event of an emergency at your utility, INPO will assist you in acquiring the help of other organizations in the industry, as described in Section I of the *Emergency Resources Manual,* INPO 86-032. If requested, INPO will provide the following assistance:

- facilitate technical information flow from the affected utility to the nuclear industry
- locate replacement equipment and personnel with technical expertise
- obtain technical information and industry experience regarding plant component and systems
- provide an INPO liaison to facilitate interface

This agreement will remain in effect until terminated in writing. Should you have questions, please call me at (770) 644-8210.

Sincerely,

E. D. Hux
Director
Plant Operations Division

EDH:mdw
cc: Mr. Harold W. Keiser
Mr. Craig W. Banner
Mr. Sigval M. Berg

L99-5Q030

MEMO OF UNDERSTANDING – 2000

The Agreement dated February 1, 1988, between Public Service Electric Gas **WESTINGHOUSE ELECTRIC CORPORATION,** regarding response to an accident at Salem Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

MPOsborne
Signature

2-22-2000
Date

Melita P Osborne
Print Name

Customer Projects Manager
Title

Westinghouse Electric Co LLC

Please note: Table G was updated in letter PSE-00-001 attached.

TABLE G
WESTINGHOUSE EMERGENCY RESPONSE ROSTER

Title	Name	Office	Home	Home Hotline Cell Phone Pager
WESTINGHOUSE EMERGENCY RESPONSE DIRECTOR				
Director	Hank Sepp	(412) 374-5282	(412) 856-4036	Cell (412) 302-3558 Pager (412) 649-1885 Home Hot Line (412) 856-6121
1st Alternate	Bob McFetridge	(412) 374-5557	(412) 372-6397	Fax (412) 374-4011
Deputy Director	Rick Lee	(412) 374-5017	(724) 733-5409	Pager (412) 649-2612 Cell Phone (412) 915-6282
1st Alternate *	Ken Quinn	(412) 374-6390	(412) 366-2623	Cell Phone (412) 965-5813
WESTINGHOUSE SERVICE RESPONSE				
Service Response Mgr.	Chuck Gerstberger	(724) 722-5660	(724) 325-1756	N/A
1st Alternate	Kevin Miller	(724) 722-5993	(724) 446-9811	Pager (412) 686-4943
2nd Alternate	N/A	N/A	N/A	N/A
WESTINGHOUSE EMERGENCY NEWS COMMUNICATIONS				
ENC Manager	Vaughn Gilbert	(412) 374-3896	(412) 751-5389	(412) 272-0871 Cell Phone (412) 491-9820
1st Alternate *	Beth Moore	(412) 374-4099	(412) 767-4125	N/A
WESTINGHOUSE EMERGENCY RESPONSE TECHNICAL SUPPORT MANAGER				
Technical Support Mgr.	Mitch Nissley	(412) 374-4303	(412) 856-5617	N/A
1st Alternate	Rich Prokopovich	(412) 374-5427	(412) 833-1264	N/A
WESTINGHOUSE EMERGENCY RESPONSE LOGISTIC MANAGER				
Logistics Manager *	Lou Tylman	(412) 374-4890	(724) 836-8430	N/A
1st Alternate	Chuck Baker	(412) 374-5425	(724) 832-0594	Pager (412) 272-1823

TABLE G-1
EMERGENCY RESPONSE PLAN SITE RESPONSE ROSTER

Title	Name	Office	Home	Cell Phone Pager
SRT Leader	Mark Stickel	(724) 722-5692	(724) 327-8380	Cell Phone (412) 398-4388 Pager (412) 686-0847
1st Alternate *	Frank Garofalo	(724) 722-5533	(724) 836-8430	(888) 897-2752
Operations Support	Roger Hine	(724) 733-6160	(724) 668-8973	(724) 331-7098
1st Alternate	Chuck Roman	(724) 733-6531	(724) 325-3938	N/A
Health Physics Support	Griff Holmes	(412) 374-5124	(412) 243-0113	Cell Phone (412) 280-8600
1st Alternate	Cary Blotzer	(724) 722-5944	(724) 694-9538	N/A
2nd Alternate	Craig Wilson	(724) 722-5734	(724) 834-5411	N/A

TABLE G-1
EMERGENCY RESPONSE CONTACTS (Continued)

Project Alpha	Title	Name	Office	Home	Beeper/ Cell Phone
SALEM 1 & 2 PSE/PNJ	First Contact	Melita Osborne	(412) 374-4587	(412) 731-6097	(888) 559-7322
	1st Alternate	Carl Schwartz	(412) 374-3678	(412) 373-2426	(800) 984-6218
	2nd Alternate *	Ed Bourne	(804) 785-5067	(804) 785-5067	(804) 241-4490

MEMO OF UNDERSTANDING – 2000

The Agreement dated February 15, 1995, between Public Service Electric Gas and **HazMed Consultants**, regarding response to an accident at either Salem or Hope Creek Generating Stations has been reviewed. The agreement is currently satisfactory and subsequently, remains in force.

Tony Serratore RN — 3/27/00

Signature — Date

TONY SERRATORE, RN

Print Name

PRESIDENT

Title

HAZMED CONSULTANTS