Docket No. 50-272/311

MEMORANDUM FOR:

Walter R. Butler, Director

Project Directorate I-2

Division of Reactor Projects I/II

FROM:

James C. Stone, Project Manager

Project Directorate I-2

Division of Reactor Projects I/II

SUBJECT:

FORTHCOMING MEETING WITH PUBLIC SERVICE ELECTRIC AND GAS

DATE & TIME:

November 22, 1988 10:00 am - 2:00 pm

LOCATION:

One White Flint North 11555 Rockville Pike

Rockville, MD Room 16 B 11

PURPOSE:

To discuss preparation of the Biological Assessment

pertaining to sea turtle occurrences and operation impacts at Salem Generating Station as outlined in the enclosure.

\*PARTICIPANTS:

NRC

W. Butler

Utility

J. Stone

J. Baletto

J. Eggers

M. Masnik

et. al.

E. Chan

**/**S/

James C. Stone, Project Manager

Project Directorate I-2

Division of Reactor Projects I/II

Enclosure:

Biological Assessment

cc w/enclosure See next page

\*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting Statement of NRC Staff Policy," 43 Federal Register 28058, 6/28/78.

PDI-2/PM JStone:mr (X/88

PDI-2/D WButler 11/4/88

8811140128 881104

memo 4



# UNITED STATES **NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D. C. 20555

November 4. 1988

Docket No. 50-272/311

MEMORANDUM FOR:

Walter R. Butler, Director

Project Directorate I-2

Division of Reactor Projects I/II

FROM:

James C. Stone, Project Manager

Project Directorate I-2

Division of Reactor Projects I/II

SUBJECT:

FORTHCOMING MEETING WITH PUBLIC SERVICE ELECTRIC AND GAS

DATE & TIME:

November 22, 1988

10:00 am - 2:00 pm

LOCATION:

One White Flint North 11555 Rockville Pike

Rockville, MD Room 16 B 11

**PURPOSE:** 

To discuss preparation of the Biological Assessment

pertaining to sea turtle occurrences and operation impacts at Salem Generating Station as outlined in the enclosure.

\*PARTICIPANTS:

Utility

W. Butler

J. Baletto

J. Stone

J. Eggers

M. Masnik

et. al.

E. Chan

James C. Stone, Project Manager

Project Directorate I-2

Division of Reactor Projects I/II

Enclosure:

Biological Assessment

cc w/enclosure See next page

\*Meetings between NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting Statement of NRC Staff Policy," 43 Federal Register 28058, 6/28/78.

Mr. Steven E. Miltenberger Public Service Electric & Gas Company

Salem Nuclear Generating Station

cc:

Mark J. Wetterhahn, Esquire Conner and Wetterhahn Suite 1050 1747 Pennsylvania Avenue, NW Washington, DC 20006

Richard Fryling, Jr., Esquire Law Department - Tower 5E 80 Park Place Newark, NJ 07101

Mr. L. K. Miller General Manager - Salem Operations Salem Generating Station P.O. Box 236 Hancocks Bridge, NJ 08038

Mr. S. LaBruna Vice President - Nuclear Operations Nuclear Department P.O. Box 236 Hancocks Bridge, New Jersey 08038

Robert Traee, Mayor Lower Alloways Creek Township Municipal Hall Hancocks Bridge, NJ 08038

Richard W. Borchardt, Resident Inspector Salem Muclear Generating Station U.S. Nuclear Regulatory Commission Drawer I Hancocks Bridge, NJ 08038

Richard F. Engel
Deputy Attorney General
Department of Law and Public Safety
CN-112
State House Annex
Trenton, NJ 08625

Mr. David M. Scott, Chief Bureau of Nuclear Engineering Department of Environmental Protection State of New Jersey CN 411 Trenton, NJ 08625 Richard B. McGlynn, Commission Department of Public Utilities State of New Jersev 101 Commerce Street Newark, NJ 07102

Regional Administrator, Region I U. S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406

Lower Alloways Creek Township c/o Mary O. Henderson, Clerk Municipal Building, P.O. Box 157 Hancocks Bridge, NJ 08038

Mr. Bruce A. Preston, Manager Licensing and Regulation Nuclear Department P.O. Box 236 Hancocks Bridge, NJ 08038

Mr. David Wersan Assistant Consumer Advocate Office of Consumer Advocate 1425 Strawberry Square Harrisburg, PA 17120

Morgan J. Morris, III General Manager - Operating License Atlantic Electric P.O. Box 1500 1199 Black Horse Pike Pleasantville, NJ 08232

Delmarva Power & Light Company c/o Jack Urban General Manager, Fuel Supply 800 King Street P.O. Box 231 Wilmington, DE 19899 TENATIVE OUTLINE FOR "BIOLOGICAL ASSESSMENT" OF SEA TURTLE OCCURRENCES AND OPERATIONAL IMPACTS AT PUBLIC SERVICE ELECTRIC AND GAS COMPANY'S, SALEM GENERATING STATION

### 1.0 SUMMARY AND CONCLUSIONS

#### 2.0 INTRODUCTION

- 2.1 Regulatory Framework
- Historical Background

## 3.0 SITE DESCRIPTION

- 3.1 Location
- 3.2 Hydrology
- 3.3 Salinity
- 3.4 Temperature
- 3.5 Bathymetry

#### 4.0 SALEM AND HOPE CREEK GENERATING STATION DESCRIPTIONS

- 4.1 Salem Generating Station
  - 4.1.1 Intake System
    - 4.1.1.1 Circulating Water System
    - 4.1.1.2 Service Water System
  - 4.1.2 Discharge System
- Hope Creek Generating Station 4.2
  - 4.2.1 Intake System
    - 4.2.1.1 Circulating Water System
    - 4.2.1.2 Service Water System
  - 4.2.2 Discharge System

## 5.0 SPECIES

- 5.1 General Sea Turtle Information
- Loggerhead (Caretta caretta)

  - 5.2.1 Description 5.2.2 Distribution
  - 5.2.3 Foraging and Food Habits
  - 5.2.4 Reproduction
  - 5.2.5 Population Estimates
- Kemps Ridley (Lepidochelys kempi)
  - 5.3.1 Description
  - 5.3.2 Distribution
  - 5.3.3 Diet
  - 5.3.4 Foraging and Food Habits
  - 5.3.5 Population Estimates
- Sea Turtles in the Delaware River Estuary

#### ONSITE INFORMATION

## ASSESSMENT OF POTENTIAL OPERATIONAL IMPACTS

- 7.1 Entrapment on Trash Racks
- 7.2 Thermal Effects
- 7.3 Other

# 8.0 CONCLUSIONS

9.0 LITERATURE CITED

# DISTRIBUTION

Docket File NRC & Local PDRs PDI-2 Reading T. Murley/J. Sniezek D. Crutchfield **SVarga** BBoger JStone/MThadani W. Lanning OGC E. Jordan B. Grimes Receptionist (WF) NRC Participants ACRS (10) GPA/PA V. Wilson L. Thomas M. Johnson, EDO K. Abraham, Region I MO'Brien

cc: Licensee/Applicant & Service List