



DEC 15 2003

LR-E03-0512

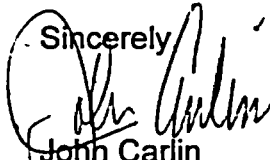
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED  
ARTICLE NUMBER: 7001 1140 0002 6726 7354

Department of Environmental Protection  
Division of Water Quality  
Bureau of Permit Management  
P.O. Box 029  
Trenton, N.J. 08625-0029

**PSEG NUCLEAR LLC  
HOPE CREEK GENERATING STATION  
NJPDES PERMIT NJ0025411  
SURFACE WATER DISCHARGE WASTE CHARACTERIZATION REPORT**

In accordance with Part III, Sections C and D of the above-referenced NJPDES permit,  
PSEG Nuclear is submitting the Surface Water Discharge Waste Characterization  
Reports for DSN's 461C and 462B for the permit quarter ending November 30, 2003.

If you have any questions concerning these reports, please feel free to contact Mr.  
David Hurka at (856) 339-1275.

Sincerely,  
  
John Carlin

Vice President – Nuclear Assessments

**Attachments**

C Executive Director, DRBC

Document Control Desk  
USNRC - Docket number 50-354

*IEIS*

DEC 15 2003

LR-E03-0512  
NJDEP

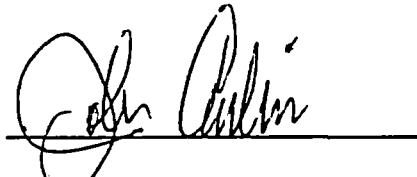
2

BC    Manager – Nuclear Safety & Licensing    N21  
      C. McAuliffe    5C  
      E. J. Keating    N33  
      J. Serfass        H15  
      J. Sassi          H15  
      J. Buchanan     H15  
      NBS Room        N64  
      Env Lic File 2.1.6 HC Book

COUNTY OF SALEM  
STATE OF NEW JERSEY

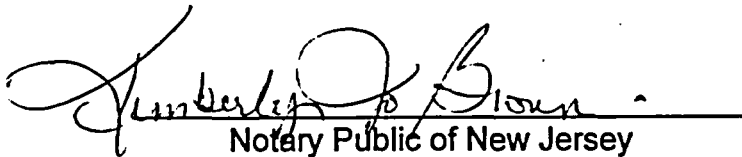
I, John Carlin, of full age, being duly sworn according to law, upon my oath depose and say:

1. I am the Vice President, Nuclear Assessments for PSEG Nuclear, and as such am authorized to sign Hope Creek's Surface Water Discharge Waste Characterization Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
3. The signature on the attached Surface Water Discharge Waste Characterization Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.



John Carlin  
Vice President – Nuclear Assessments

Subscribed and Sworn to before me  
this 15<sup>th</sup> day of December, 2003.



Notary Public of New Jersey

My Commission expires on \_\_\_\_\_  
**Kimberly J. Brown**  
**Notary Public of New Jersey**  
**My Commission Expires June 16, 2008**

New Jersey Department of Environmental Protection  
 Division of Water Quality

PI 46815

Surface Water Discharge Waste Characterization Report Submittal Form

NJPDES PERMIT  NJ0025411	MONITORING PERIOD						MONITORED LOCATION:  461C - DSN 461C - DSW i
	Month 9	Day 1	Year 2003	To	Month 11	Day 30	

**PERMITTEE:**

PSEG NUCLEAR LLC  
 PO BOX 236/N21  
 ALLOWAY CREEK NECK RD  
 HANCOCKS BRIDGE, NJ 08038

**LOCATION OF ACTIVITY:**

HOPE CREEK GENERATING  
 STATION  
 ARTIFICIAL ISLAND  
 FOOT OF BUTTONWOOD RD  
 LOWER ALLOWAYS CREEK, NJ  
 08038-0000

**REPORT RECIPIENT:**

PSE&G  
 P.O. BOX 236/N21  
 HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE:  No Discharge this Monitoring Period  Monitoring Report Comments Attached

**WHO MUST SIGN** The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50,000 per violation.

*John Carlin V.P. Nuclear Assessments*  
 \_\_\_\_\_  
 NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT GRADE AND REGISTRY NUMBER (IF APPLICABLE)

*[Signature]*  
 \_\_\_\_\_  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT DATE (MONTH / DAY / YEAR) AREA CODE / TELEPHONE NUMBER

*12/15/2003* *856-339-5500*

\*For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.

\_\_\_\_\_  
 NAME AND TITLE SIGNATURE

\_\_\_\_\_  
 DATE AREA CODE/PHONE NUMBER

# Surface Water Discharge Waste Characterization Report PI 46815

**PERMIT NUMBER:** NJ0025411    
**MONITORED LOCATION:** 461C DSN 461C - DSW Intern    
**MONITORING PERIOD:** 9/1/2003 TO 11/30/2003    
**FACILITY NAME:** HOPE CREEK GENERATING STATION

**SAMPLE DATE OF REPORT:** 10/14/03

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Nitrogen, Ammonia Total (as N) 00610 Effluent Gross Value	0.25	UG/L		COMP24
Zinc, Total Recoverable 01094 Effluent Gross Value	11.3	UG/L		COMP24
Cadmium, Total Recoverable 01113 Effluent Gross Value	0.245	UG/L	J	COMP24
Copper, Total Recoverable 01119 Effluent Gross Value	23.2	UG/L		COMP24
Lab Certification # 99999 Lab	CT 410			NOT AP
Lab Certification # 99999 Lab	WA 004			NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Reg'n 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

New Jersey Department of Environmental Protection  
Division of Water Quality

PI 46815

Surface Water Discharge Waste Characterization Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
	Month	Day	Year	To	Month	Day		Year
NJ0025411	9	1	2003		11	30	2003	462B - dsn 462B - dsw out

**PERMITTEE:**

PSEG NUCLEAR LLC  
PO BOX 236/N21  
ALLOWAY CREEK NECK RD  
HANCOCKS BRIDGE, NJ 08038

**LOCATION OF ACTIVITY:**

HOPE CREEK GENERATING  
STATION  
ARTIFICIAL ISLAND  
FOOT OF BUTTONWOOD RD  
LOWER ALLOWAYS CREEK, NJ  
08038-0000

**REPORT RECIPIENT:**

PSE&G  
P.O. BOX 236/N21  
HANCOCKS BRIDGE, NJ 08038

REGION / COUNTY: Southern / Salem County

CHECK IF APPLICABLE:  No Discharge this Monitoring Period  Monitoring Report Comments Attached

**WHO MUST SIGN** The highest ranking official having day-to-day managerial and operational responsibilities for the discharging facility shall sign the certification or, in his absence a person designated by that person. For a local agency, the highest ranking operator of the treatment works shall sign the certification. Where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall also sign the second certification at the bottom of this page. If the local agency has contracted with another entity to operate the treatment works, the highest-ranking official of the contracted entity shall sign the certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50,000 per violation.

John Carlin V.P. Nuclear Assessments  
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT GRADE AND REGISTRY NUMBER (IF APPLICABLE)

[Signature]  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT DATE (MONTH / DAY / YEAR) AREA CODE / TELEPHONE NUMBER

12/15/2003 856-339-5500

\*For a local agency where the highest ranking operator does not have the ability to authorize capital expenditures and hire personnel, a person having that responsibility or person designated by that person shall sign the following certification:

I certify under penalty of law and in accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the attached discharge monitoring reports.

NAME AND TITLE SIGNATURE

DATE AREA CODE/PHONE NUMBER

# Surface Water Discharge Waste Characterization Report PI 46815

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0025411 462B dsn 462B - dsw outfall 9/1/2003 TO 11/30/2003 HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 10/14/03

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Cyanide, Total (as CN) 00720 Effluent Gross Value	17.8	UG/L		GRAB
Nickel, Total Recoverable 01074 Effluent Gross Value	5.30	UG/L	J	COMP24
Zinc, Total Recoverable 01094 Effluent Gross Value	277	UG/L		COMP24
Cadmium, Total Recoverable 01113 Effluent Gross Value	0.417	UG/L	J	COMP24
Chromium, Total Recoverable 01118 Effluent Gross Value	1.60	UG/L	J	COMP24
Copper, Total Recoverable 01119 Effluent Gross Value	63.55	UG/L		COMP24
Lab Certification # 99999 Lab	CT 410			NOT AP
Lab Certification # 99999 Lab	WA 004			NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP
Lab Certification # 99999 Lab				NOT AP

Comments: If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Regin 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".