

LR-E03-0229

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0003 6394 4645

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

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE MONITORING REPORT HOPE CREEK GENERATING STATION NJPDES PERMIT NJ0025411

Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of April 2003.

This report is required by and prepared specifically for the Environmental Protection Agency (EPA) and the New Jersey Department of Environmental Protection (NJDEP). It presents only the observed results of measurements and analyses required to be performed by the above agencies. The choice of the measurement devices and analytical methods are controlled by the EPA and the NJDEP, not by the company, and there are limitations on the accuracy of such measurement devices and analytical techniques even when used and maintained as required. Accordingly, this report is not intended as an assertion that any instrument has measured, or that any reading or analytical result represents the true value with absolute accuracy, nor is it an endorsement of the suitability of any analytical or measurement procedure.

If you have any questions concerning this report, please feel free to contact J. Serfass

Sincere

at (856) 339-5411.

Timothy J. O'Connor

V*i*ce President - Operations

IE25

### LR-E03-0229 NJPDES DMR

#### Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Vice President - Operations
Manager - Nuclear Safety & Licensing
Christopher McAuliffe, Esq.
D. K. Hurka
E. J. Keating
J. Buchanan
J. Serfass
A. Nurk
NJPDES Tech
NBS Room, MC N64
Chem File HCH 2003-023
Env Lic File 2.1.6 HC Book

### LR-E03-0229 NJPDES DMR

#### **EXPLANATION OF CONDITIONS**

### April 2003

The following explanations are included to clarify possible deviation from permit conditions.

General - The columns labeled "No. Ex" on the enclosed DMR tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

Deviations from required sampling, analysis monitoring and reporting methods and periodicities are noted on the respective transmittal sheet.

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories, the December 1993 revision of the NJDEP DMR Instruction Manual and specific guidance from DEP personnel.

LR-E03-0229 NJPDES DMR

**EXPLANATION OF EXCEEDANCES** 

April 2003

See attached Five Day Report

MAY 2 2003

LRE-03-0206

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER 7001 1140 0002 6726 5114

Administrator of Water Compliance and Enforcement New Jersey Department of Environmental Protection 401 East State Street, 4<sup>th</sup> Floor East PO Box 422 Trenton, NJ 08625-0422

HOPE CREEK GENERATING STATION
NJPDES PERMIT NUMBER NJ0025411
FIVE DAY REPORT
CASE NUMBER 03-04-28-1546-59

Dear Sir:

In accordance with N.J.A.C. 7:14A-6.10, PSEG Nuclear has prepared this report confirming the discharge to the Delaware River of approximately 60 gallons of untreated sewage. The discharge resulted from a power failure of the #2 lift station due to localized electrical problems. This failure caused untreated sewage to back up in the collection system and overflow a manway into a storm drain approximetly 20 feet away. This storm drain lead to a discharge to the Delaware River via DSN 463A.

The discharge was reported to the New Jersey Department of Environmental Protection ("NJDEP") Hotline and assigned Case No. 03-04-28-1546-59.

Operations personnel discovered the discharge at 1413 hours on April 28, 2003. It is unknown when the discharge began. Upon discovery of the overflow to the storm drain, Operations personnel immediately restored power to the lift station and the flow stopped at 1417. A vaccum truck was used to remove excess sewage from the lift station to prevent further overflow

In order to prevent reoccurrence, PSEG will evaluate and repair the electrical system to the #2 lift station. As a defense in depth measure PSEG will have the vaccum truck available to maintain normal level in the lift station as the electrical system is repaired.

Water Compliance and Enforcement LRE-03-0206

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Should you have any additional comments or questions regarding this matter, please contact Mr. Clifton D. Gibson of my staff at (856) 339-2686.

Sincerely,

Original signed and on file

James Eggers Environmental Licensing Supervisor

C Mr. Steve Mathis
NJDEP
Southern Regional Office
1 Port Center, 2 Riverside Drive
Suite 201
Camden, NJ 08103

### COUNTY OF SALEM STATE OF NEW JERSEY

- I, Timothy J. O'Connor, of full age, being duly sworn according to law, upon my oath depose and say:
- 1. I am the Vice President, Operations for PSEG Nuclear, and as such am authorized to sign Hope Creek's Discharge Monitoring 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 Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.

Timothy J/ O'Connor

Vice Pfesident - Operations

Sworn and subscribed before me this  $19^{1/4}$  day of May 2003.

JENNIFER M. TURNER NOTARY PUBLIC OF NEW JERSEY My Commission Expires July 25, 2005

# New Jersey Department of Environmental Protection Division of Water Quality

# Surface Water Discharge Monitoring Report Submittal Form

	MONITORING PERIOD	MONITORED LOCATION:
NJ0025411	Month         Day         Year           4         1         2003         To         4         30         2003         4	161A - DSN 461A - dsw
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK R HANCOCKS BRIDGE, NJ 08		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 R	eport Comments Attached
ne certification. Where the higher eponsibility or person designates nother entity to operate the treat certify under penalty of law that hat, based on my inquiry of tho	e a person designated by that person. For a local agency, the highest ratest ranking operator does not have the ability to authorize capital experted by that person shall also sign the second certification at the bottom of ment works, the highest-ranking official of the contracted entity shall start I have personally examined and am familiar with the information size individuals immediately responsible for obtaining the information, are significant penalties for submitting false information, including the	nditures and hire personnel, a person having that f this page. If the local agency has contracted with sign the certification.  submitted in this document and all attachments, and it believe that the information is true, accurate and
o N.J.A.C. 7:14A-6.9(B). The N	New Jersey Water Pollution Control Act provides for penalties up to \$5	
o N.J.A.C. 7:14A-6.9(B). The N Timothy J. O'Connor, Vice	New Jersey Water Pollution Control Act provides for penalties up to \$5	50,000 per violation.  N/A
Timothy J. O'Connor, Vice Timothy J. O'Connor, Vice TAME AND TITLE OF PRINCIPAL IGNATURE OF PRINCIPAL EXEC For a local agency where the high	New Jersey Water Pollution Control Act provides for penalties up to \$5 e-President - Operations executive officer, Authorized Agent, or *Licensed Operator utive officer, Authorized Agent, or *Licensed Operator est ranking operator does not have the ability to authorize capital expenditure	S0,000 per violation.  N/A  GRADE AND REGISTRY NUMBER (IF APPLICABLE)  856-339-2900  DATE  AREA CODE/PHONE NUMBER
Timothy J. O'Connor, Vice Name and Title of Principal Signature of Principal executions and agency where the high person designated by that person shows	New Jersey Water Pollution Control Act provides for penalties up to \$5 e-President - Operations executive officer, Authorized Agent, or *Licensed Operator utive officer, Authorized Agent, or *Licensed Operator est ranking operator does not have the ability to authorize capital expenditure	SO,000 per violation.  N/A  GRADE AND REGISTRY NUMBER (IF APPLICABLE)  856-339-2900  DATE  AREA CODE/PHONE NUMBER  res and hire personnel, a person having that responsibility

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

4/1/2003 TO 4/30/2003

HOPE CREEK GENERATING STATION

PARAMETER	$\times$	QUANTITY (	OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	42.754	75.600		*****	*****	*****		0	Continuous	Meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD		******	*****	*****		Continuous	METER
	MOL								10.50		
рН	SAMPLE MEASUREMENT	*****	*****		7.5	****	8.7	,	0	Week	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	erane	*****	6.0 01DAMN	•••••	9.0 01DAMX	su		1/Week	GRAB
	MDL			· · · · · · · · · · · · · · · · · · ·	(##1)						
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	*****	*****		****	<0.1	<0.1		0	3 Week	Grab
*CPOX 1 Effluent Gross Value	PERMIT REQUIREMENT	Services Company of the Company of t	ereses.	*****	**************************************	0,2 • 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
	MDL	and the second s									100 mg 100 m
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		****	15.6	21,2		0	Continuous	Meter
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	******	<b>3-465-8</b>	****	*****	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
	MOL										
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	11.8	14.7		0	Continuou	Meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	******	and the	*****	******	REPORT	REPORT 01DAMX	DEG.C		Continuous	METER
	MOL										
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	4,3	4.3		O	Month	Grab
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	******	*****	*****	•••••	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	MDL										

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

4/1/2003 TO 4/30/2003

HOPE CREEK GENERATING STATION

1100025411		DOIT-10171 41									
PARAMETER	X	QUANTITY	OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	1.5	1.5		0	Month	Caleta
00680 2 Effluent Net Value	PERUIT REQUIREMENT	*****	44444	*****	#*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
	MDL						X 7 L 3 7 L 4 7 L		11.724		(
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	1.8	1.8		0	Month	Grab
00680 7 Intake From Stream	PERMIT REQUIREMENT		*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	MOL								1000 M		
Heat (winter) (per Hr.)	SAMPLE MEASUREMENT	18	238		*****	*****	*****		0	Day	Caletal
81387 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX	MBTU/HR	********	*****		*****		1/Day	CALCTD
	MOL										
Lab Certification #	SAMPLE MEASUREMENT	17451	77343		06431				0	NotApplia	NoTAP
99999 99 Lab	PERMIT REQUIREMENT	REPORTLab.#	REPORT Lab#		REPORT	REPORT Lab#	REPORT Lab#			Not Applic	NOT AP
	W/_MOL				*				15.70		

### New Jersey Department of Environmental Protection Division of Water Quality

## Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD MONITORED LOCATION:
NJ0025411	Month         Day         Year           4         1         2003         To         4         30         2003         461C - DSN 461C - DSW internal
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK I	LOCATION OF ACTIVITY:  HOPE CREEK GENERATING STATION ARTIFICIAL ISLAND  FOOT OF BUTTONWOOD RD  REPORT RECIPIENT:  PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038

LOWER ALLOWAYS CREEK, NJ 08038-0000

REGION / COUNTY: Southern / Salem County

HANCOCKS BRIDGE, NJ 08038

CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring Rep	ort Comments Att	ached
the certification or, in his absence the certification. Where the higher reponsibility or person designate	It ranking official having day-to-day managerial and operational responsi- e a person designated by that person. For a local agency, the highest rank- est ranking operator does not have the ability to authorize capital expendi- d by that person shall also sign the second certification at the bottom of the ment works, the highest-ranking official of the contracted entity shall sign	ing operator of the t tures and hire perso his page. If the loca	reatment works shall sign nnel, a person having that
that, based on my inquiry of the complete. I am aware that there	at I have personally examined and am familiar with the information sub se individuals immediately responsible for obtaining the information, I are significant penalties for submitting false information, including the New Jersey Water Pollution Control Act provides for penalties up to \$50,	believe that the info possibility of fine a	ormation is true, accurate and
Timothy J. O'Connor, Vice	Fresident – Operations		N/A
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REG	ISTRY NUMBER (IF APPLICABLE) 856-339-2900
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	BATE	AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sh	est ranking operator does not have the ability to authorize capital expenditures all sign the following certification:	and hire personnel, o	a person having that responsibility or
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 att	tached discharge moni	toring reports.
N/A	N/A	. N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

4/1/2003 TO 4/30/2003

HOPE CREEK GENERATING STATION

		<del></del>			<del></del>						
PARAMETER	$\sim$	QUANTITY (	OR LOADING	UNITS	QUALI	TY OR CONCENTR	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.062	0,280		*****	*****	*****		0	Continuous	Meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD		*****	******	*****		Continuous	METER
	MOL		*:			2.447. 7733.15			70.5		
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	****		*****	15	13		0	month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	***********	******	*****	*****	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
	MDL :								4.75		
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	*****	*****	]	*****	<1	<1		0	2/month	Grab
45501 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******			10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
	MOL										
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	4	4		0	month	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	******	. >*****	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
	MOL								4.0		
Lab Certification #	SAMPLE MEASUREMENT	17451	11343		06431				0	Not Applic	Not AP
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab#		REPORT Lab#	REPORT Lab#	REPORT			Not Applic	NOT.AP
	MOL										

### New Jersey Department of Environmental Protection Division of Water Quality

## Surface Water Discharge Monitoring Report Submittal Form

		•
NJPDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:
NJ0025411	Month         Day         Year           4         1         2003         To         4         30         2003	462B - dsn 462B - dsw outfall
PERMITTEE: PSEG NUCLEAR LLC	LOCATION OF ACTIVITY: HOPE CREEK GENERATING STATION ARTIFICIAL ISLAND	REPORT RECIPIENT: PSE&G P.O. BOX 236/N21

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

**CHECK IF APPLICABLE:** 

FOOT OF BUTTONWOOD RD LOWER ALLOWAYS CREEK, NJ 08038-0000

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

**Monitoring Report Comments Attached** 

REGION / COUNTY: Southern / Salem County

No Discharge this Monitoring Period

the certification or, in his absence the certification. Where the highes reponsibility or person designated another entity to operate the treatm I certify under penalty of law that that, based on my inquiry of those complete. I am aware that there a	ranking official having day-to-day managerial and operational respons a person designated by that person. For a local agency, the highest rank tranking operator does not have the ability to authorize capital expend by that person shall also sign the second certification at the bottom of the nent works, the highest-ranking official of the contracted entity shall sign. I have personally examined and am familiar with the information subset individuals immediately responsible for obtaining the information, I are significant penalties for submitting false information, including the tew Jersey Water Pollution Control Act provides for penalties up to \$50	king operator of the litures and hire personant in the local graph the certification. In this document in the life possibility of fine a	treatment works shall sign onnel, a person having that al agency has contracted with ment and all attachments, and formation is true, accurate and
Timothy J. O'Connor, Vice-P	resident – Operations		N/A
NAME AND TITLE OF PRINCIPALE	XECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REG	ISTRY NUMBER (IF APPLICABLE) 856-339-2900
SIGNATURE OF PRINCIPAL EXECU	TWEOFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
*For a local agency where the highe person designated by that person shall	f vanking operator does not have the ability to authorize capital expenditure is ign the following certification:	s and hire personnel,	a person having that responsibility or
I certify under penalty of law and in a	ccordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the a	ttached discharge mon	itoring reports.
N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

4/1/2003 TO 4/30/2003

HOPE CREEK GENERATING STATION

PARAMETER QUANTITY OR LOADING UNITS QUALITY OR CONCENTRATION UNITS EX. A	FREQ. OF	SAMPLE
Flow In Conduit on	ANALYSIS	TYPE
Flow, In Conduit or Thru Treatment Plant  SAMPLE MEASUREMENT 0.016 0.026	Day	Meter
50050 1 Effluent Gross Value  REQUIREMENT. O1MOAV 01DAMX MOL	1/Day	METER
BOD. 5-Day (20 oC)	Month	Compos
Raw Sew/Influent REQUIREMENT STREET S	1/Month	COMPOS
MOL		27. ma. / em markini
BOD, 5-Day (20 oC) SAMPLE MEASUREMENT C C C	Month	Compos
00310 1  Effluent Gross Value  8 REPORT 01MOAV 01WKAV  KG/DAY  ***********************************	1/Month	COMPOS
MOL NOTE TO A STATE OF THE STAT		
BOD, 5-Day (20 oC) SAMPLE MEASUREMENT ****** 97.5	Month	Calctd
00310 K Percent Removal  Percent Removal  87.5  01DAMN  REPORT 01MOAV  PERCENT	1/Month	CALCTD
MOL NO.		
Solids, Total Suspended Suspended Sample MEASUREMENT ****** 430 430	Month	Compos
00530 G  Raw Sew/influent  PERMIT.  REQUIREMENT:  REPORT.  O1MOAV.  O1DAMX  MG/L	1/Month	COMPOS
MOLT NO.		
Solids, Total Suspended Suspended	month	Compos
00530 1  Effluent Gross Value  PERMIT REQUIREMENT STATES S	1/Month	COMPOS
MOL TO THE PARTY OF THE PARTY O		

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

4/1/2003 TO 4/30/2003

HOPE CREEK GENERATING STATION

1400025411		7 USIT 402D - US	W Outlan 7	1112000		HOPE CREI	EN GENERATIN	GSIAI	ON		
PARAMETER		QUANTITY	OR LOADING	UNITS	QUALI	TY OR CONCENTE	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		98	98	*****		0	Month	Calcta
00530 K Percent Removal	PERMIT REQUIREMENT	***************************************	Address	*****	85 01DAMN	REPORT 01MOAV		PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	*****	*****		*****	2.3	2.3		0	Month	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	41141	*****	******	. 10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General	SAMPLE MEASUREMENT	*****	*****		****	160	160		0	1/month	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT MDL	******	\$ }	******	*****	200 - 01MOGE	400 01WKGE *	#/100ML		1/Month	GRAB
Lab Certification #	SAMPLE MEASUREMENT	17451	77343		06431				0	Not Applic	Not AP
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab#		REPORT Lab#	REPORT Lab#	REPORT Lab#			Not Applic	NOT AP
	MOL										