



HCH-2006-064

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7004 2510 0005 2135 6496

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 October 2006.

This report is required by and prepared specifically for 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 Tiffany Baban at (856) 339-2628.

Sincerely,

George P. Barnes

Site Vice President – Hope Creek

IE25

HCH-2006-064 NJPDES DMR

#### Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Site Vice President – Hope Creek
Director – Regulatory Assurance
Christopher McAuliffe, Esq.
T. A. Baban
E. J. Keating
C. E. White
NJPDES Technician

#### **EXPLANATION OF CONDITIONS**

#### October 2006

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.

**EXPLANATION OF EXCEEDANCES** 

October 2006

The following exceedances are included in the attached report and explained below.

DSN No.

**EXPLANATION** 

No Exceedances

COUNTY OF SALEM STATE OF NEW JERSEY

- I, George P. Barnes, of full age, being duly sworn according to law, upon my oath depose and say:
- 1. I am the Site Vice President-Hope Creek 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.

George P. Barnes

Site Vice President - Hope Creek

Sworn and subscribed before me

this day of November 2006.

DELORIS D. HADDEN
Notary Public of New Jersey
My Commission Expires 03/29/2010
1D # 2073649

# 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         Month         Day         Year           10         1         2006         To         10         31         2006	461A - DSN 461A - dsw
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 080	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT:  PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring	Report Comments Attached
the certification or, in his absence the certification. Where the highe reponsibility or person designated another entity to operate the treatr I certify under penalty of law that that, based on my inquiry of thos complete. I am aware that there	tranking official having day-to-day managerial and operational response a person designated by that person. For a local agency, the highest stranking operator does not have the ability to authorize capital explay that person shall also sign the second certification at the bottom ment works, the highest-ranking official of the contracted entity shaut I have personally examined and am familiar with the information is individuals immediately responsible for obtaining the informatic are significant penalties for submitting false information, including the way are yet to control Act provides for penalties up to	ranking operator of the treatment works shall sign penditures and hire personnel, a person having that a of this page. If the local agency has contracted with a submitted in this document and all attachments, and on, I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant
George P. Barnes, S	ite Vice President – Hope Creek	N/A
NAME AND TITLE OF PRINCIPAL E	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO	OR GRADE AND REGISTRY NUMBER (IF APPLICABLE)  2//// 856-339-1952
SIGNATURE OF PRINCIPAL EXECU	JTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER
person designated by that person sha		
· -	accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed t	
N/A	N/A	N/AN/A

DATE

AREA CODE/PHONE NUMBER

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

10/1/2006 TO 10/31/2006

**HOPE CREEK GENERATING STATION** 

PARAMETER		QUANTITY C	DR LOADING	UNITS	QUALI	TY OR CONCENTE	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	46.239	65.045		****	*****	*****		0	continuous	meter
50050 1 Effluent Gross Value	PERMIT. REQUIREMENT	REPORT 01MOAV	REPORT 01 DAMX	MGD	******	Attake Panaka	Landson Annotal	*****		Continuous	METER
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	58.515	74.469		*****	*****	*****		0	Continuous	meter
50050 7 Intake From Stream	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	daktda daktda	Taribas Laktos	**ARTA	****		Continuous	METER
рН	SAMPLE MEASUREMENT	****	****		8.4	*****	8.6		0	Tweek	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	220420 200420	*****	6.0 01 DAMN	ATTACA ATTACA	9.0 01DAMX	su		1/Week	GRAB
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	****	*****		*****	(0,1	<0.i		0	Continuous	Grab
*CPOX 1 Effluent Gross Value	PERMIT REQUIREMENT	erises Hereia	winder	*****	******	0.2 01MOAV 0.1	0.5 01DAMX 0.1	MG/L		Continuous	GRAB
Temperature,	SAMPLE MEASUREMENT	*****	*****		*****	26.5	30,6		0	confinuous	meter.
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	- aktore	WARMS	*****	ANTERA ANTERA	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature,	SAMPLE MEASUREMENT	****	****		*****	19.1	22.6		0	continuous	meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

10/1/2006 TO 10/31/2006

**HOPE CREEK GENERATING STATION** 

1100020411		DOIY 401A - US	•	··	10/01/2000		IN GENERALIN				
PARAMETER		QUANTITY (	OR LOADING	UNITS	QUALI	TY OR CONCENTE	IATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		****	7	7		0	Ymonth	Grab
00680 1 Effluent Gross Value	PERMIT REQUIREMENT.	Assault ******	ATTACKS ATTACK	*****	enteres sectors	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	****		*****	-2	-2		0	1/month	Calctd
00680 2 Effluent Net Value	PERMIT REQUIREMENT QL	*****	******	*******	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	****		****	7	. 7		0	1/month	Grab
00680 7 Intake From Stream	PERMIT REQUIREMENT	******	eteati di	****	**************************************	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB.
Heat (winter) (per Hr.)	SAMPLE MEASUREMENT	207	334		****	****	****		U	1/044	Calctd
81387 1 Effluent Gross Value	PERMIT REQUIREMENT.	REPORT 01MOAV	662 01DAMX	мвти/нг	TANTA I	ARRANA SARANA	*****	*****		1/Day	CALCTD
Lab Certification #	SAMPLE MEASUREMENT	17451	06431					·			
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab #		REPORT Lab#	REPORT Lab #	REPORT Lab #		1	Not Applic	NOT AP

# 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         Month         Day           10         1         2006         To         10         31	Year 2006 461C - DSN 461C - DSW internal
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 NJ 08038-0000
CHECK IF APPLICABLE:	No Discharge this Monitoring Period M	Monitoring Report Comments Attached
the certification. Where the higher reponsibility or person designated another entity to operate the treat. I certify under penalty of law that that, based on my inquiry of those complete. I am aware that there	st ranking operator does not have the ability to authorize of by that person shall also sign the second certification at the ment works, the highest-ranking official of the contracted at I have personally examined and am familiar with the interior individuals immediately responsible for obtaining the individuals immediately responsible for obtaining the	information submitted in this document and all attachments, and information, I believe that the information is true, accurate and in including the possibility of fine and/or imprisonment, pursuant
	Site Vice President – Hope Creek	N/A
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED	
	JTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPE	ERATOR DATE AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sho	est ranking operator does not have the ability to authorize capi ll sign the following certification:	oital expenditures and hire personnel, 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	d reviewed the attached discharge monitoring reports.
N/A	N/A	N/AN/A

DATE

AREA CODE/PHONE NUMBER

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

10/1/2006 TO 10/31/2006

**HOPE CREEK GENERATING STATION** 

PARAMETER		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	0.031	0.104		*****	*****	*****		0	continuous	weter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	******	******	- TARRES	*****		Continuous	METER
Solids, Total Suspended	SAMPLE MEASUREMENT	****	*****		*****	6	6		0	1/month	Compes
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	*****	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	***	****	.`	****	-	2	·	0	2/menth	Grab
45501 1 Effluent Gross Value	PERMIT REQUIREMENT	Attata	*****	*****	******	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		****	5	5		0	1/month	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification #	SAMPLE MEASUREMENT	17451	06431					-			
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab #		REPORT \$ Lab #	REPORT Lab #	REPORT Lab#			Not Applie	NOT AP

# New Jersey Department of Environmental Protection Division of Water Quality

NJPDES PERMIT	M	ONITORING PERIOD	MONITORED LOCATION:
NJ0025411	Month Day	Year         Month         Day         Year           2006         To         10         31         2006	462B - dsn 462B - dsw outfall
ERMITTEE: SE&G NUCLEAR LLC O BOX 236-N21 - ALLOWA D IANCOCKS BRIDGE, NJ 08	038	LOCATION OF ACTIVITY: HOPE CREEK GENERATING STATION ARTIFICIAL ISLAND FOOT OF BUTTONWOOD RD LOWER ALLOWAYS CREEK, NJ 08038 / COUNTY: Southern / Salem County	P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
HECK IF APPLICABLE:		<u> </u>	ng Report Comments Attached
e certification or, in his absence e certification. Where the higher consibility or person designated	e a person designated est ranking operator of the by that person shall	by that person. For a local agency, the higher that person is a local agency, the higher that the ability to authorize capital of	esponsibilities for the discharging facility shall sign est ranking operator of the treatment works shall sign expenditures and hire personnel, a person having that om of this page. If the local agency has contracted with hall sign the certification.

to N.J.A.C. 7:14A-6.9(B). The New Jersey Water Pollution Control Act provides for penalties up to \$50.			iment, pursuant
George P. Barnes, Site Vice President – Hope Creek		N/A	•
George P. Barnes, Site Vice President – Hope Creek  AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR  GRADE AND REGISTRY  J. J		EGISTRY NUMBEF	R (IF APPLICABLE)
Leager Barner	11/17	X 856	6-339-1952
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA COD	E/PHONE NUMBER
*For a local agency where the highest ranking operator does not have the ability to authorize capital expenditure person designated by that person shall sign the following certification:	s and hire personn	el, a person having	that responsibility of
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 at	tached discharge n	nonitoring reports.	
N/A	N/A		N/A

DATE

AREA CODE/PHONE NUMBER

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

10/1/2006 TO 10/31/2006

HOPE CREEK GENERATING STATION

1100020411	4026	asn 4626 - as	w outian i	0/1/2000	10 10/31/2006	HOPE CHE	EK GENERATIN	IGSIAI	ION		
PARAMETER		QUANTITY (	OR LOADING	UNITS	QUALI	TY OR CONCENT	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.030	0.082		****	*****	*****		0	1044	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	MARTER 120014 120014 120014 120014	ARRANET .	SANSE P	*****		1/Day	METER
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	*****	*****		*****	294	294		0	1/month	Compos
00310 G Raw Sew/influent	PERMIT REQUIREMENT.	******	erekte Annes	*****	AAAAAA AAAAA	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	. 0	0		*****	3	3		0	1/month	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	8 01MOAV	REPORT 01WKAV	KG/DAY	SARRA	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	****	*****		99.0	*****	*****		0	1/month	Calctd
00310 K Percent Removal	PERMIT REQUIREMENT	******* ******	effekt.	*****	87.5 01MOAVMN	*****	244552 Antile	PERCENT		1/Month	CALCTD
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	356	356		0	1/month	Compos
00530 G Raw Sew/influent	PERMIT REQUIREMENT	*****	*****	*****	\$48584 \$48468	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	****		****	6	6		0	1/month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	A555A5	ATTACK III	*****	*****	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

10/1/2006 TO 10/31/2006

**HOPE CREEK GENERATING STATION** 

PARAMETER	X	QUANTITY (	QUANTITY OR LOADING UNITS QUALITY OR CONCENTRATION				UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		98	98	****		0	1/month	Calcito
00530 K Percent Removal	PERMIT REQUIREMENT	******	******	*****	85 01MOAVMN	REPORT 01MOAV	*******	PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	****	****		*****	45	<5		0	1/month	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT	******	*****	. *****	*******	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General	SAMPLE MEASUREMENT	****	*****		****	. < 1	۷/		0	1/month	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	*****	200 01MOGE	400 01WKGE	#/100ML		1/Month	GRAB
Lab Certification #	SAMPLE MEASUREMENT	17451	06431								
99999 99 Lab	PERMIT REQUIREMENT QL	REPORT Lab #	REPORT		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

Hope Creek Chemistry P.O.Box 236
Mail Code H-15
Hancocks Bridge NJ 08038



Document Control Desk USNRC

Docket Number: 50-354 Washington, DC. 20555