JAN 2 2 2009

HCH-2009-014



CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7006 0100 0004 0657 6491

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 December 2008.

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 Christopher White at (856) 339-3301.

Sineerely,

George P. Barnes

Site Vice President – Hope Creek

JE25

HCH-2009-014 NJPDES DMR 2

Attachments

C Executive Director, DRBC USNRC - Docket number 50-354

HCH-2009-014 NJPDES DMR 3

#### **EXPLANATION OF CONDITIONS**

#### December 2008

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 2007 revision of the NJDEP Monitoring Report Form Reference Manual and specific guidance from DEP personnel.

HCH-2009-014 NJPDES DMR

**EXPLANATION OF EXCEEDANCES** 

December 2008

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 22 nd day of January 2009.

DELORIS D. HADDEN
Notary Public of New Jersey
My Commission Expires 03/29/2010
ID # 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           12         1         2008         To         12         31         2008	461A - DSN 461A - dsw
PERMITTEE:  PSE&G NUCLEAR LLC  PO BOX 236-N21 - ALLOWA  RD  HANCOCKS BRIDGE, NJ 086	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT:  PSE&G TIFFANY BABAN Maryann McLaughtin P.O. BOX 236 / H15 HANCOCKS BRIDGE, NJ 08038
-CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring	Report Comments Attached
reponsibility or person designated another entity to operate the treating 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 capital explored by 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 information are significant penalties for submitting false information, including few Jersey Water Pollution Control Act provides for penalties up to	n of this page. If the local agency has contracted with all sign the certification.  In submitted in this document and all attachments, and points, I believe that the information is true, accurate and go the possibility of fine and/or imprisonment, pursuant
George P. Barnes, S	ite Vice President – Hope Creek	N/A
NAME AND TITLE OF PRINCIPAL I	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERAT	or grade and registry number (if applicable) $/-22-09 \qquad 856-339-1952$
SIGNATURE OF PRINCIPAL EXECU	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER
*For a local agency where the higher person designated by that person sha	est ranking operator does not have the ability to authorize capital expend ll sign the following certification:	itures and hire personnel, a person having that responsibility o
I certify under penalty of law and in a N/A	accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed N/A	the attached discharge monitoring reports.  N/A  N/A
NAME AND TITLÉ	SIGNATURE	DATE AREA CODE/PHONE NUMBER

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

12/1/2008 TO 12/31/2008

HOPE CREEK GENERATING STATION

NJ0025411	40174	1 DSN 461A - 0	> VV	12/1/2000	10 12/31/2008	HOPE CHE	EN GENERATIN	id SIAI	1014		
PARAMETER.	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	36.102	38.867		****	*****	****		0	cuntinuous.	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	4876A7 272442	******	*****		Continuous	METER
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	49.840	51.100		*****	****	****		0	Esistiva enz	meter
50050 7 Intake From Stream	PERMIT REQUIREMENT QL	REPORT 01MOAV	REPORT 01DAMX	MGD	*******	*****	******	*****		Continuous	METER
pH (6) (6) (7) (7)	0.2002000000000000000000000000000000000	*******	*****		8.6	*****	8.7		0	Week	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT QL	******	*****	*****	6.0 (01 DAMN	AREAAR ******	9.0 01DAMX	su		1/Week	GRAB
Chlorine Produced  Oxidants	SAMPLE MEASUREMENT	**************************************	****		45450 TE 1150	40.1	40.1	-	0	continuous	Grab
*CPOX_1 Effluent Gross Value***	PERMIT REQUIREMENT	********	*****	*****	SARTAA SARTAA	0.2 01MOAV 0.1	0.5 01DAMX 0.1	MG/L ·		Continuous	GRAB
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	21.7	29.4		0	continuous	meter
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	A22842 	START	*****	******	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature,	SAMPLE MEASUREMENT	*****	*****		*****	6.7	8.3		0	continuous	meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	A114A1	*****	*****	PARTIA	REPORT 01MOAV	REPORT 01DAMX	DEG.C	_	Continuous	METER

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

12/1/2008 TO 12/31/2008

**HOPE CREEK GENERATING STATION** 

1100025411		DON TOTA G			10 1201/2000		GENERATIO				
PARAMETER		QUANTITY (	OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	2	2		0	You cont h	Grab
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	0	. 0		0	Ynosth	Ca10+1
00680 2 Effluent Net Value	PERMIT REQUIREMENT	*****	******	*****	ANNEXA Salar and Annexa (Annexa (Annex	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	****		****	2	2		0	Ymo.74 h	Grab
00680 7 Intake From Stream	PERMIT REQUIREMENT QL	******	*****	*****	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	ĞRAB
Heat (winter)	SAMPLE MEASUREMENT	336	490		*****	****	****		0	Youy	Calctd
81387 1 Effluent Gross Value	PERMIT REQUIREMENT QL	REPORT 01MOAV	662 01DAMX	MBTU/HR	TARRA TARRA	******	ANTANA	*****		1/Day	CALCTD
Lab Certification #	SAMPLE MEASUREMENT	17451	PA/66		04653						
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

	MONITORING PERIOD	MONITORED LOCATION:
NJ0025411	Month         Day         Year         Month         Day           12         1         2008         To         12         31	<b>Year 2008 461C - DSN 461C - DSW internal</b>
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOV RD HANCOCKS BRIDGE, NJ	FOOT OF BUTTONWOOD RD	PSE&G THEFANY BABAN Maryann McLaugh In P.O. BOX 236 / H15 HANCOCKS BRIDGE, NJ 08038
	No Discharge this Monitoring Period Mo	my
the certification. Where the hig reponsibility or person designal another entity to operate the treat certify under penalty of law that, based on my inquiry of the	nest ranking operator does not have the ability to authorize ceed by that person shall also sign the second certification at the atment works, the highest-ranking official of the contracted on the personally examined and am familiar with the incose individuals immediately responsible for obtaining the i	iformation submitted in this document and all attachments, and information, I believe that the information is true, accurate and
the certification. Where the higher eponsibility or person designal another entity to operate the treat certify under penalty of law that, based on my inquiry of the complete. I am aware that the	nest ranking operator does not have the ability to authorize ceed by that person shall also sign the second certification at the atment works, the highest-ranking official of the contracted on the personally examined and am familiar with the incose individuals immediately responsible for obtaining the i	capital expenditures and hire personnel, a person having that the bottom of this page. If the local agency has contracted with entity shall sign the certification.  Information submitted in this document and all attachments, and information, I believe that the information is true, accurate and including the possibility of fine and/or imprisonment, pursuant
the certification. Where the higher reponsibility or person designary another entity to operate the tree I certify under penalty of law that, based on my inquiry of the complete. I am aware that the to N.J.A.C. 7:14A-6.9(B). The	nest ranking operator does not have the ability to authorize of the day that person shall also sign the second certification at the atment works, the highest-ranking official of the contracted on the contracted of the personally examined and am familiar with the in ose individuals immediately responsible for obtaining the interest of the contraction, are significant penalties for submitting false information,	capital expenditures and hire personnel, a person having that the bottom of this page. If the local agency has contracted with entity shall sign the certification.  Information submitted in this document and all attachments, and information, I believe that the information is true, accurate and including the possibility of fine and/or imprisonment, pursuant
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the certification. Where the hig eponsibility or person designal mother entity to operate the tree certify under penalty of law that, based on my inquiry of the complete. I am aware that there o N.J.A.C. 7:14A-6.9(B). The George P. Barnes NAME AND TITLE OF PRINCIPA	nest ranking operator does not have the ability to authorize of the day that person shall also sign the second certification at the atment works, the highest-ranking official of the contracted	capital expenditures and hire personnel, a person having that the bottom of this page. If the local agency has contracted with entity shall sign the certification.  Information submitted in this document and all attachments, and information, I believe that the information is true, accurate and including the possibility of fine and/or imprisonment, pursuant ties up to \$50,000 per violation.  N/A  OPERATOR GRADE AND REGISTRY NUMBER (IF APPLICABLE)  1-22-09 856-339-1952
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NAME AND TITLE

SIGNATURE

DATE

AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

12/1/2008 TO 12/31/2008

**HOPE CREEK GENERATING STATION** 

		DON TOTO			10 120172000						,
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	0.051	0.130		*****	*****	*****		0	centina ous	meter
50050 1	PERMIT REQUIREMENT	REPORT	REPORT	MGD	******	*****	*****	*****		Continuous	METER
Effluent Gross Value	QL	01MOAV	01DAMX		******		*****	· ·		1100	
Solids, Total Suspended	SAMPLE MEASUREMENT	****	****		*****	2	2		0	Ymost h	Compes
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	Attack	114414	*****	*****	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Petrol Hydrocarbons,  Total Recoverable	SAMPLE MEASUREMENT	*****	****		****	45	45		0	2/month	Grab
45501 1	PERMIT	******	******	*****	ii) see	10	15	MG/L		2/Month	GRAB
Effluent Gross Value	REQUIREMENT				*****	01MOAV	01DAMX				
v vytany i film	QL	*****	*****	<u> </u>	*****	*****	*****				
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	6	6		0	Ymonth	Compos
00680 1	PERMIT			*****	4.7	REPORT	50	MG/L		1/Month	COMPOS
Effluent Gross Value	REQUIREMENT	\$15555 \$15555	1747/47 244444		Andreas	01MOAV	01DAMX	MIG/L		w a	
Lab Certification #	SAMPLE MEASUREMENT	17451	PA 166		04653			1			
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab #		REPORT Lab#	REPORT Lab#	REPORT Lab#			Not Applic	NOT AP
	QL	*****	*****		*******	*****	ATTAAT				

AREA CODE/PHONE NUMBER

DATE

### 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           12         1         2008         To         12         31         2008	462B - dsn 462B - dsw outfall
PERMITTEE:	LOCATION OF ACTIVITY:	REPORT RECIPIENT:
PSE&G NUCLEAR LLC	HOPE CREEK GENERATING STATION	PSE&G
PO BOX 236-N21 - ALLOWA		TIFFANY BABAN Maryann McLaughlin
RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD LOWER ALLOWAYS CREEK, NJ 08038	P.O. BOX 236 / H15 HANCOCKS BRIDGE, NJ 08038
HANCOCKS BRIDGE, NJ 08	LOWER ALLOWATS CREEK, IN 00030	HANCOCKS BRIDGE, NJ 08038
	REGION / COUNTY: Southern / Salem County	
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitorin	ng Report Comments Attached
HO MUST SIGN The highes	st ranking official having day-to-day managerial and operational re	enoncibilities for the discharging facility shall sign
	stranking official having day to day managerial and operational re	sponsionities for the discharging facility shan sign
<del></del>	e a person designated by that person. For a local agency, the higher	
e certification or, in his absence		st ranking operator of the treatment works shall sign
e certification or, in his absence e certification. Where the highe	e a person designated by that person. For a local agency, the higher	st ranking operator of the treatment works shall sign xpenditures and hire personnel, a person having that
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NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411 - A A THAT COM

462B dsn 462B - dsw outfall

12/1/2008 TO 12/31/2008

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY C	DR LOADING	UNITS	QUALIT	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.015	0.058		*****	****	****		0	1/044	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT:	REPORT 01MOAV	REPORT 01DAMX	MGD	**************************************	ANTONE .	tillette Attiett	*****		1/Day	METER
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	****	*****		*****	284	284		0	1/month	Conpos
00310 G Raw Sew/influent	PERMIT REQUIREMENT	******* - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	*******	*****	sières -	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	ĺ	1		****	14	14		0	Ymonth	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	01MOAV	REPORT 01WKAV	KG/DAY	1 444444 444444	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	****	****		95.2	****	****		0	Ynanth	Calcold
00310 K Percent Removal	PERMIT REQUIREMENT	*****	******	****	87.5 C1MOAVMN	Anna (		PERCENT		1/Month	CALCTD
Solids, Total	SAMPLE MEASUREMENT	****	*****		*****	264	264		0	Month	Compos
00530 G Raw Sew/influent	PERMIT REQUIREMENT	A£23444	******	*****	AAAPAA AAAAA	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	11	u		0	1/menth	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	******	****	******	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS

MONITORED LOCATION:

**MONITORING PERIOD:** 

FACILITY NAME:

NJ002541.1

462B dsn 462B - dsw outfall

12/1/2008 TO 12/31/2008

**HOPE CREEK GENERATING STATION** 

PARAMETER		QUANTITY OR LOADING		UNITS	QUALI	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE		
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		96	96	*****		0	Ymointh.	Calefo
00530 K Percent Removal	PERMIT REQUIREMENT	*****	******	*****	85 01MOAVMN	REPORT 01MOAV	*****	PERCENT	-	1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	*****	*****		*****	8	8		0	Ymenth	G-146
00556 1 Effluent Gross Value	PERMIT REQUIREMENT	Airean Airean Anns	******* ******	*****	*****	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal	SAMPLE MEASUREMENT	*****	****		****	< 10	10		O	Yment h	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT	AND	******	*****	gi: Y	200 01MOGE	400 01WKGE	#/100ML		1/Month	GRAB
Lab Certification #	SAMPLE MEASUREMENT	17451	PA166		06005						
99999 99 _ab	PERMIT REQUIREMENT QL	REPORT Lab #	REPORT Lab #	<u></u>	REPORT Lab #	REPORT Lab#	REPORT Lab #			Not Applic	NOT AP