MAY 22 2008



HCH-2008-075

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7006 0100 0004 0657 6408

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 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.

Sincerely.

George P. Barnes

Site Vice President - Hope Creek

I Eas NRR

Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Site Vice President – Hope Creek
Director – Regulatory Assurance
Christopher McAuliffe, Esq.
E. J. Keating
E. K. West

C. E. White

NJPDES Technician

EXPLANATION OF CONDITIONS

April 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.

EXPLANATION OF EXCEEDANCES

April 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.
- 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 $22 \times d$ day of May 2008.

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 4 1 2008 To 4 30 2008	461A - DSN 461A - dsw
PERMITTEE:	LOCATION OF ACTIVITY:	REPORT RECIPIENT:
PSE&G NUCLEAR LLC	HOPE CREEK GENERATING STATION	PSE&G
PO BOX 236-N21 - ALLOV		TIFFANY BABAN
RD	FOOT OF BUTTONWOOD RD	P.O. BOX 236 / H15
HANCOCKS BRIDGE, NJ	D8038 LOWER ALLOWAYS CREEK, NJ 08038	HANCOCKS BRIDGE, NJ 08038
	REGION / COUNTY: Southern / Salem County	
	<u> </u>	
HECK IF APPLICABLE:	No Discharge this Monitoring Period Monitorin	g Report Comments Attached
onsibility or person designa	hest ranking operator does not have the ability to authorize capital exted by that person shall also sign the second certification at the bottom atment works, the highest-ranking official of the contracted entity shapes.	m of this page. If the local agency has contracted with
onsibility or person designather entity to operate the treextify under penalty of law to based on my inquiry of the plete. I am aware that the	ted by that person shall also sign the second certification at the bottom atment works, the highest-ranking official of the contracted entity shall have personally examined and am familiar with the information to be individuals immediately responsible for obtaining the information are significant penalties for submitting false information, including	penditures and hire personnel, a person having that m of this page. If the local agency has contracted with all sign the certification. on submitted in this document and all attachments, and ion, I believe that the information is true, accurate and g the possibility of fine and/or imprisonment, pursuant
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MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

4/1/2008 TO 4/30/2008

HOPE CREEK GENERATING STATION

•		DON 701A - 03			0 4/30/2000		-IV OFINEITA I III				
PARAMETER	X	QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	35.992	38,840		****	****	*****		0	continuous	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT.	REPORT 01MOAV	REPORT 01DAMX	MGD	******	ATTAKE TRACKE	PARTY ARTENS	*****		Continuous	METER
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	48.204	50.749		*****	*****	*****		0	continuous	meter
50050 7 Intake From Stream	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	ganana S	Arrest 120010	Asker.	*****		Continuous	METER
рН	SAMPLE MEASUREMENT	****	*****		8.5	*****	8.6		0	Yweek	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT	Arrent "I	garante garante	*****	6.0 01DAMN	******	9.0 ,01DAMX	SU	1	1/Week	GRAB
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	****	*****		*****	< 0.1	<0.1		0	continuous	Grab
*CPOX 1 Effluent Gross Value	PERMIT REQUIREMENT	Attent	agains.	*****	Antiba Links	0.2 01MOAV 0.1	0.5 01DAMX 0.1	MG/L		Continuous	GRAB
Temperature,	SAMPLE MEASUREMENT	****	*****		*****	25.3	29.9		Ö	continuous	meter
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	Atrahi.	spanit	*****	aktrak Halisana	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature,	SAMPLE MEASUREMENT	*****	*****		*****	13.4	16.6		0	continuous	meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	A*****	estate	*****	akitas Sama	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

4/1/2008 TO 4/30/2008

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	安全会会	****		常会会会会	2	2		0	1/month	Grab
00680 1 Effluent Gross Value	PERMIT. REQUIREMENT.	Attack Attack	*****	******	SALES STATES	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	****		*****	- 1	- 1		0	Ymonth	Calctd
00680 2 Effluent Net Value	PERMIT REQUIREMENT	**************************************	Treats Grisss	*****	rented Attack	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	· ****	*****		*****	2	2		0	Ymonth	Grib
00680 7 Intake From Stream	PERMIT REQUIREMENT	A	Trease Trease C arenes	*****	******	REPORT 01MOAV	REPORT ,01DAMX	MG/L	, T. C.	1/Month	GRAB
Heat (winter) (per Hr.)	SAMPLE MEASUREMENT	267	393		*****	****	*****		0	1044	Calctd
81387 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX	MBTU/HR	2000000	ATTACK SECRET	Des Charts	*****		1/Day	CALCTD
Lab Certification #	SAMPLE MEASUREMENT	17451	PA 166								
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT Lab#		REPORT Lab #	REPORT (Lab)#	REPORT Lab.#			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 4 1 2008 To 4 30 2008	461C - DSN 461C - DSW internal
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOW RD HANCOCKS BRIDGE, NJ 0	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT: PSE&G TIFFANY BABAN P.O. BOX 236 / H15 HANCOCKS BRIDGE, NJ 08038
	REGION / COUNTY: Southern / Salem County	
CHECK IF APPLICABLE:		Report Comments Attached
	•	of this page. If the local agency has contracted with
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MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

4/1/2008 TO 4/30/2008

HOPE CREEK GENERATING STATION

				Γ	r 				NO.	FREQ. OF	SAMPLE
PARAMETER	\sim	QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	RATION	UNITS	EX.	ANALYSIS	TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.027	0.080		****	****	*****		0	continuous	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	TARREST TARREST TO THE PARTY OF	*****		Continuous	METER
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	5	5		0	Ymonth	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	**************************************	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	****	*****		*****	< <i>5</i>	< 5		0	2/month	Grab
45501 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	History Présent	*****	restes.	10 01MOAV	15 01DAMX	MG/L		2/Month∋	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	5	5		0	Ymonth	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	ACCEST.	**************************************	*****	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification #	SAMPLE MEASUREMENT	17451	PA 166								
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab.#	REPORT (Lab #		REPORT Lab #	REPORT Lab#	REPORT Lab#			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 4 1 2008 To 4 30 2008	462B - dsn 462B - dsw outfall
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOW RD HANCOCKS BRIDGE, NJ 0	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT: PSE&G TIFFANY BABAN P.O. BOX 236 / H15 HANCOCKS BRIDGE, NJ 08038
	REGION / COUNTY: Southern / Salem County	
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring 1	Report Comments Attached
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certify under penalty of law that, based on my inquiry of the omplete. I am aware that there is N.J.A.C. 7:14A-6.9(B). The George P. Barnes ame and title of Principal GNATURE OF PRINCIPAL EXECTOR a local agency where the higherson designated by that person should be considered to the second designated by that person should be considered to the second designated by that person should be considered to the second designated by that person should be considered to the second designated by that person should be considered to the second designated by that person should be considered to the second designated by the second designated designated designated by the second designated des	ed by that person shall also sign the second certification at the bottom of atment works, the highest-ranking official of the contracted entity shall that I have personally examined and am familiar with the information ose individuals immediately responsible for obtaining the information is are significant penalties for submitting false information, including to New Jersey Water Pollution Control Act provides for penalties up to \$ Site Vice President — Hope Creek EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR CUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR these ranking operator does not have the ability to authorize capital expendition	of this page. If the local agency has contracted with sign the certification. Submitted in this document and all attachments, and I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant 50,000 per violation. N/A GRADE AND REGISTRY NUMBER (IF APPLICABLE 5-22-08 856-339-1952 DATE AREA CODE/PHONE NUMBER (IF APPLICABLE AR

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

4/1/2008 TO 4/30/2008

HOPE CREEK GENERATING STATION

<u> </u>						-	-	<u> </u>	NO.	FREQ. OF	SAMPLE
PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	RATION	UNITS	EX.	ANALYSIS	TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.016	0.031		去去年来	****	****		0	1044	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT.	REPORT 01MOAV	REPORT 01DAMX	MGD	STATES STATES	ATTAX	ATTAK	*****		1/Day	METER
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	****	*****		*****	282	282		0	/month	Compos
00310 G Raw Sew/influent	PERMIT. REQUIREMENT.	*****	******	*****	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	((*****	14	14		0	Vinonth	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	8 +01MOAV	REPORT 01WKAV	KG/DAY	PARESTA FARRITO	30 No. 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	*****	*****		95.2	*****	****		0	Ymonth	Calctd
00310 K Percent Removal	PERMIT REQUIREMENT	ANIANI ANIANI	Andrew Andrews	*****	87.5 01MOAVMN	Arres	Estata Attata	PERCENT	12.34	1/Month	CALCTD
Solids, Total Suspended	SAMPLE MEASUREMENT	****	*****		*****	168	168		0	Ymonth	Compos
00530 G Raw Sew/influent	PERMIT REQUIREMENT		Annara Annara Annara	******	and and an	REPORT 01MOAV	REPORT 01DAMX	MG/L	7.4	1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	16	16		0	Ymonth	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT		ATTACE TARGET	*****	AAAAAA A TAAAAA	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS

MONITORED LOCATION:

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HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTR	IATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total Suspended	SAMPLE MEASUREMENT	****	****		90	90	****		0	Ymonth.	Calctd
00530 K Percent Removal	PERMIT REQUIREMENT	*****	275417 276447	*****	85 01MOAVMN	REPORT 01MOAV	TEASTA A	PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	****	****		*****	< <i>5</i>	< 5		0	Ymonth	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	TANKE ATTACK	10. 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General	SAMPLE MEASUREMENT	., *****	*****		****	< 10	< 10 ·		0	1month	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT:	******	100 2 ***********************************	*****	to street	200 01MOGE	400 01WKGE	#/100ML		1/Month	GRAB
Lab Certification #	SAMPLE MEASUREMENT	17451	PA 166		06005						
99999 99 Lab	PERMIT. REQUIREMENT	REPORT Lab #	REPORT Lab #		HEPORT Lab #	REPORT	REPORT Lab #			Not Applic	NOT AP