

JUN 23 2011

HCH-2011-035



CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7006 0100 0004 0656 8960

Department of Environmental Protection
Office of Permit Management
Division of Water Quality
PO Box 420
Trenton, N.J. 08625-0420

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

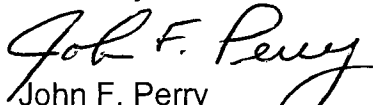
Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of May 2011.

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,


John F. Perry
Site Vice President - Hope Creek

IE 25
NRR

HCH-2011-035
NJPDES DMR

2

JUN 23 2011

Attachments

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

HCH-2011-035
NJPDES DMR

3

EXPLANATION OF CONDITIONS

May 2011

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-2011-035
NJPDES DMR

4

EXPLANATION OF EXCEEDANCES

May 2011

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

DSN No.

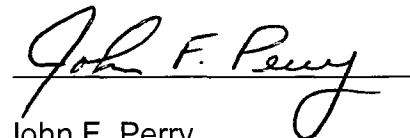
EXPLANATION

No Exceedances

COUNTY OF SALEM
STATE OF NEW JERSEY

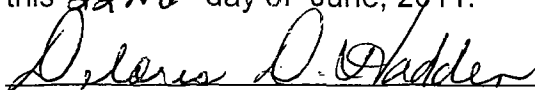
I, John F. Perry, of full age, being duly sworn according to law, upon my oath depose and say:

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.



John F. Perry
Site Vice President – Hope Creek

Sworn and subscribed before me
this 22nd day of June, 2011.



Deloris D. Hadden
Notary Public of New Jersey
My Commission Expires 3/29/2015
ID # 2073649

New Jersey Department of Environmental Protection
 Division of Water Quality
Surface Water Discharge Monitoring Report Submittal Form

PI 46815

NJPDES PERMIT	MONITORING PERIOD				MONITORED LOCATION:												
NJ0025411	<table border="1" style="font-size: small;"> <tr><th>Month</th><th>Day</th><th>Year</th></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">1</td><td style="text-align: center;">2011</td></tr> </table>	Month	Day	Year	5	1	2011	To	<table border="1" style="font-size: small;"> <tr><th>Month</th><th>Day</th><th>Year</th></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">31</td><td style="text-align: center;">2011</td></tr> </table>	Month	Day	Year	5	31	2011	461A – DSN 461A - dsw	
Month	Day	Year															
5	1	2011															
Month	Day	Year															
5	31	2011															

PERMITTEE:

PSE&G NUCLEAR LLC
 PO BOX 236 – 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

REPORT RECIPIENT:

PSE&G
 MARYANN MCLAUGHLIN
 PO BOX 236 / H15
 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.

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John F. Perry, Site Vice President – Hope Creek	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	6-22-11
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE
	856-339-3463
	AREA CODE/PHONE NUMBER

**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 reviewed the attached discharge monitoring reports.

N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 45815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

5/1/2011 TO 5/31/2011

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	38.591	52.181	MGD	*****	*****	*****	*****	0	Continuous	METER	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	*****	Continuous	METER
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
Flow, In Conduit or Thru Treatment Plant 50050 7 Intake From Stream	SAMPLE MEASUREMENT	56.814	70.561	MGD	*****	*****	*****	*****	0	Continuous	METER	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	*****	Continuous	METER
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	8.5	*****	8.7	SU	0	1/WEEK	GRAB	
	PERMIT REQUIREMENT	*****	*****		*****	6.0 01DAMN	*****		9.0 01DAMX	*****	1/Week	GRAB
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.1	<0.1	MG/L	0	Continuous	GRAB	
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.2 01MOAV		0.5 01DAMX	*****	Continuous	GRAB
	RQL	*****	*****		*****	*****	0.1		0.1	*****	*****	*****
Temperature, oC 00010 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	28.4	33.1	DEG.C	0	Continuous	METER	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		36.2 01DAMX	*****	Continuous	METER
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****
Temperature, oC 00010 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.3	24.8	DEG.C	0	Continuous	METER	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	Continuous	METER
	QL	*****	*****		*****	*****	*****		*****	*****	*****	*****

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 "susan.rosenwinkel@dep.state.nj.us".

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

5/1/2011 TO 5/31/2011

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	4.5	4.5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 2 Effluent Net Value	SAMPLE MEASUREMENT	*****	*****		*****	-0.8	-0.8		0	1/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC) 00680 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****		*****	3.5	3.5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Heat (winter) (per Hr.) 81387 1 Effluent Gross Value	SAMPLE MEASUREMENT	198	369		*****	*****	*****		0	1/DAY	CALCTD
	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX	MBTU/HR	*****	*****	*****	*****		1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	PA166		04653	PA010					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

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New Jersey Department of Environmental Protection
 Division of Water Quality
Surface Water Discharge Monitoring Report Submittal Form

PI 46815

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PERMITTEE:
 PSE&G NUCLEAR LLC
 PO BOX 236 – ALLOWAY CREEK NECK RD
 HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
 HOPE CREEK GENERATING STATION
 ARTIFICIAL ISLAND
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 LOWER ALLOWAYS CREEK, NJ 08038

REPORT RECIPIENT:
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 MARYANN MCLAUGHLIN
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John F. Perry, Site Vice President – Hope Creek	N/A
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGISTRY NUMBER (IF APPLICABLE)
	6-22-11
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE
	856-339-3463
	AREA CODE/PHONE NUMBER

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N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 45815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern

5/1/2011 TO 5/31/2011

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	0.020	0.040	MGD	*****	*****	*****	*****	0	Continuous	METER
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	Continuous	METER
	QL	*****	*****		*****	*****	*****		*****		
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	7	7	MG/L	0	1/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	*****	30 01MOAV		100 01DAMX	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****		
Petrol Hydrocarbons, Total Recoverable 45501 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<5	<5	MG/L	0	2/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	*****	10 01MOAV		15 01DAMX	2/Month	GRAB
	QL	*****	*****		*****	*****	*****		*****		
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	7	7	MG/L	0	1/MONTH	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		50 01DAMX	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****		
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	PA166		04653	PA010					
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		REPORT Lab #	Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****		*****		

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Month	Day	Year															
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PERMITTEE:

PSE&G NUCLEAR LLC
 PO BOX 236 – ALLOWAY CREEK NECK RD
 HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:

HOPE CREEK GENERATING STATION
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N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

5/1/2011 TO 5/31/2011

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	0.013	0.035	MGD	*****	*****	*****	*****	0	1/DAY	METER	
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****		*****	1/Day	METER	
	QL	*****	*****		*****	*****	*****		*****			
BOD, 5-Day (20 oC) 00310 G Raw Sew/influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	292	292	MG/L	0	1/MONTH	COMPOS	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****		
BOD, 5-Day (20 oC) 00310 1 Effluent Gross Value	SAMPLE MEASUREMENT	0	0	KG/DAY	*****	3	3	MG/L	0	1/MONTH	COMPOS	
	PERMIT REQUIREMENT	8 01MOAV	REPORT 01WKAV		*****	*****	30 01MOAV		45 01WKAV	*****	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****		
BOD, 5-Day (20 oC) 00310 K Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	98.9	*****	*****	PERCENT	0	1/MONTH	CALCTD	
	PERMIT REQUIREMENT	*****	*****		*****	87.5 01MOAVMN	*****		*****	*****	1/Month	CALCTD
	QL	*****	*****		*****	*****	*****		*****	*****		
Solids, Total Suspended 00530 G Raw Sew/influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	359	359	MG/L	0	1/MONTH	COMPOS	
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT 01MOAV		REPORT 01DAMX	*****	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****		
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	2	2	MG/L	0	1/MONTH	COMPOS	
	PERMIT REQUIREMENT	*****	*****		*****	*****	30 01MOAV		45 01WKAV	*****	1/Month	COMPOS
	QL	*****	*****		*****	*****	*****		*****	*****		

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 "susan.rosenwinkel@dep.state.nj.us".

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 462B dsn 462B - dsw outfall MONITORING PERIOD: 5/1/2011 TO 5/31/2011 FACILITY NAME: HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total Suspended 00530 K Percent Removal	SAMPLE MEASUREMENT	*****	*****		99	99	*****		0	1/MONTH	CALCTD
	PERMIT REQUIREMENT	*****	*****	*****	85 01MOAVMN	REPORT 01MOAV	*****	PERCENT		1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
Oil and Grease 00556 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	<5	<5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Coliform, Fecal General 74055 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1		0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 01MOGE	400 01WKGE	#/100ML		1/Month	GRAB
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	PA166		06005						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

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