

MAR 24 2014



HCH-2014-013

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7012 0470 0001 2518 7388

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 February 2014. Included also are the Consolidated Waste Characterization Reports for DSN 461A, DSN 461C and DSN 462B.

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,

A handwritten signature in black ink that reads "Paul J. Davison".

Paul J. Davison
Site Vice President – Hope Creek

Handwritten initials in black ink. The top part reads "TE25" and the bottom part reads "MRR".

MAR 24 2014

HCH-2014-013
NJPDES DMR

2

Attachments

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

EXPLANATION OF CONDITIONS

February 2014

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 indicated on the respective transmittal sheet with explanations below.

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.

Sampling frequency was increased for DSN-462B due to sample loss during analysis. Sampling frequency was increased for DSN 461C due to a miscommunication with certified vendor laboratory.

Included in this report are data from the Consolidated Waste Characterization Report for DSN 461A sampled in November 2013. Results for the Acute and Chronic Whole Effluent Toxicity tests were reported in the November 2013 DMR, remainder of results and all data is included in this report, full reports being submitted to the NJDEP and DRBC at the addresses listed on pages 7 and 8 of 19, part IV of Hope Creek's NJPDES permit.

MAR 24 2014

HCH-2014-013
NJPDES DMR

4

EXPLANATION OF EXCEEDANCES

February 2014

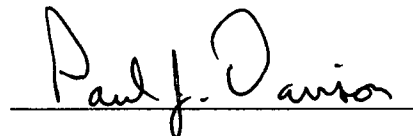
The following exceedances are included in the attached report and explained below.

DSN No.	EXPLANATION
	No Exceedances

COUNTY OF SALEM
STATE OF NEW JERSEY

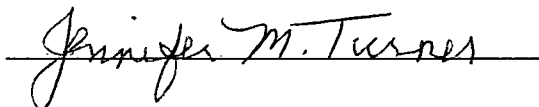
I, Paul J. Davison, of full age, being duly sworn according to law, upon my oath depose and say:

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.



Paul J. Davison
Site Vice President – Hope Creek

Sworn and subscribed before me
this 24 day of March, 2014.



JENNIFER M. TURNER
ID # 2332867
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 8/8/2015

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	Month	Day	Year	To	Month	Day	Year	461A – DSN 461A – DSW
	2	1	2014		2	28	2014	

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
TRAVIS ZIGO
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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, 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)
	3/24/14
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	856-339-1555
	DATE 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 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - DSW

2/1/2014 TO 2/28/2014

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	37.445	40.121	MGD	*****	*****	*****	*****	φ	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	52.523	54.647	MGD	*****	*****	*****	*****	φ	Continuous	METER
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			Continuous	METER
	QL	*****	*****		*****	*****	*****				
pH 00400 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	8.3	*****	8.6	SU	φ	1/Week	GRAB
	PERMIT REQUIREMENT	*****	*****		6.0 01DAMN	*****	9.0 01DAMX			1/Week	GRAB
	QL	*****	*****		*****	*****	*****				
LC50 Statre 96hr Acu Mysid Bahia TAN3E 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code = N	*****	*****	%EFFL	φ	Code = N	Code = N
	PERMIT REQUIREMENT	*****	*****		REPORT 01RPMN	*****	*****			1/Year	COMPOS
	QL	*****	*****		*****	*****	*****				
IC25 Statre 7day Chr Mysid Bahia TBP3E 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	Code = N	*****	*****	%EFFL	φ	Code = N	Code = N
	PERMIT REQUIREMENT	*****	*****		REPORT 01RPMN	*****	*****			1/Year	COMPOS
	QL	*****	*****		*****	*****	*****				
Chlorine Produced Oxidants *CPOX 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.1	20.1	MG/L	φ	3/Week	GRAB
	PERMIT REQUIREMENT	*****	*****		*****	0.2 01MOAV	0.5 01DAMX			3/Week	GRAB
	RQL	*****	*****		*****	0.1	0.1				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - DSW

2/1/2014 TO 2/28/2014

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	18.9	23.4		Ø	Continuous	Meter
00010 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Effluent Gross Value	QL	*****	*****		*****	*****	*****				
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	3.2	5.1		Ø	Continuous	Meter
00010 7	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER
Intake From Stream	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	4.8	4.8		Ø	1/month	Grab
00680 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Effluent Gross Value	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	-0.20	-0.20		Ø	1/month	Calcd
00680 2	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
Effluent Net Value	QL	*****	*****		*****	*****	*****				
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	3.6	3.6		Ø	1/month	Grab
00680 7	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Intake From Stream	QL	*****	*****		*****	*****	*****				
Sulfate, Total (as SO4)	SAMPLE MEASUREMENT	*****	*****		*****	Code=N	Code=N		Ø	Code=N	Code=N
00945 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	UG/L		1/6 Months	COMP24
Effluent Gross Value	QL	*****	*****		*****	*****	*****				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - DSW

2/1/2014 TO 2/28/2014

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Boron, Total (as B) 01022 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code = N	Code = N	UG/L	φ	Code = N	Code = N
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/6 Months	COMPOS
	QL	*****	*****		*****	*****	*****				
Heat (winter) (per Hr.) 81387 1 Effluent Gross Value	SAMPLE MEASUREMENT	367	482	MBTU/HR	*****	*****	*****	*****	φ	1/day	Calctd
	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX		*****	*****	*****			1/Day	CALCTD
	QL	*****	*****		*****	*****	*****				
Copper, Total Recoverable 01119 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	Code = N	Code = N	UG/L	φ	Code = N	Code = N
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/6 Months	COMPOS
	RQL	*****	*****		*****	2	2				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	PA166		06005	03036	PA010				
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

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

PI 46815

NJPDDES PERMIT	MONITORING PERIOD	MONITORED LOCATION:												
NJ0025411	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px;">Month</td><td style="padding: 2px;">Day</td><td style="padding: 2px;">Year</td></tr><tr><td style="text-align: center; padding: 2px;">2</td><td style="text-align: center; padding: 2px;">1</td><td style="text-align: center; padding: 2px;">2014</td></tr></table> To <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px;">Month</td><td style="padding: 2px;">Day</td><td style="padding: 2px;">Year</td></tr><tr><td style="text-align: center; padding: 2px;">2</td><td style="text-align: center; padding: 2px;">28</td><td style="text-align: center; padding: 2px;">2014</td></tr></table>	Month	Day	Year	2	1	2014	Month	Day	Year	2	28	2014	461C - DSN 461C - DSW internal
Month	Day	Year												
2	1	2014												
Month	Day	Year												
2	28	2014												

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:

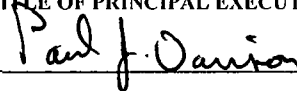
PSE&G
TRAVIS ZIGO
PO BOX 236 / H15
HANCOCKS BRIDGE, NJ 08038

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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, Site Vice President- Hope Creek	N/A
	3/24/14
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE
	856-339-1555
	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 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

2/1/2014 TO 2/28/2014

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	0.051	0.120	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	*****	*****	*****	*****	2	2	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	*****	*****	*****	*****	6	6	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		03036	PA010	06005				
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	*****		*****	*****	*****				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

* See Explanation of Conditions

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="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px;">Month</td><td style="padding: 2px;">Day</td><td style="padding: 2px;">Year</td></tr><tr><td style="text-align: center;">2</td><td style="text-align: center;">1</td><td style="text-align: center;">2014</td></tr></table> To <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="padding: 2px;">Month</td><td style="padding: 2px;">Day</td><td style="padding: 2px;">Year</td></tr><tr><td style="text-align: center;">2</td><td style="text-align: center;">28</td><td style="text-align: center;">2014</td></tr></table>	Month	Day	Year	2	1	2014	Month	Day	Year	2	28	2014	462B - DSN 462B - DSW Internal
Month	Day	Year												
2	1	2014												
Month	Day	Year												
2	28	2014												

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:

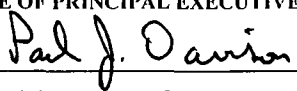
PSE&G
TRAVIS ZIGO
PO BOX 236 / H15
HANCOCKS BRIDGE, NJ 08038

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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, Site Vice President- Hope Creek	N/A
	3/24/14
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE
	856-339-1555
	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 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B DSN 462B - DSW Interna

2/1/2014 TO 2/28/2014

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	0.032	MGD	*****	*****	*****	*****	Ø	Continuous	Meter
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			Continuous	METER
	QL	*****	*****		*****	*****	*****				
BOD, 5-Day (20 oC) 00310 G Raw Sew/influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	424	424	MG/L	Ø	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	2	2	KG/DAY	*****	14	14	MG/L	Ø	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	*****	*****	*****	96.6	*****	*****	PERCENT	Ø	1/month	calctd
	PERMIT REQUIREMENT	*****	*****		87.5 01MOAVMN	*****	*****			1/Month	CALCTD
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 G Raw Sew/influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	615	710	MG/L	Ø	1/month*	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Month	COMPOS
	QL	*****	*****		*****	*****	*****				
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	28	28	MG/L	Ø	1/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	45 01WKAV			1/Month	COMPOS
	QL	*****	*****		*****	*****	*****				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

* See Explanation of Conditions

Surface Water Discharge Monitoring Report

PI 46815

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B DSN 462B - DSW Interna

2/1/2014 TO 2/28/2014

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	*****	*****	*****	96	95	*****	PERCENT	Ø	1/month*	Calctd
	PERMIT REQUIREMENT	*****	*****		85 01MOAVMN	REPORT 01MOAV	*****		1/Month	CALCTD	
	QL	*****	*****		*****	*****	*****				
Oil and Grease 00556 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	45	45	MG/L	Ø	1/month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Nitrogen, Ammonia Total (as N) 00610 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	23	23	MG/L	Ø	1/month	COMPOS
	PERMIT REQUIREMENT	*****	*****		*****	35 01MOAV	REPORT 01DAMX		1/Month	COMPOS	
	QL	*****	*****		*****	*****	*****				
Enterococci 61211 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<10	<10	#/100ML	Ø	1/month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOGE	REPORT 01WKGE		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Coliform, Fecal General 74055 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<10	<10	#/100ML	Ø	1/month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	200 01MOGE	400 01WKGE		1/Month	GRAB	
	QL	*****	*****		*****	*****	*****				
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	PA166		03036	PA010	06005				
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #		Not Applic	NOT AP	
	QL	*****	*****		*****	*****	*****				

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

* See Explanation of Conditions

New Jersey Department of Environmental Protection
Division of Water Quality
Consolidated Waste Characterization Report Submittal Form

PI 46815

NJPDES PERMIT	MONITORING PERIOD							MONITORED LOCATION:
NJ0025411	Month	Day	Year	To	Month	Day	Year	461A - DSN 461A - DSW
	7	1	2013		6	30	2014	

PERMITTEE:

PSE&G NUCLEAR LLC
PO BOX 236 – ALLOWAY CREEK NE
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
TRAVIS ZIGO
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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, Site Vice President – Hope Creek
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, OR
AUTHORIZED AGENT


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT

N/A
GRADE AND REGISTRY NUMBER (IF APPLICABLE)

3/24/14
DATE(MONTH/DAY
/YEAR)

856-339-1555
AREA CODE/TELEPHONE 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
NAME AND TITLE

N/A
DATE

N/A
SIGNATURE

N/A
AREA CODE/PHONE NUMBER

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 461A DSN 461A - DSW MONITORING PERIOD: 7/1/2013 TO 6/30/2014 FACILITY NAME: HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Barium, Total (as Ba) 01007 Effluent Gross Value	RQL = 20	51.2	UG/L		COMP24
Manganese, Total (as Mn) 01055 Effluent Gross Value		176	UG/L		COMP24
Cyanide, Total (as CN) 00720 Effluent Gross Value	RQL = 40	< 4.8	UG/L		GRAB
Arsenic, Total (as As) 01002 Effluent Gross Value	RQL = 8	4.8	UG/L		COMP24
Beryllium, Total (as Be) 01012 Effluent Gross Value	RQL = 20	< 0.17	UG/L		COMP24
Cadmium, Total (as Cd) 01027 Effluent Gross Value	RQL = 4	1.3	UG/L		COMP24
Chromium, Total (as Cr) 01034 Effluent Gross Value	RQL = 10	6.6	UG/L		COMP24
Thallium, Total (as Tl) 01059 Effluent Gross Value	RQL = 10	< 6.6	UG/L		COMP24
Nickel, Total (as Ni) 01067 Effluent Gross Value	RQL = 10	5.1	UG/L		COMP24
Silver, Total (as Ag) 01077 Effluent Gross Value	RQL = 2	< 7.3	UG/L		COMP24
Zinc, Total Recoverable 01094 Effluent Gross Value	RQL = 10	23.9	UG/L		COMP24
Antimony, Total (as Sb) 01097 Effluent Gross Value	RQL = 20	< 9.2	UG/L		COMP24
Lead, Total Recoverable 01114 Effluent Gross Value	RQL = 1	14.4	UG/L		COMP24
Selenium, Total (as Se) 01147 Effluent Gross Value	RQL = 10	27.2	UG/L		COMP24
Chromium, Hexavalent Dissolved (as Cr) 01220 Effluent Gross Value		< 2.4	UG/L		COMP24
Mercury, Total (as Hg) 71900 Effluent Gross Value	RQL = 1	< 0.089	UG/L		COMP24
Acenaphthylene 34200 Effluent Gross Value	RQL = 10	< 0.41	UG/L		COMP24
Acenaphthene 34205 Effluent Gross Value	RQL = 9.5	< 0.38	UG/L		COMP24
Anthracene 34220 Effluent Gross Value	RQL = 10	< 0.43	UG/L		COMP24
Benzo(b)fluoranthene (3,4-benzo) 34230 Effluent Gross Value		< 0.64	UG/L		COMP24
Benzo(k)fluoranthene 34242 Effluent Gross Value	RQL = 20	< 0.46	UG/L		COMP24
Benzo(a)pyrene 34247 Effluent Gross Value	RQL = 20	< 0.40	UG/L		COMP24
Bis(2-chloroethyl) ether 34273 Effluent Gross Value	RQL = 10	< 0.58	UG/L		COMP24

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0025411

461A DSN 461A - DSW

7/1/2013 TO 6/30/2014

HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Bis(2-chloroethoxy) methane 34278 Effluent Gross Value	RQL = 26.5	<0.71	UG/L		COMP24
Bis (2-chloroiso- propyl) ether 34283 Effluent Gross Value	RQL = 10	<0.80	UG/L		COMP24
Butyl benzyl phthalate 34292 Effluent Gross Value	RQL = 20	<0.64	UG/L		COMP24
Chrysene 34320 Effluent Gross Value	RQL = 20	<0.27	UG/L		COMP24
Diethyl phthalate 34336 Effluent Gross Value	RQL = 10	<0.42	UG/L		COMP24
Dimethyl phthalate 34341 Effluent Gross Value	RQL = 10	<0.36	UG/L		COMP24
1,2-Diphenyl- hydrazine 34346 Effluent Gross Value		<0.49	UG/L		COMP24
Fluoranthene 34376 Effluent Gross Value	RQL = 10	<0.27	UG/L		COMP24
Fluorene 34381 Effluent Gross Value	RQL = 10	<0.49	UG/L		COMP24
Hexachlorocyclo- pentadiene 34386 Effluent Gross Value	RQL = 10	<0.44	UG/L		COMP24
Hexachloroethane 34396 Effluent Gross Value	RQL = 10	<0.31	UG/L		COMP24
Indeno(1,2,3-cd)- pyrene 34403 Effluent Gross Value	RQL = 20	<0.33	UG/L		COMP24
Isophorone 34408 Effluent Gross Value	RQL = 10	<0.64	UG/L		COMP24
N-nitrosodi-n- propylamine 34428 Effluent Gross Value	RQL = 20	<0.51	UG/L		COMP24
N-nitrosodiphenyl- amine 34433 Effluent Gross Value	RQL = 20	<0.56	UG/L		COMP24
N-nitrosodimethyl- amine 34438 Effluent Gross Value	RQL = 20	<0.50	UG/L		COMP24
Nitrobenzene 34447 Effluent Gross Value	RQL = 10	<0.46	UG/L		COMP24
Phenanthrene 34461 Effluent Gross Value	RQL = 10	<0.39	UG/L		COMP24
Pyrene 34469 Effluent Gross Value	RQL = 20	<0.36	UG/L		COMP24
Benzo(ghi)perylene 34521 Effluent Gross Value	RQL = 20	<0.46	UG/L		COMP24
Benzo(a)anthracene 34526 Effluent Gross Value	RQL = 10	<0.39	UG/L		COMP24
1,2-Dichlorobenzene 34536 Effluent Gross Value	RQL = 9	<0.23	UG/L		COMP24
1,2,4-Trichloro- benzene 34551 Effluent Gross Value	RQL = 10	<0.37	UG/L		COMP24

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 461A DSN 461A - DSW MONITORING PERIOD: 7/1/2013 TO 6/30/2014 FACILITY NAME: HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Dibenzo(a,h) anthracene 34556 Effluent Gross Value	RQL = 20	<0.59	UG/L		COMP24
1,3-Dichlorobenzene 34566 Effluent Gross Value	RQL = 9	<0.17	UG/L		COMP24
1,4-Dichlorobenzene 34571 Effluent Gross Value	RQL = 20	<0.20	UG/L		COMP24
2-Chloronaphthalene 34581 Effluent Gross Value	RQL = 9.5	<1.1	UG/L		COMP24
Di-n-octyl Phthalate 34596 Effluent Gross Value		<0.62	UG/L		COMP24
2,4-Dinitrotoluene 34611 Effluent Gross Value	RQL = 10	<0.93	UG/L		COMP24
2,6-Dinitrotoluene 34626 Effluent Gross Value	RQL = 9.5	<0.61	UG/L		COMP24
3,3'-Dichloro- benzidine 34631 Effluent Gross Value	RQL = 60	<1.3	UG/L		COMP24
4-Bromophenyl phenyl ether 34636 Effluent Gross Value	RQL = 9.5	<0.33	UG/L		COMP24
Naphthalene 34696 Effluent Gross Value	RQL = 8	<0.35	UG/L		COMP24
Bis(2-ethylhexyl) phthalate 39100 Effluent Gross Value	RQL = 30	<0.72	UG/L		COMP24
Di-n-butyl phthalate 39110 Effluent Gross Value	RQL = 20	<0.64	UG/L		COMP24
Benzidine 39120 Effluent Gross Value	RQL = 50	<0.30	UG/L		COMP24
Hexachlorobenzene 39700 Effluent Gross Value	RQL = 10	<0.58	UG/L		COMP24
Hexachlorobutadiene 39702 Effluent Gross Value	RQL = 10	<0.19	UG/L		COMP24
1,3-Dichloropropene 77163 Effluent Gross Value	RQL = 7	<0.12	UG/L		GRAB
Carbon Tetrachloride 32102 Effluent Gross Value	RQL = 6	<0.14	UG/L		GRAB
1,2-Dichloroethane 32103 Effluent Gross Value	RQL = 1	<0.26	UG/L		GRAB
Bromoform 32104 Effluent Gross Value	RQL = 8	<0.16	UG/L		GRAB
Chloroform 32106 Effluent Gross Value	RQL = 5	<0.11	UG/L		GRAB
Toluene 34010 Effluent Gross Value	RQL = 6	<0.18	UG/L		GRAB
Benzene 34030 Effluent Gross Value	RQL = 7	<0.22	UG/L		GRAB
Acrolein 34210 Effluent Gross Value	RQL = 50	<2.3	UG/L		GRAB

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 461A DSN 461A - DSW MONITORING PERIOD: 7/1/2013 TO 6/30/2014 FACILITY NAME: HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Acrylonitrile 34215 Effluent Gross Value	RQL = 50	<1.1	UG/L		GRAB
Chlorobenzene 34301 Effluent Gross Value	RQL = 6	<0.18	UG/L		GRAB
Chlorodibromomethane 34306 Effluent Gross Value	RQL = 6	<0.14	UG/L		GRAB
Ethylbenzene 34371 Effluent Gross Value	RQL = 6	<0.18	UG/L		GRAB
Methyl Bromide 34413 Effluent Gross Value	RQL = 9	<0.25	UG/L		GRAB
Methyl Chloride 34418 Effluent Gross Value	RQL = 10	<0.27	UG/L		GRAB
Methylene Chloride 34423 Effluent Gross Value	RQL = 6	<0.18	UG/L		GRAB
Tetrachloroethylene 34475 Effluent Gross Value	RQL = 1	<0.19	UG/L		GRAB
Trichlorofluoro- methane 34488 Effluent Gross Value	RQL = 5	<0.20	UG/L		GRAB
1,1-Dichloroethane 34496 Effluent Gross Value	RQL = 23.5	<0.20	UG/L		GRAB
1,1-Dichloroethylene 34501 Effluent Gross Value	RQL = 6	<0.28	UG/L		GRAB
1,1,1-Trichloro- ethane 34506 Effluent Gross Value	RQL = 6	<0.20	UG/L		GRAB
1,1,2-Trichloro- ethane 34511 Effluent Gross Value	RQL = 6	<0.25	UG/L		GRAB
1,1,2,2-Tetrachloro- ethane 34516 Effluent Gross Value	RQL = 10	<0.20	UG/L		GRAB
1,2-Dichloropropane 34541 Effluent Gross Value	RQL = 5	<0.14	UG/L		GRAB
1,2-trans-Dichloro- ethylene 34546 Effluent Gross Value	RQL = 4	<0.21	UG/L		GRAB
2-Chloroethyl Vinyl Ether (Mixed) 34576 Effluent Gross Value		<0.68	UG/L		GRAB
Bromodichloromethane 38693 Effluent Gross Value	RQL = 5	<0.095	UG/L		GRAB
Vinyl Chloride 39175 Effluent Gross Value	RQL = 10	<0.15	UG/L		GRAB
Trichloroethylene 39180 Effluent Gross Value	RQL = 1	<0.19	UG/L		GRAB
Methoxychlor 39480 Effluent Gross Value		<0.0035	UG/L		COMP24
N-Nitrosodi- n-butylamine 73609 Effluent Gross Value		<0.50	UG/L		COMP24
Chloroethane 85811 Effluent Gross Value		<0.25	UG/L		GRAB

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 461A DSN 461A - DSW MONITORING PERIOD: 7/1/2013 TO 6/30/2014 FACILITY NAME: HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Parachloro-m- cresol 34452 Effluent Gross Value		<1.3	UG/L		COMP24
Phenols 46000 Effluent Gross Value		3.9	UG/L		GRAB
Delta BHC, Total (ug/l) 34259 Effluent Gross Value	RQL = 0.02	< 0.0016	UG/L		COMP24
Endosulfan Sulfate 34351 Effluent Gross Value	RQL = 0.08	< 0.0024	UG/L		COMP24
Beta Endosulfan 34356 Effluent Gross Value	RQL = 0.04	< 0.0017	UG/L		COMP24
Alpha Endosulfan 34361 Effluent Gross Value	RQL = 0.02	< 0.0011	UG/L		COMP24
Endrin Aldehyde 34366 Effluent Gross Value	RQL = 0.1	< 0.0034	UG/L		COMP24
2,3,7,8-Tetrachloro- dibenzo-p-dioxin 34675 Effluent Gross Value		< 0.0000104	UG/L		COMP24
4,4'-DDT(p,p'-DDT) 39300 Effluent Gross Value	RQL = 0.06	< 0.0026	UG/L		COMP24
4,4'-DDD(p,p'-DDD) 39310 Effluent Gross Value	RQL = 0.04	< 0.0013	UG/L		COMP24
4,4'-DDE(p,p'-DDE) 39320 Effluent Gross Value	RQL = 0.04	< 0.00087	UG/L		COMP24
Aldrin 39330 Effluent Gross Value	RQL = 0.04	< 0.0017	UG/L		COMP24
Alpha BHC 39336 Effluent Gross Value	RQL = 0.02	< 0.0014	UG/L		COMP24
Beta BHC 39338 Effluent Gross Value	RQL = 0.04	< 0.0032	UG/L		COMP24
Chlordane 39350 Effluent Gross Value	RQL = 0.2	< 0.035	UG/L		COMP24
Dieldrin 39380 Effluent Gross Value	RQL = 0.03	< 0.00089	UG/L		COMP24
Endosulfans, Total (alpha and beta) 39388 Effluent Gross Value		< 0.0028	UG/L		COMP24
Endrin 39390 Effluent Gross Value	RQL = 0.04	< 0.0016	UG/L		COMP24
Toxaphene 39400 Effluent Gross Value	RQL = 1	< 0.049	UG/L		COMP24
Heptachlor 39410 Effluent Gross Value	RQL = 0.02	< 0.0013	UG/L		COMP24
Heptachlor Epoxide 39420 Effluent Gross Value	RQL = 0.4	< 0.00077	UG/L		COMP24
2-Chlorophenol 34586 Effluent Gross Value	RQL = 20	< 1.0	UG/L		COMP24
2-Nitrophenol 34591 Effluent Gross Value	RQL = 18	< 2.0	UG/L		COMP24

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: NJ0025411 MONITORED LOCATION: 461A DSN 461A - DSW MONITORING PERIOD: 7/1/2013 TO 6/30/2014 FACILITY NAME: HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 11/19/13

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
2,4-Dichlorophenol 34601 Effluent Gross Value	RQL = 10	<1.7	UG/L		COMP24
2,4-Dimethylphenol 34606 Effluent Gross Value	RQL = 13.5	<1.8	UG/L		COMP24
2,4-Dinitrophenol 34616 Effluent Gross Value	RQL = 40	<0.97	UG/L		COMP24
2,4,6-Trichloro- phenol 34621 Effluent Gross Value	RQL = 20	<1.4	UG/L		COMP24
4-Chlorophenyl phenyl ether 34641 Effluent Gross Value	RQL = 21	<0.47	UG/L		COMP24
4-Nitrophenol 34646 Effluent Gross Value	RQL = 12	<0.92	UG/L		COMP24
4,6-Dinitro-o-cresol 34657 Effluent Gross Value	RQL = 60	<0.78	UG/L		COMP24
Phenol Single Compound 34694 Effluent Gross Value	RQL = 10	<0.54	UG/L		COMP24
Pentachlorophenol 39032 Effluent Gross Value	RQL = 30	<2.1	UG/L		COMP24
Lab Certification # 99999 Lab		12129			NOT AP
Lab Certification # 99999 Lab		NL013			NOT AP
Lab Certification # 99999 Lab		CT405			NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

New Jersey Department of Environmental Protection
Division of Water Quality
Consolidated Waste Characterization Report Submittal Form

PI 46815

NJPDES PERMIT	MONITORING PERIOD							MONITORED LOCATION:
NJ0025411	Month	Day	Year	To	Month	Day	Year	461C - DSN 461C - DSW i
	1	1	2014		6	30	2014	

PERMITTEE:

PSE&G NUCLEAR LLC
PO BOX 236 – ALLOWAY CREEK NE
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
TRAVIS ZIGO
PO BOX 236 / H15
HANCOCKS BRIDGE, NJ 08038

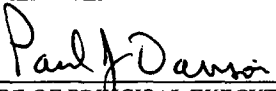
REGION / COUNTY: Southern / Salem County

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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, Site Vice President – Hope Creek
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, OR
AUTHORIZED AGENT


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT

N/A
GRADE AND REGISTRY NUMBER (IF APPLICABLE)

3/24/14
DATE(MONTH/DAY
/YEAR)

856-339-1555
AREA CODE/TELEPHONE 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
NAME AND TITLE
N/A
DATE

N/A
SIGNATURE
N/A
AREA CODE/PHONE NUMBER

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0025411 461C DSN 461C - DSW intern 1/1/2014 TO 6/30/2014 HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 2/4/14

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Nitrogen, Ammonia Total (as N) 00610 Effluent Gross Value		680	UG/L		GRAB
Zinc, Total Recoverable 01094 Effluent Gross Value	RQL = 10	56.7	UG/L		GRAB
Cadmium, Total Recoverable 01113 Effluent Gross Value	RQL = 4	<4.00	UG/L		GRAB
Copper, Total Recoverable 01119 Effluent Gross Value	RQL = 2	48.0	UG/L		GRAB
Dichlorobromomethane 32101 Effluent Gross Value	RQL = 6	<1.00	UG/L		GRAB
Chloroform 32106 Effluent Gross Value	RQL = 5	<1.00	UG/L		GRAB
Lab Certification # 99999 Lab		PA166			NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

New Jersey Department of Environmental Protection
Division of Water Quality
Consolidated Waste Characterization Report Submittal Form

PI 46815

NJPDES PERMIT	MONITORING PERIOD						MONITORED LOCATION:	
NJ0025411	Month	Day	Year	To	Month	Day	Year	462B - DSN 462B - DSW I
	1	1	2014		6	30	2014	

PERMITTEE:

PSE&G NUCLEAR LLC
PO BOX 236 – ALLOWAY CREEK NE
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
TRAVIS ZIGO
PO BOX 236 / H15
HANCOCKS BRIDGE, NJ 08038

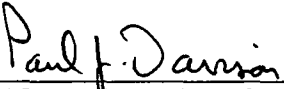
REGION / COUNTY: Southern / Salem County

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.

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 that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of and/or imprisonment, pursuant to N.J.A.C. 7:14A-6.9(B). The New Jersey water Pollution Control Act provides for penalties up to \$50,000 per violation.

Paul J. Davison, Site Vice President – Hope Creek
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER, OR
AUTHORIZED AGENT


SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR
AUTHORIZED AGENT

N/A
GRADE AND REGISTRY NUMBER (IF APPLICABLE)

3/24/14
DATE(MONTH/DAY
/YEAR)

856-339-1555
AREA CODE/TELEPHONE 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
NAME AND TITLE

N/A
DATE

N/A
SIGNATURE

N/A
AREA CODE/PHONE NUMBER

Consolidated Waste Characterization Report

PI 46815

PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0025411

462B DSN 462B - DSW Intern 1/1/2014 TO 6/30/2014

HOPE CREEK GENERATING STATION

SAMPLE DATE OF REPORT: 2/5/14

PARAMETER	QL	REPORTED VALUE	UNITS	REMARK CODE	SAMPLE TYPE
Cyanide, Total (as CN) 00720 Effluent Gross Value	RQL = 40	< 20.0	UG/L		GRAB
Nickel, Total Recoverable 01074 Effluent Gross Value	RQL = 10	< 10.0	UG/L		GRAB
Zinc, Total Recoverable 01094 Effluent Gross Value	RQL = 10	158	UG/L		GRAB
Cadmium, Total Recoverable 01113 Effluent Gross Value	RQL = 4	< 4.00	UG/L		GRAB
Chromium, Total Recoverable 01118 Effluent Gross Value	RQL = 10	< 5.00	UG/L		GRAB
Copper, Total Recoverable 01119 Effluent Gross Value	RQL = 2	41.2	UG/L		GRAB
Lab Certification # 99999 Lab		PA166			NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP
Lab Certification # 99999 Lab					NOT AP

Comments: If there are any questions regarding the monitoring report form, please contact Heather Genievich of the Bureau of Surface Water Permitting at (609) 292-4860.

**NJPDES BIOMONITORING REPORT FORM
CHRONIC TOXICITY TESTS**

NJPDES #: NJ[0025411]

DSN:[461A]

FACILITY NAME:[PSEG Nuclear LLC – Hope Creek Generating Station]

FACILITY LOCATION: [P.O. Box 236, Hancocks Bridge, NJ 08038]

LABORATORY

NAME: [New England Bioassay]

ACUTE TOXICITY ID. /

CERTIFICATION #: [CT405]

DATE OF LAST SRT TEST: [11/19/13] NOEC/IC25 OF LAST SRT TEST: [10.04 mg/L IC25]

CONTROL CHART

MEAN: [13.0 mg/L]

UPPER CONTROL LIMIT: [17.6 mg/L IC25]

LOWER CONTROL LIMIT: [8.3 mg/L IC25]

TEST START DATE: [11/19/13]

TEST END DATE: [11/26/13]

TEST TYPE AND RESULTS (Check applicable test, circle applicable endpoint & fill in NOEC and/or IC25)

___ Fathead minnow, (CN/FM) NOEC[] IC25 []
Method 1000.0 (*Pimephales promelas*, 7 day Larval Survival and Growth Test)

___ Cladoceran, (CN/CD) NOEC [] IC25 []
Method 1002.0 (*Ceriodaphnia dubia*, 3 brood Survival and Reproduction Test)

___ Sheepshead minnow, (CN/SM) NOEC [] IC25 []
Method 1005.0 (*Cyprinodon variegatus*, 7 day Larval Survival and Growth Test)

___ Inland Silverside, (CN/IS) NOEC [] IC25 []
Method 1006.0 (*Menidia beryllina*, 7 day Larval Survival and Growth Test)

X Mysid, (CN/MS) NOEC [100%] IC25 [> 100%]
Method 1007.0 (*Mysidopsis bahia*, 7 day Survival, Growth and Fecundity Test)

___ Alga, (CN/SC) NOEC [] IC25 []
Method 1003.0 (*Selenastrum capricornutum*, Growth Test)

___ Macroalga, (CN/CP) NOEC [] IC 25 []
Method 1009.0 (*Champia parvula*, Sexual Reproduction Test)

CONTROL MORTALITY (Percent): [0%]

Did the test meet the acceptability criteria for the test species as specified in Part III of the Chronic Methods Document? X Yes _____ No

CERTIFICATION:

Accuracy of report certified by:

(Laboratory Manager)

(Date)

NJPDES BIOMONITORING REPORT FORM - ACUTE TOXICITY

Permit No.: NJ[0025411]

DSN [461A]

Facility name: [PSEG Power - Hope Creek Generating Station]

Facility address: [P.O. Box 236]

[Hancocks Bridge, NJ 08038]

Facility contact person: [Mr. Christopher White]

phone #: [(609) 339-1275]

Acute toxicity laboratory: [New England Bioassay]

[77 Batson Drive]

[Manchester, CT 06042]

Acute laboratory certification No.: [CT405]

Test Specifications:

Effluent type (e.g., final, predisinfection): [461A Wastewater]

Test type (check one): Static _____ Renewal (6 hr) _____ Renewal (24 hr) ☒ Flow-through _____

Test Results:

Test starting date: [11/19/13] Completion date: [11/23/13]

Test endpoint (check one): LC50 ☒ NMAT _____ EC50 _____

LC50/EC50 (% effluent): [> 100%] 95% Confidence interval: [100% ± ∞]

Highest percent mortality in any test concentration (if applicable): [5%]

Test concentration: [25%]

Test organism: [Mysid shrimp]; [*Mysidopsis bahia*]
(common name) (scientific name)

Quality Control Summary:


Control mortality: [0]%

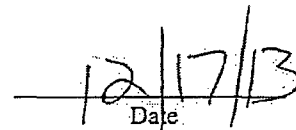
Temperature maintained within 20° ± 2°C? Yes ☒ No _____

Dissolved oxygen levels always greater than 40% saturation? Yes ☒ No _____

Two or more concentrations exhibit a trend deviation? Yes _____ No ☒

Certification:

Accuracy of report certified by: 
Laboratory Manager


Date