NOV 1 5 2007



HCH-2007-113

CERTIFIED MAIL RETURN RECEIPT REQUESTED ARTICLE NUMBER: 7006 0100 0004 0656 8878

Department of Environmental Protection Division of Water Quality Bureau of Permit Management P.O. Box 029 Trenton, N.J. 08625-0029

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

Dear Sir:

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of October 2007.

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

95-2168 REV. 7/99

NOV 1 5 2007

Attachments

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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

October 2007

\$4

The following explanations are included to clarify possible deviation from permit conditions.

General - The columns labeled "No. Ex" on the enclosed DMR tabulate the number of daily discharge values outside the indicated limits.

Data reporting and accuracy reflect the working environment, the design capabilities and reliability of the monitoring instruments and operating equipment.

Deviations from required sampling, analysis monitoring and reporting methods and periodicities are noted on the respective transmittal sheet.

Results reported on the Discharge Monitoring Report forms are consistent with permit limits, data supplied from contract laboratories, the December 1993 revision of the NJDEP DMR Instruction Manual and specific guidance from DEP personnel.

EXPLANATION OF EXCEEDANCES

October 2007

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

4

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 1576 day of November 2007.

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	MONITORE	D LOCATION:
NJ0025411	MonthDayYearMonthDayYear1012007To10312007	461A - DSN 461A	- dsw
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	REPORT REC PSE&G TIFFANY BABAN P.O. BOX 236 / HI HANCOCKS BRID	.5
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring I	Report Comments Attack	ned
the certification or, in his absence the certification. Where the higher reponsibility or person designated another entity to operate the treat I certify under penalty of law that that, based on my inquiry of tho complete. I am aware that there	t ranking official having day-to-day managerial and operational response a person designated by that person. For a local agency, the highest re- est ranking operator does not have the ability to authorize capital expe- d by that person shall also sign the second certification at the bottom of ment works, the highest-ranking official of the contracted entity shall at I have personally examined and am familiar with the information se individuals immediately responsible for obtaining the information are significant penalties for submitting false information, including the New Jersey Water Pollution Control Act provides for penalties up to \$	anking operator of the trea enditures and hire personne of this page. If the local ag isign the certification. submitted in this documen h, I believe that the inform the possibility of fine and/	tment works shall sign el, a person having that gency has contracted with nt and all attachments, and nation is true, accurate and
George P. Barnes, S	Site Vice President – Hope Creek	N/	A
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO	R GRADE AND REGIST	RY NUMBER (IF APPLICABLE) 856-339-1952
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sho	est ranking operator does not have the ability to authorize capital expenditual and the following certification:	ures and hire personnel, a pe	erson having that responsibility or
I certify under penalty of law and in	accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed th	e attached discharge monitor	ing reports.
N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

Surface water Discharge wonitoring neport

PERMI	T NU	IMBE	R:

NJ0025411

MONITORED LOCATION:

461A DSN 461A - dsw

 MONITORING PERIOD:
 FACILITY NAME:

 10/1/2007 TO 10/31/2007
 HOPE CREEK GE

HOPE CREEK GENERATING STATION

PARAMETER	\searrow	QUANTITY C	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	52.060	64,805	- -	*****	*****	****		0.	esontina ous	meter
50050 1 Effluent Gross Value	PERMIT	REPORT 01MOAV	REPORT 01DAMX	MGD	******	******	******	******		Continuous	METER
Flow, In Conduit or	QL SAMPLE MEASUREMENT	56.618	72.933		*****	*****	******		0	icontinuous	Wheter-
Thru Treatment Plant 50050 7 Intake From Stream		REPORT 01MOAV	REPORT 01DAMX	MGD	*****	******		•••••		Continuous	METER
рн	SAMPLE MEASUREMENT	· ****	*****		7.7	****	8.5		0	Yweek	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	6.0 01DAMN	******	9.0 01DAMX	ຣບ		1/Week	GRAB
Chlorine Produced Oxidants	SAMPLE	*****	*****	· ·	<u></u>	<0.1	40.1		0	continu 645	Grab
CPOX 1 Effluent Gross Value		******	*****	*****	******	0.2 01MOAV	0.5 01DAMX	MG/L		Continuous	GRAB
Temperature, oC	SAMPLE MEASUREMENT	******	******			0.1 25.4	0.1 32.6		0	(onthuous	meter
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	******	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	22.7	25.1	<u> </u>	0	eentinuous	meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	A	******	*****	******	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER

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

TYPE

GRAB

NOT AP

Not Applic

PERMIT	NUMBER:

Effluent Gross Value

Lab Certification #

99999 99

Lab

MONITORED LOCATION:

17451

REPORT

Lab #

QL

SAMPLE MEASUREMENT PERMIT

REQUIREMENT

QL

MONITORING PERIOD:

NJ0025411

461A DSN 461A - dsw

10/1/2007 TO 10/31/2007

HOPE CREEK GENERATING STATION

FACILITY NAME:

REPORT

Lab #

REPORT

Lab #

REPORT

Lab #

FREQ. OF SAMPLE NO QUANTITY OR LOADING UNITS QUALITY OR CONCENTRATION UNITS PARAMETER EX. ANALYSIS Carbon, Tot Organic 3 SAMPLE 3 1mointh Grab 0 ***** ***** ***** MEASUREMENT (TOC) 1000 REPORT REPORT 925 1/Month GRAB 00680 1 PERMIT ***** MG/L ***** ***** ****** 01MOAV 01DAMX REQUIREMENT Effluent Gross Value 1410 ***** ****** ***** QL ***** ****** Carbon, Tot Organic Calctd SAMPLE 0 Imosth ***** ***** ***** MEASUREMENT (TOC) REPORT REPORT 1/Month CALCTD 00680 2 PERMIT ****** MG/L ***** ***** REQUIREMENT ****** 01MOAV 01DAMX Effluent Net Value ****** ***** QL ***** ****** ***** C. Stanwart Carbon, Tot Organic 2 2 SAMPLE 0 Imointh Grab ***** ***** ****** MEASUREMENT (TOC) REPORT REPORT 1/Month 00680 7 PERMIT ***** MG/L ***** ****** ***** REQUIREMENT 01MOAV 01DAMX X. Intake From Stream 10 M 10 1 ***** ****** ***** ***** ***** QL Heat (winter) 288 SAMPLE MEASUREMENT 96 0 Calcid 1Day ***** ***** ***** (per Hr.) REPORT 662 1.45 1/Dav CALCTD 81387 1 PERMIT REQUIREMENT MBTU/HR ***** ***** ***** 01MOAV 01DAMX

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".

PA 166

REPORT

Lab #

New Jersey Department of Environmental Protection Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITOR	ED LOCATION:
NJ0025411	Month Day Year Month Day Year 46 10 1 2007 To 10 31 2007 46	1C - DSN 461(C - DSW internal
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	REPORT REC PSE&G TIFFANY BABA P.O. BOX 236 / H HANCOCKS BRI	N H15
	REGION / COUNTY: Southern / Salem County		· · · ·
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring Rep	oort Comments Atta	ched
the certification. Where the higher reponsibility or person designated another entity to operate the treat I certify under penalty of law that that, based on my inquiry of tho complete. I am aware that there	a person designated by that person. For a local agency, the highest rank st ranking operator does not have the ability to authorize capital expendi l by that person shall also sign the second certification at the bottom of the ment works, the highest-ranking official of the contracted entity shall sign at I have personally examined and am familiar with the information sub se individuals immediately responsible for obtaining the information, I are significant penalties for submitting false information, including the lew Jersey Water Pollution Control Act provides for penalties up to \$50,	tures and hire person his page. If the local in the certification. mitted in this docum believe that the infor possibility of fine an	nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and
George P. Barnes, S	ite Vice President – Hope Creek	N	V/A
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	GRADE AND REGIS	TRY NUMBER (IF APPLICABLE)
pecoge P. C	ame	11/15/07	856-339-1952
•	JTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sho	est ranking operator does not have the ability to authorize capital expenditures ll sign the following certification:	and hire personnel, a	person having that responsibility or
I certify under penalty of law and in N/A	accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the at N/A	tached discharge monito	oring reports. N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

PI 46815

Surface water Discharge Monitoring Report

PERMIT	NUMBER:

MONITORED LOCATION:

NJ0025411

461C DSN 461C - DSW interna

MONITORING PERIOD:

FACILITY NAME: 10/1/2007 TO 10/31/2007

HOPE CREEK GENERATING STATION

PARAMETER	\square	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	0.034	0.100		. *****	*****	*****		0	Continuous	Meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	******		******	*****		Continuous	METER
	QL	*****	*****		*****	*****	*****				and the second second
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	2	2		0	Imonth	Compos
00530 1 Effluent Gross Value	PERMIT- REQUIREMENT		******	******	*****	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
	QL	******	*****		******	*****	*****			and the second	
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	*****	*****	· .	*****	1			0	2/month	Grab
45501 1 Effluent Gross Value		******	******	*****	******	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic	SAMPLE	*****	****		*****	7	7		0	Vmonth	compos
00680 1 Effluent Gross Value		******* ******	******	******	*****	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification #	SAMPLE	17451	PA166	× · · ·							
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP
	QL	*****	******		*****	******	*****		1.0		

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".

New Jersey Department of Environmental Protection Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NJPDES PERMIT	MONITORING PERIOD	MONITOR	ED LOCATION:
NJ0025411	Month Day Year Month Day Year 10 1 2007 To 10 31 2007	462B - dsn 462B -	- dsw outfall
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	REPORT REC PSE&G TIFFANY BABAI P.O. BOX 236 / H HANCOCKS BRI	N . 115
	REGION / COUNTY: Southern / Salem County		
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring	g Report Comments Attac	hed
the certification or, in his absence the certification. Where the higher reponsibility or person designated another entity to operate the treat I certify under penalty of law that that, based on my inquiry of tho complete. I am aware that there	t ranking official having day-to-day managerial and operational res a person designated by that person. For a local agency, the highest st ranking operator does not have the ability to authorize capital ex l by that person shall also sign the second certification at the botton ment works, the highest-ranking official of the contracted entity sha at I have personally examined and am familiar with the information se individuals immediately responsible for obtaining the information are significant penalties for submitting false information, including lew Jersey Water Pollution Control Act provides for penalties up to	t ranking operator of the tre penditures and hire personr n of this page. If the local a all sign the certification. n submitted in this docume on, I believe that the infor- g the possibility of fine and	atment works shall sign nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and
George P. Barnes, S	Site Vice President – Hope Creek	Ν	I/A
1	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERAT	OR GRADE AND REGIS	FRY NUMBER (IF APPLICABLE) 856-339-1952
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sho	est ranking operator does not have the ability to authorize capital expend Il sign the following certification:	litures and hire personnel, a j	person having that responsibility or
	accordance with N.J.S.A. $58:10A-6F(5)$ that I have received and reviewed	the attached discharge monito	ring reports.
N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER
			· · · ·

surface water discharge wonitoring neport

PERMIT NUMBER		
NJ0025411	•	

MONITORED LOCATION: 462B dsn 462B - dsw outfall MONITORING PERIOD: FACILITY NAME:

10/1/2007 TO 10/31/2007

HOPE CREEK GENERATING STATION

PARAMETER	\square	QUANTITY C	DR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.021	0.041		*****	*****	*****		0.	10 44	Meter
50050 1 Effluent Gross Value	PERMIT: REQUIREMENT.	REPORT 01MOAV	REPORT 01DAMX	MGD	******	******	******	*****		1/Day	METER
BOD, 5-Day (20 oC)	OL SAMPLE MEASUREMENT	*****	*****		*****	248	. 248		0	Ymonth	Сотроя
00310 G Raw Sew/influent	PERMIT REQUIREMENT	******	*****	******	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	0	Ó	 . 	*****	410	<10		0	Vmonth	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	8 01MOAV	REPORT 01WKAV	KG/DAY	******	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE	****	*****		98.0	*****	*****		0	Knorth	Calctd
00310 K Percent Removal		******	*****	*****	87.5 01MOAVMN	******	******	PERCENT		1/Mönth	CALCTD
Solids, Total	SAMPLE	*****	*****		*****	170	170	<u> </u>	0	Ymorth .	Compes
00530 G Raw Sew/influent	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	4	4		0	Ymonth	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	******	******	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS

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 neport

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

H 40815.

NJ	002	541	1
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462B dsn 462B - dsw outfall

10/1/2007 TO 10/31/2007

HOPE CREEK GENERATING STATION

PARAMETER	$\mathbf{\mathbf{X}}$	QUANTITY	OR LOADING	UNITS	QUALI	TY OR CONCENTR	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		98	98	*****		D	1/mointh	Culctd
00530 K Percent Removal		****** ******	******		85 01MOAVMN	REPORT 01MOAV	*****	PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE	: ******	*****		*****	< 5	< 5		0	Ymonth	Grab
00556 1 Effluent Gross Value		******	******	******	******	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General	SAMPLE MEASUREMENT	****	****		*****	<10	<10		0	Ymorth	Grab
74055 1 Effluent Gross Value		****** ***	*****	*****	*****	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 #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

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".