

LR-E05-0508

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7004 2510 0005 2135 6328

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:

<u>...</u>

Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of September 2005.

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 J. Serfass at (856) 339-5411.

Sincerely,

George P. Barnes

Site Vice President – Hope Creek

TEOS

LR-E05-0508 NJPDES DMR

Attachments

C Executive Director, DRBC 'USNRC - Docket number 50-354
Site Vice President – Hope Creek
Director – Regulatory Assurance
Christopher McAuliffe, Esq.
D. K. Hurka
E. J. Keating
NJPDES Technician
Chem File HCH 2005-049
NBS Room M/C N64

LR-E05-0508 NJPDES DMR

EXPLANATION OF CONDITIONS

September 2005

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

3-176

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.

LR-E05-0508 NJPDES DMR

EXPLANATION OF EXCEEDANCES

September 2005

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

DSN No.

EXPLANATION

No Exceedances

COUNTY OF SALEM STATE OF NEW JERSEY

- I, George P. Barnes, of full age, being duly sworn according to law, upon my oath depose and say:
- 1. I am the Site Vice President-Hope Creek for PSEG Nuclear, and as such am authorized to sign Hope Creek's Discharge Monitoring Reports submitted to the New Jersey Department of Environmental Protection pursuant to the Station's New Jersey Pollutant Discharge Elimination System permit.
- 2. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.
- 3. The signature on the attached Discharge Monitoring Reports is my signature and I am submitting this affidavit in satisfaction of the requirement that my signature be notarized.

George P. Barnes

Site Vice President - Hope Creek

Sworn and subscribed before me

this 2014 day of October 2005.

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 9 1 2005 To 9 30 2005	461A - DSN 461A - dsw
PERMITTEE: PSE&G NUCLEAR LLC ALLOWAY CREEK NECK R 236/N21 HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT: PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
	REGION / COUNTY: Southern / Salem County	
CHECK IF APPLICABLE:	☐ No Discharge this Monitoring Period ☐ Monitoring	Report Comments Attached
reponsibility or person designated another entity to operate the treats I certify under penalty of law that that, based on my inquiry of those complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The N	st ranking operator does not have the ability to authorize capital expension of the person shall also sign the second certification at the bottom 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 few Jersey Water Pollution Control Act provides for penalties up to Site Vice President — Hope Creek	of this page. If the local agency has contracted with l sign the certification. submitted in this document and all attachments, and n, I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant
scorge /	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO	or grade and registry number (if applicable) 10/20/05 856-339-1952
SIGNATURE OF PRINCIPAL EXECU	JTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER
person designated by that person sha		
I certify under penalty of law and in	accordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed the	ne attached discharge monitoring reports.
N/A	N/A	N/AN/A
NAME AND TITLE	SIGNATURE	DATE AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

9/1/2005 TO 9/30/2005

HOPE CREEK GENERATING STATION

1400020411	. 40174	. D5N 401A - 08	3/	1/2003 1	U 9/30/2005		IN GENERATIN	IG SIAI	1014.		•
PARAMETER	\times	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	58.787	62.590		500000	*****	*****		0	continu ous	meter
50050 1 Effluent Gross Value	REQUIREMENT	REPORT OTMOAV	REPORT OIDÁMX	MGD	- 11111					Continuous	METER
Flow, In Conduit or	QL									44	105
Thru Treatment Plant	SAMPLE MEASUREMENT	70,223	75.242		*****	******	*****		0	continuous	meter
50050 7 Intake From Stream	PERMIT IREQUIREMENT	REPORT OTMOAV	HEPORT O DALX	MGD	رشت			•••••		Continuous	Waidi
	COL							ļ · ·			
pH	SAMPLE MEASUREMENT	*****	*****		8.6	*****	8.7		0	Yweek	Grab
00400 1 Effluent Gross Value	PERMIT AND REQUIREMENT	enti.		*****	60 O DAMN		9.0 OIDAMX	su		1/Week	GRAB
Chlorine Produced	QL QL						ROMAN STATE				
Oxidants	SAMPLE MEASUREMENT	eeseek.	*****		******	40.1	40.1		0	continuou	orab
*CPOX 1 Effluent Gross Value	PERMIT REQUIREMENT			*****	ر ششا	02 OIMOAV	0.5 01DAMX	MG/L		Continuous	GRAB?
Temperature,	ROL	AWG.				0.11	0.1	<u> </u>			
oC	SAMPLE MEASUREMENT	*****	******		*****	29.5	33.8		0	continuou	Meter
00010 1 Effluent Gross Value	PERMITA REQUIREMENT	au.		*****	<u>m</u> m.	REPORT OIMOAV	36.2 01DAMX	DEG.C		Continuous	METER
	A OL				W255						
Temperature, oC	SAMPLE MEASUREMENT	*****	*****	:	*****	27.5	28.4		0	Confinuous	meter
00010 7 Intake From Stream	PERMIT AND RECOURSEMENT	oma:	uuu	*****		REPORTS 01MOAV	REPORT: OIDAMX	DEG.C		Carlifficity	्राविद्धाः
	OLS C				The second second			·			

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".

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

9/1/2005 TO 9/30/2005

HOPE CREEK GENERATING STATION

1100025411	K		· · · · · · · · · · · · · · · · · · ·				- COLITATION	G O I A I		·	
PARAMETER	\times	QUANTITY C	OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	6	6		0	Ymonth	Grab
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	and 7		*****		REPORT GIMOAV	REPORT O DAMX	MG/L		ปก์Montin	GRAĐ
<u> </u>	OLAN	//32*********					The second second	<u> </u>			35.55
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****				0	1/month	Calctd
00680 2 Effluent Net Value	PERMIT ST REQUIREMENT		Ē	*****			HEPORT OIDAMX	MG/L		Villoni b	GARQID.
<u> </u>	STOTAN						24 """ "" " " " " " " " " " " " " " " "	·	翻		
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	4	Ч		0	1/month	Grab
00680 7 Intake From Stream	PERMIT DE LE COMPENSATION DE LE	am		*****		ELÉPORT O MOAV	REPORT OIDAMX	MG/L		Willouth	GRAB
	OL CO										
Heat (winter) (per Hr.)	SAMPLE MEASUREMENT	77	228		*****	*****	*****		0	YOAY	Calctd
81387 1 Effluent Gross Value	PERMIT NO REQUIREMENT	REPORT OI MOAV	662 OIDAMX	MBTU/HR		timb.		*****		Aleay.	CALCTD
	NOL WE				************************						
Lab Certification #	SAMPLE MEASUREMENT	17451	06431								
99999 99 Lab	PERMIT AND REQUIREMENT.	REPORT:	(REPORT)		niepolin Liebo	HEPORT Lab.	ineponir Luby)			Not Applie	, NOVAP
	TOL COL			· · · · · · · · · · · · · · · · · · ·	22 N 200 N		Mark				

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".

AREA CODE/PHONE NUMBER

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 9 1 2005 To 9 30 2005	461C - DSN 461C - DSW internal
PERMITTEE: PSE&G NUCLEAR LLC ALLOWAY CREEK NECK R 236/N21 HANCOCKS BRIDGE, NJ 086 CHECK IF APPLICABLE:	FOOT OF BUTTONWOOD RD LOWER ALLOWAYS CREEK, NJ 08038-00 REGION / COUNTY: Southern / Salem County	REPORT RECIPIENT: PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038 000 Report Comments Attached
	ranking official having day-to-day managerial and operational resp	
the certification or, in his absence the certification. Where the highe reponsibility or person designated	a person designated by that person. For a local agency, the highest st ranking operator does not have the ability to authorize capital exp by that person shall also sign the second certification at the bottom nent works, the highest-ranking official of the contracted entity sha	ranking operator of the treatment works shall sign penditures and hire personnel, a person having that of this page. If the local agency has contracted with
that, based on my inquiry of those complete. I am aware that there	t I have personally examined and am familiar with the information e individuals immediately responsible for obtaining the information are significant penalties for submitting false information, including the between the penalties are to be submitted as a penalties up to	on, I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant
George P. Barnes,	Site Vice President – Hope Creek	N/A
Change of R	XECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO	OR GRADE AND REGISTRY NUMBER (IF APPLICABLE) 10/20/05 856-339-1952
SIGNATURE OF PRINCIPAL EXECU	TIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER
*For a local agency where the higher person designated by that person sha	st ranking operator does not have the ability to authorize capital expend Il sign the following certification:	itures and hire personnel, a person having that responsibility or
I certify under penalty of law and in	eccordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed	he attached discharge monitoring reports.
N/A	N/A	N/AN/A

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interns 9/1/2005 TO 9/30/2005

HOPE CREEK GENERATING STATION

NJUU25411	7010	D3N 401C - D3	JAV IIICOTTIC 5/	172003 1	O 3/00/2003	1101 2 01122	K GENERATIN	<u> </u>		<u> </u>	<u>:</u>
PARAMETER		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	0.031	0.080		*****	*****	*****		0	Continuous	weter
50050 1 Effluent Gross Value	PERMIT AN REQUIREMENT	REPORT OIMOAV	REPORT OIDAMX	MGD.			a a	*****		Confinuous	AMETER .
<u> </u>	W.OLA	**************************************	建筑其								
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	9	9		0	1/month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT			*****		01Y0VA 60	100 01DAMX	MG/L		i M onth	(COMPOS
_	CLY						***********				
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	*****	*****		*****	41	41		Ö.	2/month	Grab
45501 1 Effluent Gross Value	AL PERIMIT AS REQUIREMENT COMPANY AND ASSESSMENT	раја,		******	Vicin.	OI MOAV	ÚŠ OIDAMX	MG/L		(2)Month	GRAB!
<u> </u>	会成 OLD						建設到报		趣		
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	9	9		0	Ymonth	Compos
00680 1 Effluent Gross Value	PERMIT AND REQUIREMENT			•••••		FIEPORTI OTMOAV	50 OIDAMX	MG/L		(Month	COMPOS
	404			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			No. of the last				
Lab Certification #	SAMPLE MEASUREMENT	17451	06431								_
99999 99 Lab	REQUIREMENT	REPORT Laby	HEPORT Leisa		(BEPORTS LEBA)	High High	REPORT Lab			(10) Applie	- NOTAP
	OL U								靈		

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	MONITORED LOCATION:
NJ0025411	Month Day Year 9 1 2005 To 9 30 2005	462B - dsn 462B - dsw outfall
PERMITTEE: PSE&G NUCLEAR LLC ALLOWAY CREEK NECK R 236/N21 HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD	REPORT RECIPIENT: PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
	DECION (COUNTY County Calam County	
CHECK IF APPLICABLE:	REGION / COUNTY: Southern / Salem County No Discharge this Monitoring Period Monitoring	Report Comments Attached
the certification. Where the higher reponsibility or person designated another entity to operate the treatment of law that that, based on my inquiry of those complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The N	a a person designated by that person. For a local agency, the highest is tranking operator does not have the ability to authorize capital explict by that person shall also sign the second certification at the bottom ment works, the highest-ranking official of the contracted entity shall it I have personally examined and am familiar with the information is eindividuals 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 Site Vice President — Hope Creek	penditures and hire personnel, a person having that of this page. If the local agency has contracted with a sign the certification. It is submitted in this document and all attachments, and on, I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant
NAME AND TITLE OF PRINCIPAL I	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO 2	OR GRADE AND REGISTRY NUMBER (IF APPLICABLE) 856-339-1952
	JTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE AREA CODE/PHONE NUMBER
person designated by that person sha		
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	he attached discharge monitoring reports. N/A N/A
NAME AND TITLE	N/A SIGNATURE	DATE AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

9/1/2005 TO 9/30/2005

HOPE CREEK GENERATING STATION

NJ0025411	4628	asn 462B - as	w outtail 9	/1/2005 1	O 9/30/2005	HOPE CHEE	K GENEHATIN	GSIAII	ON.	•	·
PARAMETER	>	QUANTITY (OR LOADING	UNITS	QUALI	ry or concentr	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.011	0.028		*****	*****	*****		0	1/044	meter
50050 1 Effluent Gross Value	M PERMIT S REGUIREMENT	REPORT OIMOAV	FilePORIT 01DAMX	MGD .	min.	ши		*****		iloāj	METER
	被QL		GEORGE COMPANY						***		
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	*****	*****		*****	318	318		0	1/month	Compos
00310 G Raw Sew/influent	CA PERMIT S REQUIREMENT	diita	ilo ajub	*****	tmm)	REPORT 01MOAV	REPORT OIDAMX	MG/L		ζίγγομή	CONFOS*
	AN COLUMN	WALL THE PARTY OF	\$400 # 100	. :					耀		
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	0	0		*****	8	8		0	1/month	Compos
00310 1 Effluent Gross Value	PERMIT AND REQUIREMENT	© UMOMIU	REPORT OLWKAV	KG/DAY	imii	30 OIMOAV	OWKW GB	MG/L		amoun.	GOMPOS
	CL				SERVICE SERVIC		1988		翻		MARKET
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	*****	*****		97.3	*****	*****		0	1/month	calctd
00310 K Percent Removal	PERMIT REQUIREMENT	<u></u>	(IIII)	•••••	OIMOYAMIN EME	7 juun (*)		PERCENT	7	i/Month	CALCID
	QL.	400	NOW						7		2000年6月1日
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	252	252		0	1/month	Compos
00530 G Raw Sew/influent	PERMIT DE REQUIREMENT	2000	comp.	*****		III OIT OIMOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
	SE OLDE		F25715-25		100 A 1111 A 115	79.50	WIND THE REAL PROPERTY.		1		
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	7	7		0	Ymonth.	Compos
00530 1 Effluent Gross Value	PERMIT ALL REGULREMENT			******		00 OIMOAV	45 01WKAV	MG/L		1/Month	COMPOS
	MACONIA						KERELLER				

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".

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

9/1/2005 TO 9/30/2005

HOPE CREEK GENERATING STATION

1400025411	402L	usii 4020 - us	W Outrain 5	/ 1/2003 1	0 9/30/2003	HOI L OHL	.K GENERATIN	USIAII	1011		
PARAMETER	\times	QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		97	97	*****		0	1/month	Cslcfd
00530 K Percent Removal	PERMIT			•••••		01MOAV		PERCENT		1/Month	GALGIDA:
Oil and Grease	SAMPLE MEASUREMENT					< 3.2	43.2		0	Viranth	Grab
00556 1 Effluent Gross Value	PERMIT A		is some			ió OIMOAV	OIDAMX	MG/L		4/Month	Grab .
Coliform, Fecal	SAMPLE MEASUREMENT		*****			< 2	< 2		10	1month	Grab
General 74055 1 Effluent Gross Value	PERMIT AND INCOME.	min	mun .	*****	erine (200 OIMOG≡	400 OIWKGE	#/100ML		1///lonth	GiAĐ . '
Lab Certification #	SAMPLE	17451	06431								
99999 99	MEASUREMENT PERMIT REQUIREMENT	REPORT	AREPORTA Lab	•	SREPORTED		REPORT			Not Applic	NOTAP
Lab											

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".