

FEB 1 6 2006

LR-E06-0058

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7004 2510 0005 2135 6373

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 January 2006.

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 Tiffany Baban at (856) 339-2628.

Sincerely,

George P. Barnes

Site Vice President - Hope Creek

IE25

Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Site Vice President – Hope Creek
Director – Regulatory Assurance
Christopher McAuliffe, Esq.
C.D. Gibson
T. A. Baban
E. J. Keating
NJPDES Technician
Chem File HCH 2006-008

3

FEB 1 6 2006

EXPLANATION OF CONDITIONS

January 2006

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.

Continuous monitoring is in place and functioning on DSN-461A for CPO. Electronic recording of that data had been interrupted from December 2nd through January 12th. Daily readings have been obtained verifying monitor performance during that time frame, along with visual checks on all backshifts. Upon discovery, shiftly grabs were initiated to further validate monitor performance. Electronic recording has been restored and shiftly monitor readings continue as a backup.

EXPLANATION OF EXCEEDANCES

January 2006

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

DSN No.

EXPLANATION

No Exceedances

LR-E06-0058 NJPDES DMR

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 /64/ day of February 2006.

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 PER	IOD	MONITOR	ED LOCATION:
NJ0025411	Month Day Year Month 1 1 2006 To 1	Day Year 31 2006	461A - DSN 461A	- dsw
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONW 038 LOWER ALLOWAYS	RATING STATION OOD RD CREEK, NJ 08038-00	REPORT REC PSE&G P.O. BOX 236/N2 HANCOCKS BRI	1
	REGION / COUNTY: Southern /	<u> </u>		
CHECK IF APPLICABLE:	No Discharge this Monitoring Period	Monitoring	Report Comments Attac	ched
the certification. Where the higher reponsibility or person designated another entity to operate the treat I certify under penalty of law that, based on my inquiry of the complete. I am aware that there	e a person designated by that person. For a local stranking operator does not have the ability to by that person shall also sign the second cerment works, the highest-ranking official of that I have personally examined and am familiase individuals immediately responsible for older significant penalties for submitting false lew Jersey Water Pollution Control Act provi	to authorize capital exp tification at the bottom e contracted entity shales ar with the information btaining the information information, including	enditures and hire personn of this page. If the local of Il sign the certification. It submitted in this document, I believe that the infor- the possibility of fine and	nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and
George P. Barnes, Site	Vice President – Hope Creek		N/A	
NAME AND TITLE OF PRINCIPAL I	EXECUTIVE OFFICER, AUTHORIZED AGENT, O	R *LICENSED OPERATO	OR GRADE AND REGIS	TRY NUMBER (IF APPLICABLE) 856-339-1952
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LI	CENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
	est ranking operator does not have the ability to	authorize canital expendi	itures and hire personnel, a	
*For a local agency where the high person designated by that person sho	all sign the following certification:		•	
person designated by that person sho			•	

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

1/1/2006 TO 1/31/2006

HOPE CREEK GENERATING STATION

PARAMETER	X	QUANTITY C	R LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, in Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	40.854	45.605		****	在会外市市市	*****		D	continuous	meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	estion 	Action	Takkeis Attaka	*****		Continuous	METER
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	52.177	53. 734		*****	****	*****		0	Continuous	meter
50050 7 Intake From Stream	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	Annian En Pér	*****	******	*****		Continuous	METER
рН	SAMPLE MEASUREMENT	*****	*****		8.6	*****	8.7		0	1/week	Grab
00400 1 Effluent Gross Value	PERMIT REQUIREMENT	Anna Cui	******	******	6.0 01DAMN	AND	9.0 01DAMX	SU		1/Week	GRAB
Chlorine Produced Oxidants	SAMPLE MEASUREMENT	****	*****		*****	40.1	40.1		0	Continuous	Grab
*CPOX 1 Effluent Gross Value	PERMIT REQUIREMENT	Property of the Control of the Contr	France Constitution of the	******	Anna Carren	0.2 01MOAV 0.1	0:5 01DAMX 0:1	MG/L		Continuous	GRAB
Temperature,	SAMPLE MEASUREMENT	****	*****		****	21.0	24.8		0	(mphuou)	weter
00010 1 Effluent Gross Value	PERMIT REQUIREMENT	Anna II	rount	*****	E-P-C-P-C-P-C-P-C-P-C-P-C-P-C-P-C-P-C-P-	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature,	SAMPLE MEASUREMENT	*****	*****		*****	7.6	8.6		0	Conthues	meter
00010 7 Intake From Stream	PERMIT REQUIREMENT	Arrive de Arrive de Arrive	annin di	******	initia Salah	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

1/1/2006 TO 1/31/2006

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY	OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	10	10		0	month	Grab
00680 1 Effluent Gross Value	PERMIT": REQUIREMENT	Mingran G	and the second	*****	April 14	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Carbon, Tot Organic	SAMPLE MEASUREMENT	****	*****		****	5	5		0	1/morth	Calotd
00680 2 Effluent Net Value	PERMIT REQUIREMENT			*****	Application of the second	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	CALCTD
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	****		*****	4	4		0	Ymonth	Grab
00680 7 Intake From Stream	PERMIT REQUIREMENT	Parents	Control of the second s	******	Antina Company	REPORT 01MOAV	REPORT 01DAMX	MG/L	ą.	1/Month	GRAB
Heat (winter) (per Hr.)	SAMPLE MEASUREMENT	342	441		*****	*****	*****		0	1/044	Calotd
81387 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX	MBTU/HR	******	111111 111111 1111111	in in the second	******		1/Day	CALCTD
Lab Certification #	SAMPLE MEASUREMENT	17451	06431								
99999 99 Lab	PERMIT PREQUIREMENT	REPORT, Lab#	REPORT.		REPORT Lab#	REPORT Lab#	REPORT Lab#		i.	Not Applic	NOT AP

New Jersey Department of Environmental Protection Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

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NJPDES PERMIT	MONITORING PERIOD	·	MONITO	RED LOCATION:
NJ0025411	Month Day Year Month Day 1 1 2006 To 1 31	Year 2006	461C - DSN 461	.C - DSW internal
PERMITTEE: PSE&G NUCLEAR LLC PO BOX 236-N21 - ALLOWA RD HANCOCKS BRIDGE, NJ 08	FOOT OF BUTTONWOOD RD 1038 LOWER ALLOWAYS CREEK, I	FATION NJ 08038-00		· ·
	REGION / COUNTY: Southern / Salem Co	anty		
CHECK IF APPLICABLE:	No Discharge this Monitoring Period	Aonitoring	Report Comments Att	ached
reponsibility or person designates another entity to operate the treat I certify under penalty of law the that, based on my inquiry of tho complete. I am aware that there	st ranking operator does not have the ability to authorized by that person shall also sign the second certification at ment works, the highest-ranking official of the contracted at I have personally examined and am familiar with the se individuals immediately responsible for obtaining the are significant penalties for submitting false information lew Jersey Water Pollution Control Act provides for penalties	the bottom d entity sha information e information n, including	of this page. If the local of this page. If the local of the submitted in this document, I believe that the infect the possibility of fine a	ment and all attachments, and ormation is true, accurate and
George P. Barnes, Site	e Vice President – Hope Creek		N	/ A
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENS	ED OPERATO	OR GRADE AND REG	ISTRY NUMBER (IF APPLICABLE) 856-339-1952
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OF	ERATOR	DATE	AREA CODE/PHONE NUMBER
person designated by that person sh		•	•	
	accordance with N.J.S.A. 58:10A-6F(5) that I have received a	id reviewed i		
N/A	N/A		N/A	N/A
NAME AND TITLE	SIGNATURE		DATE	AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

1/1/2006 TO 1/31/2006

HOPE CREEK GENERATING STATION

		DON 4010 - D			0 1/31/2000						
PARAMETER	QUANTITY OR LOADING				UNITS QUALITY OR CONCENTRATION					FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1	SAMPLE MEASUREMENT PERMIT	0.051	0:109 REPORT		*****	*****	*****	*****	0	Continuous	METER
Effluent Gross Value	REQUIREMENT	01MOAV	01DAMX	MGD	territoria de la companya del companya del companya de la companya	******	Company Compan	******			
Solids, Total Suspended	SAMPLE MEASUREMENT	****	*****		*****	2	2		0	1/month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	# complete the second		******	******	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	*****	*****		*****	0	0		0	2/month	Grab
45501 1 Effluent Gross Value	PERIMIT REQUIREMENTS QL	terene a terene	man .	******	1 min 14	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		*****	43.5	<i>43,5</i>		0	1/month	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT QL	******	**************************************	*****	Zima Zima Zima	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification #	SAMPLE MEASUREMENT	17451	06431							<u> </u>	• • • • • • • • • • • • • • • • • • •
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT		REPORT Lab #	REPORT Lab #	REPORT Lab#			Not Applic	NOT AP
	QL	4 *************************************	A service of the serv		******	******	3,000		•		

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 1 1 2006 To 1 31 2006	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 P.O. BOX 236/N2 HANCOCKS BR	21
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring	Report Comments Atta	ched
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, based on my inquiry of tho complete. I am aware that there	tranking official having day-to-day managerial and operational response a person designated by that person. For a local agency, the highest rest ranking operator does not have the ability to authorize capital exped by that 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 lew Jersey Water Pollution Control Act provides for penalties up to \$1.00.	anking operator of the treenditures and hire person of this page. If the local sign the certification. submitted in this documn, I believe that the inforthe possibility of fine an	eatment 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, Site	e Vice President - Hope Creek	N/A	/
	EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATO	R GRADE AND REGIS	STRY NUMBER (IF APPLICABLE) 856-339-1952
	UTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR	DATE	AREA CODE/PHONE NUMBER
	est ranking operator does not have the ability to authorize capital expendit		
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	e attached discharge monit	oring reports.
N/A	N/A	N/A	N/A
NAME AND TITLE	SIGNATURE	DATE	AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

1/1/2006 TO 1/31/2006

HOPE CREEK GENERATING STATION

PARAMETER	X	QUANTITY	OR LOADING	UNITS	QUALI	TY OR CONCENTR	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.014	0.034		****	*****	*****		0	1004	metes
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	**************************************	AFFANT A	esses.	*****		1/Day	METER
BOD, 5-Day (20 oC)	QL SAMPLE MEASUREMENT	*****	*****		* *****	202	202		0	1/month	Compos
00310 G Raw Sew/influent	PERMIT REQUIREMENT QL	The state of the s		*****	· · · · · · · · · · · · · · · · · · ·	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	1	1		*****	10	10		0	1/month	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	8 2 01MOAV	REPORT 01WKAV	KG/DAY	SANTON S	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	*****	*****		94.8	*****	*****		0	1/most h	Calotd
00310 K Percent Removal	PERMIT REQUIREMENT	keriki keriki	Section 2	*****	87:5 01MOAVMN	A arrange (C)	Attent	PERCENT		1/Month -	CALCTD
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	****		*****	159	159		0	1/month	Compos
00530 G Raw Sew/influent	PERMIT REQUIREMENT	Participal Control of the Control of	The state of the s	*****	enter 25	REPORT. 01MOAV	HEPORT 01DAMX	MG/L	ą. G	1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		****	16	16		0	month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	******	**************************************	*****	ALLES CONTRACTOR OF THE PARTY O	30 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

1/1/2006 TO 1/31/2006

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE		
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		90	90	*****		0	Ymanth	Calctd
00530 K Percent Removal	PERMIT REQUIREMENT	M . 	Control of the second	*****	85 – OTMOAVMN	REPORT 01MOAV	Marine J.	PERCENT	1	1/Month	CALCTD
	QL	Leg mari	- Charles		ng terree Mg	******	Eddamine.				
Oil and Grease	SAMPLE MEASUREMENT	****	*****	·	*****	<3.2	< 3. Z		0	1/month	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT		1000	*****		01 VAOM10	15 - 01DAMX *	MG/L	-	1/Month	GRAB
	QL		Takanan .		. J	5 ···· 22	******				
Coliform, Fecal General	SAMPLE MEASUREMENT	*****	****		****	42	<2		0	month	Grab
74055 1 Effluent Gross Value	PERMIT / REQUIREMENT		STATE OF	*****		200 01MOGE	400 / 01WKGE	#/100ML		1/Month	GRAB
	QL	*******	Toleyman Ver		· · · · · · · · · · · · · · · · · · ·	** · *********************************	A Meetings b				
Lab Certification #	SAMPLE MEASUREMENT	17451	06431		-						
99999 99	PERMIT	REPORT	REPORT OF		REPORT	REPORT ME	REPORT			Not Applic	NOT AP
Lab	REQUIREMENT	Lab#	Lab#		Lab#	i Lab#	Lab#		4.5		