

LR-E03-0322

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0003 6394 4584

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:

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Attached is the Discharge Monitoring Report for the Hope Creek Generating Station for the month of June 2003.

This report is required by and prepared specifically for the Environmental Protection Agency (EPA) and 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,

imothy/J/O'Conno

Vice Pesident - Operations

95-2168 REV. 7/99

LR-E03-0322 NJPDES DMR

Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Vice President - Operations
Manager - Nuclear Safety & Licensing
Christopher McAuliffe, Esq.
D. K. Hurka
E. J. Keating
J. Buchanan
J. Serfass
Patrick Whyte, Jr.
NJPDES Tech
NBS Room, MC N64
Chem File HCH 2003-033
Env Lic File 2.1.6 HC Book

LR-E03-0322 NJPDES DMR

EXPLANATION OF CONDITIONS

June 2003

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.

LR-E03-0322 NJPDES DMR

EXPLANATION OF EXCEEDANCES

June 2003

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, Timothy J. O'Connor, of full age, being duly sworn according to law, upon my oath depose and say:
- 1. I am the Vice President, Operations 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.

Timothy J. O'Connor

Vice President - Operations

Sworn and subscribed before me this & Ray of July 2003.

DELORIS D. HADDEN
Notary Public of New Jersey
My Commission Expires 03-29-2005

ID # 2073649

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	MONITO	RED LOCATION:					
NJ0025411	Month Day Year 6 1 2003 To 6 30 2003 461A - DSN 461A - dsw							
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK RI HANCOCKS BRIDGE, NJ 086								
	REGION / COUNTY: Southern / Salem County							
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring	Report Comments Att	ached					
the certification. Where the higher reponsibility or person designated another entity to operate the treatr I certify under penalty of law that that, based on my inquiry of those complete. I am aware that there is	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 shall I have personally examined and am familiar with the information in individuals immediately responsible for obtaining the information are significant penalties for submitting false information, including the Jersey Water Pollution Control Act provides for penalties up to	penditures and hire person of this page. If the local lisign the certification. In submitted in this document, I believe that the infect the possibility of fine a	nnel, a person having that all agency has contracted with ment and all attachments, and commation is true, accurate and					
Timothy J. O'Connor, Vice-l			N/A					
NAME AND TITLE OF PRINCIPAL	XECUTIVE OFFICER AUTHORIZED AGENT, OR *LICENSED OPERATO	OR GRADE AND REGI	ISTRY NUMBER (IF APPLICABLE) 856-339-2900					
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 expendi Il signithe following certification:	itures and hire personnel, a	a person having that responsibility or					
I certify under penalty of law and in a N/A	ccordance with N.J.S.A. 58:10A-6F(5) that I have received and reviewed to N/A	he attached discharge moni N/A	itoring reports. N/A					

SIGNATURE

NAME AND TITLE

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

6/1/2003 TO 6/30/2003

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY O	ga distribute in the second of	UNITS	QUALIT	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF	SAMPLE TYPE
Flow, In Conduit or	SAMPLE MEASUREMENT	44.374	56.654						0	Continuous	Meter
50050 1 FERMIT REQUIREMENT REQUIREMENT	PERMITI REQUIREMENTS	REPORTA 01MOAV	REPORT 01DAMX	MGD		1				Continuous	METER
pH	SAMPLE MEASUREMENT	••••	*****		8.6	*****	8.7		0	Week	Grab
00400 1 Effluent Gross Value	PERMITA REQUIREMENT		*******		6.0 01DAMN		9.0 01DAMX	SU		1/Week	GRAB
Chlorine Produced	SAMPLE MEASUREMENT	****	*****		*****	<0.1	<0.1		0	3/Week	Grab
Oxidants *CPOX 1 Effluent Gross Value	PERMIT, REQUIREMENT	*) 		and the same of th	0.2- £ 01MOAV	0,5 01DAMX	MG/L		3/Week	GRAB
Temperature,	SAMPLE MEASUREMENT	*****	*****		*****	29.5	33.2		0	Continuous	Meter
oC 00010 1 Effluent Gross Value	PERMIT REQUIREMENT MDL	***************************************	C		7	PREPORT 1 01MOAV	36.2 01DAMX	DEG.C		Continuous	METER
Temperature,	SAMPLE MEASUREMENT					Ω1.δ	24.1		8	Continuous	Meter
00010 7 Intake From Stream	PERMIT REQUIREMENT MDL			***************************************	TOTAL CONTRACTOR OF THE PARTY O	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	METER
Carbon, Tot Organic	SAMPLE MEASUREMENT		A Commission of the Commission		***************************************	4			0	Month	Grab
00680 1 Effluent Gross Value	PERMIT 4 REQUIREMENT		1,044 A	•••••	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB -
	MDL	2017	selfant i militari						1	(Section 2	Asaute Sants

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

NJ0025411 461A DSN 461A - dsw 6/1/2003 TO 6/30/2003 HOPE CREEK GENERATING STATION

PARAMETER	PARAMETER QUANTITY OR LOADING					QUALITY OR CONCENTRATION				FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT					<	7		0	Mosth	Caleta
00680 2 Effluent Net Value	PERMIT REQUIREMENT	100		*******	2 75 1 1 1 1	REPORT:	REPORT- 01DAMX	MG/L		+ 1/Month	CALCTD:
	MDL		-7786-2425		12.19.25 (A.1.25.25)		1985-1-15 <u>38</u>		1000	3.50	
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT		******			3	3		0	Month	Grab
00680 7 Intake From Stream	PERMIT : REQUIREMENT				7° ; ••••	REPORT 01MOAV	REPORT 0101000000000000000000000000000000000	MG/L		1/Month	GRAB
	MDL: N	endere entre es			sperie (23.70		
Heat (summer) (per Hr.)	SAMPLE MEASUREMENT	232	332			angles of the state of the stat			0	Day	Caleta
81386 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	534 01DAMX	MBTU/HR				******		1/Day	CALCTD
	MOL					130000000000000000000000000000000000000			12.2		17.00
Lab Certification #	SAMPLE MEASUREMENT	17451	PA343		06431				an Administration of the Control of	Partiera Peterikea	
99999 99 Lab	PERMIT REQUIREMENT	REPORT Lab#	REPORT. Lab#		REPORT:	REPORT : Lab #	REPORT* Lab #			Not Applic	NOT AP
	L MOL / TV	C. Secretaria	500 E 100 E 100 E	1	771253975127546	(10 to 17 to 1	7.557,7455 .72 (2			100	

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 461C - DSN 461C - DSW in					
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK I HANCOCKS BRIDGE, NJ 0		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 F	Report Comments Attached				
	CALLANIANIS CIRCIAUT URGS NOLNAVO INC BUNILY IO BUINCIAG CBUILBI CXIVO	nditures and hire nerconnel a nercon having that				
mother entity to operate the treat certify under penalty of law that, based on my inquiry of the complete. I am aware that there	at I have personally examined and am familiar with the information so 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 \$1.000.	sign the certification. submitted in this document and all attachments, and , I believe that the information is true, accurate and he possibility of fine and/or imprisonment, pursuant				
another entity to operate the treat certify under penalty of law that, based on my inquiry of the complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The Timothy J. O'Connor, Vice	at I have personally examined and am familiar with the information so 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 \$1.000.	of this page. If the local agency has contracted with sign the certification. Submitted in this document and all attachments, and I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant 50,000 per violation. N/A				
another entity to operate the treat another entity to operate the treat another entity under penalty of law that, based on my inquiry of the complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The Timothy J. O'Connor, Vice NAME AND TITLE OF PRINCIPAL EXECUTED AND TITLE OF PRINCIP	the dot by that person shall also sign the second certification at the bottom of the the thick that person shall also sign the second certification at the bottom of the thick that I have personally examined and am familiar with the information is see 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 \$10.00 Persons EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR these ranking operator does not have the ability to authorize capital expenditure to the second control of the penaltic capital expenditure.	of this page. If the local agency has contracted with sign the certification. Submitted in this document and all attachments, and I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant 50,000 per violation. N/A GRADE AND REGISTRY NUMBER (IF APPLICABLE) 7/23/03 856-339-2900 DATE AREA CODE/PHONE NUMBER				
I certify under penalty of law that, based on my inquiry of the complete. I am aware that there to N.J.A.C. 7:14A-6.9(B). The Timothy J. O'Connor, Vice NAME AND TITLE OF PRINCIPAL SIGNATURE OF PRINCIPAL EXECUTE.	the dot by that person shall also sign the second certification at the bottom of the the thick that person shall also sign the second certification at the bottom of the thick that I have personally examined and am familiar with the information is see 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 \$10.00 Persons EXECUTIVE OFFICER, AUTHORIZED AGENT, OR *LICENSED OPERATOR these ranking operator does not have the ability to authorize capital expenditure to the second control of the penaltic capital expenditure.	of this page. If the local agency has contracted with sign the certification. Submitted in this document and all attachments, and I believe that the information is true, accurate and the possibility of fine and/or imprisonment, pursuant 50,000 per violation. N/A GRADE AND REGISTRY NUMBER (IF APPLICABLE) 7/23/03 856-339-2900 DATE AREA CODE/PHONE NUMBER ares and hire personnel, a person having that responsibility				

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

NJ0025411 461C DSN 461C - DSW interns 6/1/2003 TO 6/30/2003 HOPE CREEK GENERATING STATION

PARAMETER	\times	QUANTITY C	OR LOADING	UNITS	QUALI	TY OR CONCENT	RATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.058	0.190		The responsible for the second				0	Continuous	Meler
50050 1 Effluent Gross Value	PERMIT A REQUIREMENT	REPORT 01MOAV	*REPORT 01DAMX	MGD		1				Continuous	METER
Solids, Total Suspended	SAMPLE MEASUREMENT		******		•••••	25	25	ukteri (12) Oğrumları İşrik göve (0	Month	Compos
ouspended 00530 1 Effluent Gross Value	PERMIT: REQUIREMENT			**************************************	******	30 V 01MOAV ⁵	100 01DAMX	MG/L		41/Month	COMPOS
Petrol Hydrocarbons, Fotal Recoverable	SAMPLE MEASUREMENT		**************************************		*****	<	4		0	2 Month	Grab
45501 1 Effluent Gross Value	PERMIT REQUIREMENT				73174	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	**************************************	*****		*****	9	9		0	Month	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	5 o - 11111 ()	**************************************	******	2 (3	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
Lab Certification #	SAMPLE MEASUREMENT	17451	PA 3 43		06431				1.160		
99999 99 Lab	PERMIT REQUIREMENT	REPORT:	REPORT Lab#		***REPORT	REPORT.	REPORT Lab#			Not Applic	NOT AP
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New Jersey Department of Environmental Protection Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

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NJPDES PERMIT	IV.	IONITORING	F PERIOD		MONITORED LOCATION:
NJ0025411	Month Day 6 1	Year 2003 To		0ay Year 30 2003	462B - dsn 462B - dsw outfall
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK F HANCOCKS BRIDGE, NJ 08		LOCATION HOPE CREEK ARTIFICIAL I FOOT OF BUI LOWER ALLO	GENERATII SLAND ITONWOOD	NG STATION	P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
•	REGIO	N / COUNTY: So	uthern / Sale	m County	
CHECK IF APPLICABLE:	No Discharg	e this Monitoring	g Period	Monitori	ing Report Comments Attached
he certification. Where the high- reponsibility or person designate another entity to operate the treat certify under penalty of law the hat, based on my inquiry of the	est ranking operator d by that person sha ment works, the high at I have personally se individuals immare significant pensonal water Power	does not have the all also sign the sechest-ranking office examined and are diately responsibilities for submittion Control A	ability to aut cond certificate cial of the con m familiar with the for obtaining false inform	horize capital of the bott tracted entity so the informating the information, including the horizontal traction, including the capital traction.	tion submitted in this document and all attachments, and ation, I believe that the information is true, accurate and ling the possibility of fine and/or imprisonment, pursuant
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OF FICE	RAUTHORIZED A	GENT, OR *LI	CENSED OPER	ATOR GRADE AND REGISTRY NUMBER (IF APPLICABLE) $7/23/03 856-339-2900$
SIGNATURE OF PRINCIPAL EXEC *For a local agency where the high person designated by that person sh	est ranking operator	does not have the a	-		AREA CODE/PHONE NUMBER enditures and hire personnel, a person having that responsibility
certify under penalty of law and in N/A	accordance with N.J.S	S.A. 58:10A-6F(5) t N/A	hat I have recei	ved and review	ed the attached discharge monitoring reports. N/A N/A
NAME AND TITLE		SIGNATURE			DATE AREA CODE/PHONE NUMBER

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

NJ0025411 462B dsn 462B - dsw outfall 6/1/2003 TO 6/30/2003 HOPE CREEK GENERATING STATION

MPLE JREMENT RMIT REMENT OF 2	O, OI3 REPORTS 01MOAV	O, OQ4	MGD	7 ***** (A) Y (A)		1.1.18		0	1/2	Meter
REMENT!			MGD	90 C	grade extraordal and the first and it is the second	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]			/ Day	rreier
MPLE		\$42500 W.H. 6400		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			*******		1/Day	METER
UREMENT					330	330		0	Most	Compos
RMIT IREMENT	, 12 (1) 2 (2) 2 (REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	COMPOS
MPLE UREMENT	O	0		*****	6	6		0	Month	Compos
ERMIT IREMENT	8	REPORT 180 01WKAV	KG/DAY		30 30 01MOAV	45 601WKAV	MG/L		→ 1/Month	COMPOS
MPLE UREMENT	*****	*****		98	*****	98	The second secon	0	Month	Caleta
ERMIT		The Control of the Co		87:5 ***** 01DAMN	100 mm	REPORT:	PERCENT		1/Month:	CALCTD
AMPLE SUREMENT				*****	204	204		٥	Month	Compos
ERMIT IREMENT	25-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		***************************************	**************************************	REPORT 01MOAV	REPORT	MG/L		1/Month	COMPOS
ADL ##### AMPLE SUREMENT	******	•••••		*****	η	7		0	Month	Compos
ERMIT JIREMENT	1996 - 27 (1966) 198 <mark>6 - 1</mark> 88	enner (30 × 01MOAV	45 01WKAV	MG/L		1/Month	COMPOS
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PERMIT NUMBER: MONITORED LOCATION: MONITORING PERIOD: FACILITY NAME:

NJ0025411 462B dsn 462B - dsw outfall 6/1/2003 TO 6/30/2003 HOPE CREEK GENERATING STATION

PARAMETER	PARAMETER QUANTITY OR LOADING				QUALI	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE	
Solids, Total Suspended	SAMPLE MEASUREMENT	A WAR TO THE SECOND STATES			91	97	To be a first of the second of		0	Month	Calctd
00530 K Percent Removal	PERMIT REQUIREMENT				85 01DAMN	REPORT 01MOAV	7	PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	*****	*****		*****	4	4		0	1/Month	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT		4		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10. 01MOAV	15 01DAMX	MG/L		1/Month	GRAB
Coliform, Fecal General	SAMPLE MEASUREMENT	*****			*****	150	150		0	Month	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT					200 01MOGE	400 *01WKGE	#/100ML		1/Month	GRAB
Lab Certification #	SAMPLE MEASUREMENT	17451	PA343		06431						
99999 99 Lab	PERMIT REQUIREMENT	REPORT.	REPORT Lab#		REPORT. Lab#	REPORT. Lab#	REPORT Lab#			Not Applic	NOT AP