

LR-E02-0330

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0003 6394 4881

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 August 2002.

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 analysis 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.

David F. Garchow

Vice President - Operations

LR-E02-0330 NJPDES DMR

Attachments

C Executive Director, DRBC
USNRC - Docket number 50-354
Vice President - Operations
Manager - Nuclear Safety & Licensing
Maureen Vaskis, Esq.
D. K. Hurka
E. J. Keating
J. Buchanan
J. Serfass
A. Nurk
NJPDES Tech
NBS Room, MC N64
Chem File HCH 2002-042
Env Lic File 2.1.6 HC Book

LR-E02-0330 NJPDES DMR

EXPLANATION OF CONDITIONS

August 2002

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-E02-0330 NJPDES DMR

EXPLANATION OF EXCEEDANCES

August 2002

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, David F. Garchow, of full age, being duly sworn according to law, upon my oath depose and say:
- 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.

David F.Garchow

Vice President - Operations

Sworn and subscribed before me this 23 day of \$12002.

JENNIFER M. TURNER NOTARY PUBLIC OF NEW JERSEY My Commission Expires July 25, 2005

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 8 1 2002 To 8 31 2002	461A - D	SN 461A - dsw
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK RI HANCOCKS BRIDGE, NJ 080		REPORT REC PSE&G P.O. BOX 236/N2 HANCOCKS BRI	1
	REGION / COUNTY: Southern / Salem County		
CHECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring Re	port Comments Attac	ched
	ranking official having day-to-day managerial and operational respons a person designated by that person. For a local agency, the highest ran		
the certification or, in his absence 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 thos complete. I am aware that there a to N.J.A.C. 7:14A-6.9(B). The N	a person designated by that person. For a local agency, the highest ranst ranking operator does not have the ability to authorize capital expensions that person shall also sign the second certification at the bottom of ment works, the highest-ranking official of the contracted entity shall sit I have personally examined and am familiar with the information sure individuals immediately responsible for obtaining the information, have significant penalties for submitting false information, including the ew Jersey Water Pollution Control Act provides for penalties up to \$50.	king operator of the tre litures and hire person this page. If the local gn the certification. bmitted in this docume believe that the infor possibility of fine and	eatment works shall sign nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and
the certification or, in his absence 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 thos complete. I am aware that there a to N.J.A.C. 7:14A-6.9(B). The N	a person designated by that person. For a local agency, the highest ranst ranking operator does not have the ability to authorize capital expend by that person shall also sign the second certification at the bottom of ment works, the highest-ranking official of the contracted entity shall sit I have personally examined and am familiar with the information sure individuals immediately responsible for obtaining the information, here significant penalties for submitting false information, including the ew Jersey Water Pollution Control Act provides for penalties up to \$50 to \$60	king operator of the tree litures and hire personathis page. If the local age the certification. bmitted in this documed believe that the information possibility of fine and 1,000 per violation.	eatment works shall sign nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and d/or imprisonment, pursuant
the certification or, in his absence 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 thos complete. I am aware that there a to N.J.A.C. 7:14A-6.9(B). The N	a person designated by that person. For a local agency, the highest ranst ranking operator does not have the ability to authorize capital expensions that person shall also sign the second certification at the bottom of ment works, the highest-ranking official of the contracted entity shall sit I have personally examined and am familiar with the information sure individuals immediately responsible for obtaining the information, have significant penalties for submitting false information, including the ew Jersey Water Pollution Control Act provides for penalties up to \$50.	king operator of the tree litures and hire personathis page. If the local age the certification. bmitted in this documed believe that the information possibility of fine and 1,000 per violation.	eatment works shall sign nel, a person having that agency has contracted with ent and all attachments, and mation is true, accurate and
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DATE

AREA CODE/PHONE NUMBER

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

8/1/2002 TO 8/31/2002

HOPE CREEK GENERATING STATION

PARAMETER QUANTITY OR LOADING UNITS QUALITY OR CONCENTRATION UNITS NO. FREQ. O ANALYSI Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value REPORT	Meter Meter
50050 1 REPORT REPORT MGD MGD Continuo	
OCCUPENCY ACCUSED MGD 111111	METER
MOL MOL	
pH SAMPLE MEASUREMENT ****** 8.6 0 1 Wee	Grab
00400 1 Effluent Gross Value PERMIT REQUIREMENT STATES OF THE STATES OF	GRAB
MOCCO STATE OF THE	
Chlorine Produced Oxidants SAMPLE MEASUREMENT ****** Oxidants ****** Chlorine Produced Oxidants	Grab
*CPOX 1 Effluent Gross Value **CPOX 1 PERMIT REQUIREMENT ************************************	GRAB
MOL STATE OF THE S	
Temperature, oc SAMPLE MEASUREMENT ****** 32.2 34.4 0 Continuo	
00010 1 Effluent Gross Value PERMIT REQUIREMENT PERMIT REQUIREM	S CK REQ
MOL	
Temperature, oc SAMPLE	Ck Req
00010 7 Intake From Stream PERMIT REQUIREMENT ***** ***** ***** ***** ***** ****	s CK REQ
HOL 1	
Phosphorus, Total (as P) SAMPLE MEASUREMENT ****** Code=N Code=N Code=N Code=N	Code=N
00665 1 Effluent Gross Value PERMIT REQUIREMENT Attivit THE PRINT RECOUREMENT ATTIVITY OF THE PRINT RECOUREMENT ATT	GRAB
MOL	

Comments: Your Monitoring Report Forms have been converted to the Department's new N J Environmental Management System (NJEMS). 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 "srosenwi@dep state.nj.us".

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

8/1/2002 TO 8/31/2002

HOPE CREEK GENERATING STATION

PARAMETER	\times	QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTR	ATION	UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	*****		****	3.5	3.5		O	Month	Grab
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	*******	**************************************	*****	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	MOL CON		ANAGA ANGA								
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	****	****		*****	-1	- (0	Month	Calctal Caronalist
00680 2 Effluent Net Value	PERMIT REQUIREMENT	*****	******	*****	*****	REPORT. 01MOAV	20 01DAMX	MG/L		1/Month	CALCTD
	() MOL										
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****	Į.	*****	2.8	2.8		0	Month	Grab
00680 7 Intake From Stream	PERMIT REQUIREMENT	******	**************************************	*****	******	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
	MDL	YAZA U ZAN									
Heat (summer) (per Hr.)	SAMPLE MEASUREMENT	100	139		*****	*****	*****		0	Day	Caleta
81386 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	534 01DAMX	MBTU/HR	*****	******	******	*****		1/Day	CALCTD
	MOL		0147533E305E301				77 7 42-3466		2.0		
Lab Certification #	SAMPLE MEASUREMENT	17451	77343		06431						
99999 99 Lab	PERMIT REQUIREMENT.	REPORT Lab#	REPORT Lab#		REPORT Lab#	REPORT Lab#	REPORT Láb#		-	Not Applic	NOT AP
, 	MDL-		CAMPAL.								

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New Jersey Department of Environmental Protection Division of Water Quality

Surface Water Discharge Monitoring Report Submittal Form

NAME OF THE PARTY.	246	NITONIN	C DEDIC		····	MONITODED I OCATION.
NJPDES PERMIT	MC	ONITORIN	G PERIC	ענ		MONITORED LOCATION:
NJ0025411	Month Day 8 1	Year 2002 To	Month 8	Day 31	Year 2002	462B - dsn 462B - dsw outfall
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK R HANCOCKS BRIDGE, NJ 08	D	LOCATIO HOPE CREEK ARTIFICIAL FOOT OF BU LOWER ALL	GENERA ISLAND TTONWO	ATING ST OD RD	TATION	REPORT RECIPIENT: PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038
	REGION /	COUNTY: Se	outhern / S	alem Co	unty	
CHECK IF APPLICABLE:	No Discharge t	this Monitorin	g Period		Aonitoring	g Report Comments Attached
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 those	e a person designated to st ranking operator do it by that person shall a ment works, the higher at I have personally ex- se individuals immedi- are significant penalti- lew Jersey Water Poll	by that person. bes not have the also sign the seest-ranking office amined and a lately responsities for submitted the control of the seest-ranking office and a lately responsities for submitted the control of the seest of the	For a local e ability to cond certificial of the m familiar ble for obtaing false in	agency, authorized ication at contracted with the aining the formation as for pen	the highest capital exp the bottom I entity shall information information in including	n submitted in this document and all attachments, and on, I believe that the information is true, accurate and g the possibility of fine and/or imprisonment, pursuant
NAME AND TITLE OF PRINCIPAL	EXECUTIVE OFFICER,	AUTHORIZED	AGENT, OR	*LICENS	ED OPERATO	OR GRADE AND REGISTRY NUMBER (IF APPLICABLE)
Jun F. Harch	ow_					9/23/02 856 339-3250
SIGNATURE OF PRINCIPAL EXEC	UTIVE OFFICER, AUTI	HORIZED AGEN	T, OR *LIC	ENSED OF	ERATOR	DATE AREA CODE/PHONE NUMBER
*For a local agency where the high person designated by that person sho			ability to au	thorize ca	pital expendi	ditures and hire personnel, a person having that responsibility
I certify under penalty of law and in	accordance with N.J.S.A	A. 58:10A-6F(5)	that I have r	eceived ar	d reviewed t	the attached discharge monitoring reports.

DATE

AREA CODE/PHONE NUMBER

SIGNATURE

NAME AND TITLE

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

8/1/2002 TO 8/31/2002

HOPE CREEK GENERATING STATION

PARAMETER	X	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	0,012	0.021		*****	*****	****		0	Bay	Meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	**************************************	Towns of the second sec	Annan	*****		1/Day	METER
BOD, 5-Day (20 oC)	SAMPLE MEASUREMENT	0			*****		*****		0	Month	Compos
00310 1 Effluent Gross Value	PERMIT REQUIREMENT	8 01MOAV	REPORT 01DAMX	KG/DAY	******	******	******	*****		1/Month	COMPOS
BOD, 5-Day (20 oC)	SAMPLE									1/ ,	<u> </u>
00310 K Percent Removal	MEASUREMENT PERMIT REQUIREMENT MDL	*****	******	*****	97.7 87.5 01DAMN	*****	*****	PERCENT	0	Month-	Calcta
Solids, Total Suspended	SAMPLE MEASUREMENT	***	金倉金金金		****	7	η		δ	month	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	******	andrin .	*****	******	30 01MOAV	REPORT. 01DAMX	MG/L		1/Month	COMPOS
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		98	*****	*****		0	Ymonth	Caleta
00530 K Percent Removal	PERMIT REQUIREMENT	******	*****	•••••	85 01MOAVMN		******	PERCENT		1/Month	CALCTD
Oil and Grease	SAMPLE MEASUREMENT	*****	*****		*****	<1	<1 ×1		0	1/month	Grab
00556 1 Effluent Gross Value	PERMIT REQUIREMENT	ation	ephat.	*****	*****	10 01MOAV	15 01DAMX	MG/L		1/Month	GRAB

Comments: Your Monitoring Report Forms have been converted to the Department's new N.J. Environmental Management System (NJEMS). If there are any questions in regards to the monitoring report form, please contact Susan Rosenwinkel of the BPSP - Region 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

PI 43815

PERMIT NUMBER:	MONITORED LOCATION:	MONITORING PERIOD:	FACILITY NAME:
NJ0025411	462B dsn 462B - dsw outfall	8/1/2002 TO 8/31/2002	HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY (OR LOADING	UNITS	QUALI	TY OR CONCENTE	ATIONES DO	UNITS	NO EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Coliform, Fecal General	SAMPLE MEASUREMENT	*****	*****		*****	4 29	21 2014	201	٥	month	Grab
74055 1 Effluent Gross Value	PERMIT REQUIREMENT	*****		*****	******	200 01MOGE	400 01WRGE	#/100ML		1/Month	GRAB
Lab Certification #	MDL SAMPLE										
99999 99	MEASUREMENT	いりゃらり REPORT	17343 REPORT		OG431 REPORT	REPORT	REPORT			Not Applic	NOT AP
Lab	REQUIREMENT	Lab#	Lab#		Lab#	Lab#	Lab#				

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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 8 1 2002 To 8 31 2002	461C - DSN 461C - DSW inter					
PERMITTEE: PSEG NUCLEAR LLC PO BOX 236/N21 ALLOWAY CREEK NECK F HANCOCKS BRIDGE, NJ 08		REPORT RECIPIENT: PSE&G P.O. BOX 236/N21 HANCOCKS BRIDGE, NJ 08038					
	REGION / COUNTY: Southern / Salem County						
HECK IF APPLICABLE:	No Discharge this Monitoring Period Monitoring R	eport Comments Attached					
certification or, in his absence certification. Where the higher	et ranking official having day-to-day managerial and operational response a person designated by that person. For a local agency, the highest ratest ranking operator does not have the ability to authorize capital expense.	aking operator of the treatment works shall sign ditures and hire personnel, a person having that					
certification or, in his absence certification. Where the higher consibility or person designate ther entity to operate the treatertify under penalty of law the based on my inquiry of the applete. I am aware that there I.J.A.C. 7:14A-6.9(B), The N.J.A.C. 7:14A-6.9(B),	e a person designated by that person. For a local agency, the highest ratest ranking operator does not have the ability to authorize capital experted by that person shall also sign the second certification at the bottom of the two works, the highest-ranking official of the contracted entity shall stat I have personally examined and am familiar with the information are significant penalties for submitting false information, including the New Jersey Water Pollution Control Act provides for penalties up to \$50.	aking operator of the treatment works shall sign ditures and hire personnel, a person having that this page. If the local agency has contracted with ign the certification. Abmitted in this document and all attachments, and I believe that the information is true, accurate and e possibility of fine and/or imprisonment, pursuant					
certification or, in his absence certification. Where the higher onsibility or person designate other entity to operate the treatestify under penalty of law that, based on my inquiry of the opplete. I am aware that there will also a factorial of the opplete. The factorial of the opplete. The factorial of the opplete. The factorial of the opplete.	e a person designated by that person. For a local agency, the highest ratest ranking operator does not have the ability to authorize capital experted by that person shall also sign the second certification at the bottom of the two that person shall also sign the second certification at the bottom of the two that the highest-ranking official of the contracted entity shall stat I have personally examined and am familiar with the information are 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 \$50.	aking operator of the treatment works shall sign ditures and hire personnel, a person having that this page. If the local agency has contracted with ign the certification. Abmitted in this document and all attachments, and I believe that the information is true, accurate and e possibility of fine and/or imprisonment, pursuant 0,000 per violation.					
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NAME AND TITLE

SIGNATURE

DATE

AREA CODE/PHONE NUMBER

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW interna

8/1/2002 TO 8/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY O	OR LOADING	UNITS	OUALE	TY OR CONCENTR	ATION	UNITS	NO	FREQ OF	SAMPLE
t to the test		QUANTITIC	ON COADING	011110	QUAL!	II OK CONCENTI	ATION	UNITS	EX.	ANALYSIS	TYPE
Flow, In Conduit or Thru Treatment Plant	SAMPLE MEASUREMENT	0.018	0.040		*****	*****	*****		٥	Continuous	Meter
50050 1 Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	******	*****	*******	*****		Continuous	METER
-	MDL										
Solids, Total Suspended	SAMPLE MEASUREMENT	*****	*****		*****	12	12		٥	Morth	Compos
00530 1 Effluent Gross Value	PERMIT REQUIREMENT	************	79/// ******	*****	***************************************	30 01MOAV	100 01DAMX	MG/L		1/Month	COMPOS
	MDL										
Petrol Hydrocarbons, Total Recoverable	SAMPLE MEASUREMENT	*****	*****		*****	(l		٥	2 Month	Grab
45501 1 Effluent Gross Value	PERMIT REQUIREMENT	******	******	*****	1	10 01MOAV	15 01DAMX	MG/L		2/Month	GRAB
	MOL				CONTRACTOR VI		33.43		7.33		
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	ኅ	7		0	Month	Compos
00680 1 Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	******	REPORT 01MOAV	50 01DAMX	MG/L		1/Month	COMPOS
٦	MOL ;										
Lab Certification #	SAMPLE MEASUREMENT	17451	77343		06431					7	
99999 99 Lab	PERMIT REQUIREMENT	REPORTLab#	REPORT Lab#		REPORT Lab#	REPORT Lab#	REPORT Lab#			Not Applic	. NOT AP
	MDL	带新郑州	WARRANCH T		Leggarreeriga		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$				

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