



LR-E02-0238

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
ARTICLE NUMBER: 7099 3400 0003 6394 4973

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 May 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 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 Jeff Serfass at (856) 339-5411.

Sincerely,


David F. Garchow
Vice President - Operations

IE25

LR-E02-0238
NJPDES DMR

Attachments

C Executive Director, DRBC
 USNRC - Docket number 50-354

LR-E02-0238
NJPDES DMR

BC Vice President - Operations
Manager – Nuclear Safety & Licensing
Maureen Vaskis, Esq.
D. K. Hurka
E. J. Keating
NJPDES Tech.
J. Serfass
J. Buchanan
A. Nurk
NBS Room N64
Chem File HCH 2002-026
Env Lic File 2.1.6 HC Book

NJPDES DMR

Explanation of Conditions

May 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.

NJPDES DMR

Explanation of Exceedances

May 2002

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

DSN No.

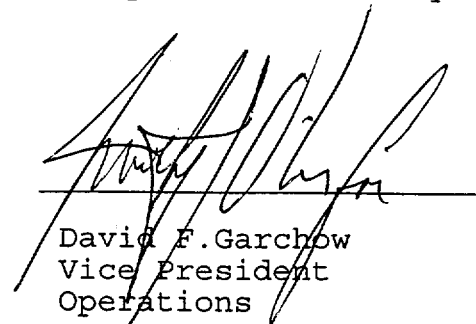
EXPLANATION

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:

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.


David F. Garchow
Vice President
Operations

Sworn and subscribed before me
this 24th day of June 200 .



DELORIS D. HADDEN
Notary Public of New Jersey
My Commission Expires 03-29-2005
ID # 2073649

New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0025411
MONITORING REPORT TYPE: Surface Water Discharge A
MONITORING PERIOD: 5/1/2002 - 5/31/2002

MONITORED LOCATION: 461A DSN 461A - dsw
MONITORED LOCATION GROUP: N/A
REGION / COUNTY: Southern / Salem County

REPORT RECIPIENT:

PSE&G
P.O. BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:

HOPE CREEK GENERATING STATION
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

CHECK IF APPLICABLE: ☐ No Discharge this Monitoring Period

MONITORING REPORT COMMENTS: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and 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. See 18 U.S.C. § 1349.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

Vice President - NUC/PAK
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-2900
AREA CODE / TELEPHONE NUMBER

6/24/2002
DATE (MONTH / DAY / YEAR)

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

5/1/2002 TO 5/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1	SAMPLE MEASUREMENT	36.291	50.957		*****	*****	*****		0	Continuous	Meter
Effluent Gross Value	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX	MGD	*****	*****	*****	*****		Continuous	METER
pH	SAMPLE MEASUREMENT	*****	*****		8.0	*****	8.7		0	1/Week	Grab
00400 1	PERMIT REQUIREMENT	*****	*****	*****	6.0 01DAMN	*****	9.0 01DAMX	SU		1/Week	GRAB
Chlorine Produced Oxidants *CPOX 1	SAMPLE MEASUREMENT	*****	*****		*****	<0.1	<0.1		0	3/Week	Grab
Effluent Gross Value	PERMIT REQUIREMENT	*****	*****	*****	*****	0.2 01MOAV	0.5 01DAMX	MG/L		3/Week	GRAB
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	26.4	32.4		0	Continuous	Ck Req.
00010 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	36.2 01DAMX	DEG.C		Continuous	CK REQ
Effluent Gross Value											
Temperature, oC	SAMPLE MEASUREMENT	*****	*****		*****	20.6	24.4		0	Continuous	Ck Req.
00010 7	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	DEG.C		Continuous	CK REQ
Intake From Stream											
Phosphorus, Total (as P)	SAMPLE MEASUREMENT	*****	*****		*****	Code=N	Code=N		0	Code=N	Code=N
00665 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Effluent Gross Value											
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	6.9	6.9		0	1/Month	Grab
00680 1	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	REPORT 01DAMX	MG/L		1/Month	GRAB
Effluent Gross Value											
Carbon, Tot Organic (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	2	2		0	1/Month	Calctd
00680 2	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 01MOAV	20 01DAMX	MG/L		1/Month	CALCTD
Effluent Net Value											

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 - Reg'n 2 at (609) 292-4860 or via email at "srosenwi@dep.state.nj.us".

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461A DSN 461A - dsw

5/1/2002 TO 5/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Carbon, Tot Organic (TOC) 00680 7 Intake From Stream	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.0	3.0	MG/L	0	1/Month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	REPORT 01DAMX			1/Month	GRAB
Heat (winter) (per Hr.) 81387 1 Effluent Gross Value	SAMPLE MEASUREMENT	125	240	MBTU/HR	*****	*****	*****	*****	0	1/Day	Calcd
	PERMIT REQUIREMENT	REPORT 01MOAV	662 01DAMX		*****	*****	*****			1/Day	CALCTD
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343		06431						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

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".

New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0025411
MONITORING REPORT TYPE: Surface Water Discharge N
MONITORING PERIOD: 5/1/2002 - 5/31/2002

MONITORED LOCATION: 462B dsn 462B - dsw outfall
MONITORED LOCATION GROUP: N/A
REGION / COUNTY: Southern / Salem County

REPORT RECIPIENT:
PSE&G
P.O. BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
HOPE CREEK GENERATING STATION
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

CHECK IF APPLICABLE: ☐ No Discharge this Monitoring Period

MONITORING REPORT COMMENTS: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and 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. See 18 U.S.C. § 1319.

(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

Vice President - Nuclear
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-2900
AREA CODE / TELEPHONE NUMBER

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

6/24/2002
DATE (MONTH / DAY / YEAR)

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

462B dsn 462B - dsw outfall

5/1/2002 TO 5/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	.010	.021	MGD	*****	*****	*****	*****	0	1/Day	Meter
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Day	METER
BOD, 5-Day (20 oC) 00310 1 Effluent Gross Value	SAMPLE MEASUREMENT	0	0	KG/DAY	*****	*****	*****	*****	0	1/Month	Compos
	PERMIT REQUIREMENT	8 01MOAV	REPORT 01DAMX		*****	*****	*****			1/Month	COMPOS
BOD, 5-Day (20 oC) 00310 K Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	98.5	*****	*****	PERCENT	0	1/Month	Calctd
	PERMIT REQUIREMENT	*****	*****		87.5 01DAMN	*****	*****			1/Month	CALCTD
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	8	8	MG/L	0	1/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	REPORT 01DAMX			1/Month	COMPOS
Solids, Total Suspended 00530 K Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	98	*****	*****	PERCENT	0	1/Month	Calctd
	PERMIT REQUIREMENT	*****	*****		85 01MOAVMN	*****	*****			1/Month	CALCTD
Oil and Grease 00556 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	0	0	MG/L	0	1/Month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX			1/Month	GRAB
Coliform, Fecal General 74055 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	<1	#/100ML	0	1/Month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	200 01MOGE	400 01WKGE			1/Month	GRAB
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343	*****	06431						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

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 "rosenwi@dep.state.nj.us".

PERMIT NUMBER:

MONITORED LOCATION:

MONITORING PERIOD:

FACILITY NAME:

NJ0025411

461C DSN 461C - DSW intern:

5/1/2002 TO 5/31/2002

HOPE CREEK GENERATING STATION

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQ. OF ANALYSIS	SAMPLE TYPE
Flow, In Conduit or Thru Treatment Plant 50050 1 Effluent Gross Value	SAMPLE MEASUREMENT	.031	.080	MGD	*****	*****	*****	*****	0	Continuous	Meter
	PERMIT REQUIREMENT	REPORT 01MOAV	REPORT 01DAMX		*****	*****	*****			Continuous	METER
Solids, Total Suspended 00530 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	5	5	MG/L	0	1/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	30 01MOAV	100 01DAMX			1/Month	COMPOS
Petrol Hydrocarbons, Total Recoverable 45501 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	<1	MG/L	0	2/Month	Grab
	PERMIT REQUIREMENT	*****	*****		*****	10 01MOAV	15 01DAMX			2/Month	GRAB
Carbon, Tot Organic (TOC) 00680 1 Effluent Gross Value	SAMPLE MEASUREMENT	*****	*****	*****	*****	10	10	MG/L	0	1/Month	Compos
	PERMIT REQUIREMENT	*****	*****		*****	REPORT 01MOAV	50 01DAMX			1/Month	COMPOS
Lab Certification # 99999 99 Lab	SAMPLE MEASUREMENT	17451	77343		06431						
	PERMIT REQUIREMENT	REPORT Lab #	REPORT Lab #		REPORT Lab #	REPORT Lab #	REPORT Lab #			Not Applic	NOT AP

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".

New Jersey Department of Environmental Protection
Division of Water Quality

MONITORING REPORT SUBMITTAL FORM

NJPDES PERMIT NUMBER: NJ0025411
MONITORING REPORT TYPE: Surface Water Discharge N
MONITORING PERIOD: 5/1/2002 - 5/31/2002

MONITORED LOCATION: 461C DSN 461C - DSW internal
MONITORED LOCATION GROUP: N/A
REGION / COUNTY: Southern / Salem County

REPORT RECIPIENT:
PSE&G
P.O. BOX 236/N21
HANCOCKS BRIDGE, NJ 08038

LOCATION OF ACTIVITY:
HOPE CREEK GENERATING STATION
ARTIFICIAL ISLAND
FOOT OF BUTTONWOOD RD
LOWER ALLOWAYS CREEK, NJ 08038-0000

CHECK IF APPLICABLE: ☐ No Discharge this Monitoring Period

MONITORING REPORT COMMENTS: _____

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(Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years.)

Vice President - Nucor
NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

856-339-2900
AREA CODE / TELEPHONE NUMBER

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DATE (MONTH / DAY / YEAR)