

NJPDES PERMIT 000 5550

GPU Nuclear Corporation

Comments for Oyster Creek - September 1984

1. The Oyster Creek Nuclear Generating Station did not operate during the month of September 1984 as a result of the maintenance/refueling outage currently in progress.
2. Circulating water pumps 1-1 was operated on September 5, 14 through 30, 1984.
Circulating water pump 1-2 was operated on September 5 through 10, and 12 through 30, 1984.
Circulating water pumps 1-3 and 1-4 were operated all days during September.
3. Dilution pumps 1-1, 1-2, and 1-3 were not operated in September.
4. The main condensers were chlorinated all days during September except September 14, 1984.
5. The dilution factor for Oyster Creek was six for all days during the month.
6. Due to operating and calibration problems with the Continuous Chlorine Monitor, daily grab samples are taken with the analytical results determined by amperometric titration. These data are supplied with the monthly monitoring report as detailed in the letter to your office dated July 25, 1977.
7. During the third quarter 1984, plant screenings were taken to the Southern Ocean Landfill.
8. Note on Intake Velocity Determination: Due to the uncertainty regarding the operational status of the circulating water pumps as they were tested following a long outage it was not clear whether or not we would need to determine intake velocity during the month of September and a tide gauge reading was not obtained. The intake velocity determination for the month of September was based upon a conservatively estimated water height of 20 feet. The intake velocity was estimated to be 1.00 ft/sec average and 1.41 ft/sec maximum. Normally, water height is determined by reading a tide gauge located on the station's intake structure. Because the station was operating four circulating water pumps, with six intake ports open and six intake screens operable during the latter half of the month, the intake velocity could only have been exceeded if unusually high water levels (21 ft. or greater) occurred. Such high water levels have never been measured since we began monitoring water height in 1976. For the purposes of the September intake velocity calculation, therefore, water height was estimated at 20 feet, a height which has been attained only once since 1976.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Expires 2-29-84

NAME GPU NUCLEAR
ADDRESS 100 INTERPACE PARKWAY
PARSIPPANY NE 07054

NJ010555L
PERMIT NUMBER

001A
DISCHARGE NUMBER

F - FINAL LIMITS

FACILITY _____
LOCATION _____

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
84	09	31	84	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

ATTN: EXECUTIVE VICE PRESIDENT

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****	*****	15.9	18.6	25.8	0	cont.	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.C	CONTINUOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	16.1	18.7	26	0	cont.	
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	41.10	DEG.C	CONTINUOUS	
THERMAL DISCHARGE MILLION BTUS PER HR 00015 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT			MBTU/	0	32	155	0		
	PERMIT REQUIREMENT	*****	5420	HR	*****	*****	*****	*****	SEE PERMIT	
TEMP. DIFF. BETWEEN SAMPLE AND UPSTREAM 00016 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	0	.1	1.4			
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	12.80	DEG.C	SEE PERMIT	
PH 00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	7.5	7.8	7.9	0	30/30	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.50	*****	6.50	SU	TWICE/GRAB WEEK	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				331	550	662	0	cont.	
	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	CONTINUOUS	
CHLORINE, FREE AVAILABLE 50064 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			KG/	0	.05	.06	0	29/30	
	PERMIT REQUIREMENT	*****	*****	DAY	*****	0.20	0.50	MG/L	CONTINUOUS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Peter B. Fiedler
Vice President & Director
Oyster Creek
TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 5 years.)

P. Fiedler
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 971-4796
AREA CODE NUMBER
DATE
84 10 10
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
FREQUENCY OF ANALYSIS IS FOR FREE AVAILABLE CHLORINE SHALL BE CONTINUOUS DURING CHLORINATION PERIODS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME EXECUTIVE VICE PRESIDENT
ADDRESS GPU NUCLEAR
100 INTERPACE PARKWAY
PARSIPPANY NJ 07054
FACILITY
LOCATION LACEY /TWP/

PERMIT NUMBER NJ0005550
DISCHARGE NUMBER 001

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	84	09	01		84	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

OYSTER CREEK
COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS (46-53)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
81380 2 VELOCITY	SAMPLE MEASUREMENT	*****	*****						1	0/30*	NA
INFLUENT	PERMIT REQUIREMENT	*****	*****		*****	1.00	2.20	FT/SEC		1/31	NA
	SAMPLE MEASUREMENT				*See item 8 comments page						
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Peter B. Fiedler
Vice President and Director
Oyster Creek
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
P. Fiedler

TELEPHONE 609 971-4796
DATE 84 10 10
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
FREQUENCY OF ANALYSIS FOR FREE AVAILABLE CHLORINE SHALL BE CONTINUOUS DURING OPERATIONAL PERIODS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Expires 2-29-84

NAME GPU NUCLEAR
ADDRESS 100 INTERPACE PARKWAY
PARSIPPANY NE 07654

NJ000550 PERMIT NUMBER
MLL A DISCHARGE NUMBER

F - FINAL LIMITS

FACILITY
LOCATION

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
84	09	01	84	09	30	
(20-21)		(22-23)		(24-25)		(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

ATTN: EXECUTIVE VICE PRESIDENT

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	23.3	27.5	31.7		0	2/30	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	45	DEG.C		TWICE/MONTH	GRAB
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	*****	*****	*****	19.3	21.4	23.6		0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	DEG.C		SEE PERMIT	
THERMAL DISCHARGE MILLION BTUS PER HR 00015 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT			MBTU/HR	*****	*****	*****	*****	0		
	PERMIT REQUIREMENT	*****	49.40	HR	*****	*****	*****	*****		SEE PERMIT	
TEMP. DIFF. BETWEEN SAMPLE AND UPSTREAM 00016 2 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****	*****	4.1	6.1	7.9		0		
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	15	DEG.C		SEE PERMIT	
PH 00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	7.8	7.8	7.9		0	2/30	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.50	*****	8.50	SU		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****	*****	*****	*****	0	2/30	
	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****		TWICE/MONTH	
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			KG/DAY	NOT CHLORINATED						
	PERMIT REQUIREMENT	*****	*****	DAY	*****	0.20	0.50	MG/L		SEE PERMIT	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Peter B. Fiedler
Vice President & Director
Oyster Creek
TYPED OR PRINTED

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Peter B. Fiedler
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
609 971-4796
AREA CODE NUMBER
DATE
84 10 10
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
DIS REC IS HEAT EXCHANGE COOLING WATER

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004
Expires 2-29-84

NAME GPU NUCLEAR
ADDRESS 130 INTERPAQ PARKWAY
PARSIFFANY NE 07654

PERMIT NUMBER NJ0005550
DISCHARGE NUMBER DMW A

F - FINAL LIMITS

FACILITY _____
LOCATION _____

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	84	09	01		84	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	PRES IDENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS (46-53)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW RATE					*****	*****	*****	*****			
00050 1 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED		*****	*****	GPU	*****	*****	*****	*****		ONCE/ MONTH	COMPOS
00030 1 0 EFFLUENT GROSS VALUE		0.73	2.40	DAY	*****	*****	*****	MG/L		ONCE/ MONTH	COMPOS
					NO DISCHARGE						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Vice President & Director
Oyster Creek
TYPED OR PRINTED

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[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
609	971-4796	84	10	10
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
DIS DMR IS DEMONSTRALIZER WASTES

NAME GPU NUCLEAK
 ADDRESS 100 INTERPAGE PARKWAY
PARSIPPANY NE 07054

N0000550
 PERMIT NUMBER

STP A
 DISCHARGE NUMBER

F - FINAL LIMITS

FACILITY _____
 LOCATION _____

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
84	09	01	84	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

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ATTN: EXECUTIVE VICE PRES IDENT

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT				*****	*****	*****	*****		
00056 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPU	*****	*****	*****	*****	ONCE/MONTH	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT			KG/	*****					
00310 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.14	1.70	DAY	*****	30	45	MG/L	ONCE/MONTH	COMPOS
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6	*****	9	DU	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			KG/	*****					
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.14	1.70	DAY	*****	30	45	MG/L	ONCE/MONTH	COMPOS
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	*****	*****			#/		
74055 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	200	400	100ML	ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT				NO DISCHARGE					
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Peter B. Fiedler
 Vice President & Director
 Oyster Creek
 TYPED OR PRINTED

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 USC § 1001 AND 33 USC § 1319. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

P. Fiedler
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 609 971-4796
 DATE: 84 10 10
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 DISCH STP IS SEWAGE TREATMENT PLANT WASTE