

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)

NAME GPU NUCLEAR

ADDRESS 100 INTERPACE PARKWAY

PARSIPPANY

NE 07054

FACILITY

LOCATION

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

(2-16)

(17-19)

F - FINAL LIMITS

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

NJ060555

PERMIT NUMBER

001 A

DISCHARGE NUMBER

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)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			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	SAMPLE MEASUREMENT	*****	*****	*****	15.9	18.6	25.8	0	cont.	
RAW SEW/INFLUENT	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****		CONTIN UOUS	
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0	SAMPLE MEASUREMENT	*****	*****	*****	16.1	18.7	26	0	cont.	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	41.10		CONTIN UOUS	
THERMAL DISCHARGE MILLION BTUS PER HR. 00015 2 0	SAMPLE MEASUREMENT			MBTU/ HR	0	32	155	0		
EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	5420	HR	*****	*****	*****		SEE PERMIT	
TEMP. DIFF. BETWEEN SAMPLE AND UPSTREAM 00016 2 0	SAMPLE MEASUREMENT	*****	*****	*****	0	.1	1.4			
EFFLUENT NET VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	12.80		SEE PERMIT	
PH 00400 1 0	SAMPLE MEASUREMENT	*****	*****	*****	7.5	7.8	7.9	0	30/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.50	*****	8.50		TWICE/GRAB WEEK	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	SAMPLE MEASUREMENT				331	550	662	0	cont.	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****		CONTIN UOUS	
CHLORINE, FREE AVAILABLE 50064 1 0	SAMPLE MEASUREMENT			KG/ DAY	0	.05	.06	0	29/30	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	DAY	*****	0.20	0.50		CONTIN UOUS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.					TELEPHONE		DATE	
Peter B. Fiedler Vice President & Director Oyster Creek										
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					609 AREA CODE	971-4796 NUMBER	84 YEAR	10 10 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.

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/

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

(2-16) NJ0005550 I 001
 PERMIT NUMBER DISCHARGE NUMBER

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

40001-24001

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

17 Z L

OYSTER CREEK
 COOLING WATER

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(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			
81380 2 VELOCITY	SAMPLE MEASUREMENT	*****	*****					1	0/30*	NA
INFLUENT	PERMIT REQUIREMENT	*****	*****		*****	1.00	2.20		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									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Peter B. Fiedler Vice President and Director Oyster Creek TYPED OR PRINTED			609 971-4796 AREA CODE NUMBER	84 10 10 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

FREQUENCY OF ANALYSIS FOR FREE AVAILABLE CHLORINE SHALL BE CONTINUOUS DURING CHLORINATION 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

PERMIT NUMBER
NJ000550

DISCHARGE NUMBER
MLL 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.

ATTN: EXECUTIVE VICE PRESIDENT

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				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.	7.3	11.3	14.3	*****	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				2.88	2.88	2.88	*****	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

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 SIG-
NIFICANT 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.

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

609
AREA
CODE

971-4796
NUMBER

84
YEAR

10
MO

10
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 100 INTERPAC PARKWAY
PARSONS NE 07654

(2-16) NJ0005550
PERMIT NUMBER
(17-19) DMW A
DISCHARGE NUMBER

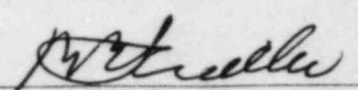
F - FINAL LIMITS

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 (38-43)	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	SAMPLE MEASUREMENT				*****	*****	*****	*****		
00050 1 0	PERMIT REQUIREMENT	*****	*****	GPU	*****	*****	*****	*****	ONCE/ MONTH	COMPOS
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			KG/	*****					
SOLIDS, TOTAL	PERMIT REQUIREMENT	0.73	2.40	DAY	*****	*****	*****	MG/L	ONCE/ MONTH	COMPOS
00530 1 0	SAMPLE MEASUREMENT				NO DISCHARGE					
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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. (Penalty under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
Peter B. Fiedler Vice President & Director Oyster Creek TYPED OR PRINTED			609 971-4796	84 10 10	AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

DISCHARGE IS DENIED/REJECTED WASTES

NAME GPU NUCLEAK
ADDRESS 100 INTERPAGE PARKWAY
PARSIPPANY NE 07054
FACILITY _____
LOCATION _____

N000555
PERMIT NUMBER

STP A
DISCHARGE NUMBER

F - FINAL LIMITS

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)

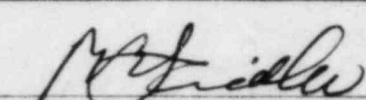
NOTE: Read instructions before completing this form.

ATTN: EXECUTIVE VICE PRES IDENT

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			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
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6	*****	9		DU	ONCE/ MONTH
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
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	*****	*****				#/	
74055 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	200	400		100ML	ONCE/ MONTH
	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.)


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)
DISCH STP IS SEWAGE TREATMENT PLANT WAS IL