

NAME LOUISIANA POWER & LIGHT CO
ADDRESS 1 V MAUBIN AVE CHALDY GROUMS
142 DELARUNE ST
NEW ORLEANS LA 70114
FACILITY CLAY DE KILLUNA
LOCATION UNA LA 70666

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

LA0007374

PERMIT NUMBER

001

DISCHARGE NUMBER

F - FINAL LIMITS
ONCE-THRU COOLING WATEROMB No. 2040-00
Expires 2-29-84

MONITORING PERIOD								
YEAR			MO			DAY		
85			04			01		
FROM			TO			85 04 30		

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING			(4 Card Only) (38-45) QUALITY OR CONCENTRATION			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)	
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (38-39)	AVERAGE (40-41)	MAXIMUM (42-43)				UNITS (44-45)
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	79.8	81.7		0	CONT	RCORD
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****				
THermal DISCHARGE MILLION BTUS PER HR 00015 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	1.0x10 ¹⁰	MBTU/	*****	DAILY AV	DAILY MX		1*	CONT	RCORD
	PERMIT REQUIREMENT	*****	*****	HK	*****	*****	*****				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1090	1440		*****	*****	*****		0	CONT	RCORD
	PERMIT REQUIREMENT	*****	1445	MOD	*****	*****	*****				
CHLORINE, FREE AVAILABLE 50064 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NOT MEASURED (NM)**	NM		*****	*****	NM		0	1/7-0	GRAB
	PERMIT REQUIREMENT	*****	502	LBS/DY	*****	*****	*****				
	SAMPLE MEASUREMENT	DAILY AV	DAILY MX				DAILY MX				
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear

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 § 1335. 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

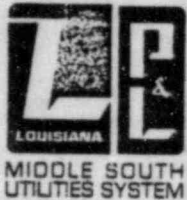
TELEPHONE

DATE

504 464-3120 85 05 15

AREA CODE NUMBER YEAR MO DAY

8506040399 850430
PDR ADOCK 05000382
R PDR



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET • P.O. BOX 8008
NEW ORLEANS, LOUISIANA 70174-8008 • (504) 388-2345

May 15, 1985

W3P85-1036
3-A25.01.02
A4.10

Mr. Myron O. Knudson, P.E.
Director, Water Management Division
Environmental Protection Agency
Region VI
First International Building
1201 Elm Street
Dallas, Texas 75270

SUBJECT: Waterford Steam Electric Station
Unit Number 3
NPDES Permit No. LA 0007374

Dear Mr. Knudson:

On April 11, 1985, the flow at outfall 002 was 0.366 MGD which exceeded our permitted maximum flow of 0.232 MGD. We became aware of this noncompliance on May 13, 1985 while preparing the Discharge Monitoring Reports (DMRs) for April 1985. The exact cause of this unusually high flow is unknown, although there was overall a greater flow through this outfall this month than has been occurring. Flows for several days surrounding this day were at least an order of magnitude lower than this flow, and this one time-occurrence was the only exceedence during the month.

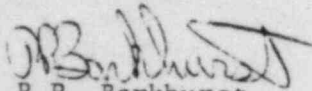
On April 21, 1985, the thermal discharge was calculated to be 1.0×10^{10} BTU/hr which exceeded our permit limitation of 8.5×10^9 BTU/hr. We became aware of this apparent noncompliance also while preparing the April DMRs on May 13, 1985. This parameter is calculated by multiplying the instantaneous temperature rise across the condenser by the flow occurring at that point in time. This calculated value appears to have exceeded our permitted limitation for approximately 4-6 hours on April 21, 1985, however this value is artificially high. Only 5 of 6 condenser water boxes were in service during this time; the sixth was opened to inspect for leakage, so that although there were 4 circulating water pumps in operation, there was significantly less flow than what we credit 4 pump operation from pump curve data. Since there is no mechanism to compensate for this flow reduction, or to physically measure the flow rate, we are obligated to report and use the full-flow 4 pump flow rate to calculate thermal discharge although we know that the actual flow rate was significantly less. Hence the actual thermal discharge is significantly less than the reported, calculated value.

W3P85-1036

Page 2

Should you wish to discuss this matter further, please contact Chadi Groome of our Nuclear Licensing Office at (504) 595-2846.

Very truly yours,



R.P. Barkhurst
Plant Manager-Nuclear

RPB/CDG/ch

cc: J. Dale Givens - LA DEQ
US NRC - R.D. Martin - Region IV
G.W. Knighton - NRR

NAME _____ LUISA M. FLORES
ADDRESS _____ V. BORDABERRY
_____ 292 DELANOE ST.
_____ NEW BRUNSWICK, N.J. 08901
FACILITY _____ U.S. AIR FORCE
LOCATION _____ 1st AFB, NC

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
85	04	01			85	04
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53)			(4 Card Only) (38-45)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)								
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
PH	SAMPLE MEASUREMENT	***	***	***	6.0	***	***	8.9	***	0	1/B-16	GRAB	
EFFLUENT CROSS VALU	PERMIT REQUIREMENT	***	***	***	MINIMUM	***	***	MAXIMUM	***		UNCL/GRAB		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***	0	1/B-16	GRAB	
EFFLUENT CROSS VALU	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***		UNCL/GRAB		
USE AND DRENCH (SOLUBLE LAKES 1.1)	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***	0	1/B-16	GRAB	
EFFLUENT CROSS VALU	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***		UNCL/GRAB		
SURFACTANTS (MDS)	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***	0	1/B-16	GRAB	
EFFLUENT CROSS VALU	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***		UNCL/GRAB		
FLOW IN CONDUIT - R	SAMPLE MEASUREMENT	0.0069	0.0140	***	***	***	***	***	***	0	DAILY	RCORDE	
THRU TREATMENT PLANT	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***		DAILY	RCORDE	
SOLIDS	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***				
EFFLUENT CROSS VALU	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***				
	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***				
	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***				
	SAMPLE MEASUREMENT	***	***	***	***	***	***	***	***				
	PERMIT REQUIREMENT	***	***	***	***	***	***	***	***				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear

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 18 USC § 1011 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)

R.P. Barkhurst

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

504 464-3120

AREA CODE NUMBER

DATE

85 05 15

YEAR MO DAY

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

NO VIOLATIONS

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

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

F - FINAL LIMITS
BORON MANAGEMENT SYSTEM

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

NAME LOUISIANA POWER & LIGHT CO
ADDRESS L V MAURIN ATTN: CHADY GROOMS
142 DELARONDE ST
NEW ORLEANS LA 70174
CITY CITY OF KILLONA
LOCATION ONA LA 70066

LA0007374
PERMIT NUMBER

018
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
85	04	01		85	04	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

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 (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
H		*****	*****	*****	6.0	*****	8.7		0	1/B-16	GRAB
0400 1 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/ BATCH	GRAB
OLIDS, TOTAL UNSPENDED		*****	*****	*****	*****	<1.0	<1.0		0	1/B-16	GRAB
0530 1 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 DAILY AV	100 DAILY MX	MG/L		ONCE/ BATCH	GRAB
IL AND GREASE SOLUBLE EXTRACT TOTAL		*****	*****	*****	*****	<1.0	<1.0		0	1/B-16	GRAB
0550 1 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15 DAILY AV	20 DAILY MX	MG/L		ONCE/ BATCH	GRAB
BORON, TOTAL (AS B)		*****	*****	*****	*****	2.8	9.8		0	1/B-16	GRAB
1022 1 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	10 DAILY AV	10 DAILY MX	MG/L		ONCE/ BATCH	GRAB
LOW, IN CONDUIT OR TREATMENT PLANT		0.0066	0.0149		*****	*****	*****	*****	0	DAILY	RECORD
0050 1 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.0144 30DA AVG	***** DAILY MX	MGD	*****	*****	*****	*****		DAILY	RECORD
	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 HEREON 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 PROVIDING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 33 USC § 1361 AND 33 USC § 1362. (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

504
AREA
CODE

464-3120
NUMBER

85 05 15
YEAR MO DAY

C.P. Barkhurst
Plant Manager-Nuclear
TYPED OR PRINTED

HEREBY CERTIFY THAT NO DISCHARGE OF POLLUTING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.
BATCH MEASUREMENT FREQUENCY FOR BORON, OIL & GREASE, TSS AND PH.

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

NAME LOUISIANA POWER & LIGHT CO
 ADDRESS L V MAURIN AITN; CHADY GROOMS
142 DELARONDE ST
NEW ORLEANS LA 70174
 FACILITY CITY OF KILLONA
 LOCATION INA LA 70066

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

(2-16)
 LA0007374
 PERMIT NUMBER

(17-19)
 DIC
 DISCHARGE NUMBER

F - FINAL LIMITS
 PRETREATMENT FILTER FLUSH WATER

Form Approved
 OMB No. 2040-000
 Expires 2-29-84

MONITORING PERIOD								
YEAR			MO			DAY		
FROM	85	04	01	TO	85	04	30	
	(12-11)	(12-12)	(12-13)		(12-17)	(12-18)	(12-19)	

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 (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.5	*****	7.2		0	1/7-4	GRAB
00410 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	SU		WEEKLY	GRAB
ALKALINITY, TOTAL (AS CaCO3)	SAMPLE MEASUREMENT	<1.0	<1.0		*****	*****	*****	*****	0	1/7-4	GRAB
00410 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	9.9	17		*****	*****	*****	*****	0	1/7-4	GRAB
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****		WEEKLY	GRAB
TOTAL ORGANIC CARBON (TOC)	SAMPLE MEASUREMENT	7.6	16		*****	*****	*****	*****	0	1/7-4	GRAB
00680 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****	*****		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.108	0.375		*****	*****	*****	*****	0	DAILY	RECORD
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.720 30DA AVG	.960 DAILY MX	MGD	*****	*****	*****	*****		DAILY	RECORD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
 Plant Manager-Nuclear

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 PROVIDING 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

504

464-3120

85

05

15

AREA CODE

NUMBER

YEAR

MO

DAY

PHENOL AND ALL OTHERS IN ANY PORTION OF EFFLUENT. (Reference all effluents here.)
 USE PHENOLPHATHALLIN TO TEST ALKALINITY.
 REPORT THE DAILY AVG OF CLARIFYING AGENTS USED.

NAME LOUISIANA POWER & LIGHT CO
ADDRESS 1 V MAURIN AVE; CHADDOY GROOMS
142 DELABOND ST
NEW ORLEANS LA 70174
FACILITY CITY OF KILLINA
LOCATION LA 70160

LA0007374
PERMIT NUMBER

002
DISCHARGE NUMBER

F - FINAL LIMITS
FLOOR DRAINAGE (YARD SEPARATOR)

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 85	04	01	TO 85	04	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	<div></div>	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (34-51)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.0	*****	9.0	SU	0	1/7-4	GRAB
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM				WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.9	6.5	MG/L	0	1/7-4	GRAB
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 DAILY AV	100 DAILY MX				WEEKLY GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT	SAMPLE MEASUREMENT	*****	*****	*****	*****	7.0	16	MG/L	0	1/7-4	GRAB
00550 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15 DAILY AV	20 DAILY MX				WEEKLY GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.107	0.366	MGD	*****	*****	*****	*****	1*	DAILY	RCORDR
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.147 30DA AVG	.232 DAILY MX		*****	*****	*****	*****		DAILY	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear

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 33 USC § 1361 AND 33 USC § 1362. (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

504 464-3120 85 05 15
AREA CODE NUMBER YEAR MO DAY

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

* Noncompliance notification attached.



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET • P.O. BOX 8008
NEW ORLEANS, LOUISIANA 70174-8008 • (504) 388-2345

May 15, 1985

W3P85-1036
3-A25.01.02
A4.10

Mr. Myron O. Knudson, P.E.
Director, Water Management Division
Environmental Protection Agency
Region VI
First International Building
1201 Elm Street
Dallas, Texas 75270

SUBJECT: Waterford Steam Electric Station
Unit Number 3
NPDES Permit No. LA 0007374

Dear Mr. Knudson:

On April 11, 1985, the flow at outfall 002 was 0.366 MGD which exceeded our permitted maximum flow of 0.232 MGD. We became aware of this noncompliance on May 13, 1985 while preparing the Discharge Monitoring Reports (DMRs) for April 1985. The exact cause of this unusually high flow is unknown, although there was overall a greater flow through this outfall this month than has been occurring. Flows for several days surrounding this day were at least an order of magnitude lower than this flow, and this one time-occurrence was the only exceedence during the month.

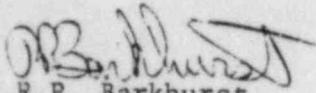
On April 21, 1985, the thermal discharge was calculated to be 1.0×10^{10} BTU/hr which exceeded our permit limitation of 8.5×10^9 BTU/hr. We became aware of this apparent noncompliance also while preparing the April DMRs on May 13, 1985. This parameter is calculated by multiplying the instantaneous temperature rise across the condenser by the flow occurring at that point in time. This calculated value appears to have exceeded our permitted limitation for approximately 4-6 hours on April 21, 1985, however this value is artificially high. Only 5 of 6 condenser water boxes were in service during this time; the sixth was opened to inspect for leakage, so that although there were 4 circulating water pumps in operation, there was significantly less flow than what we credit 4 pump operation from pump curve data. Since there is no mechanism to compensate for this flow reduction, or to physically measure the flow rate, we are obligated to report and use the full-flow 4 pump flow rate to calculate thermal discharge although we know that the actual flow rate was significantly less. Hence the actual thermal discharge is significantly less than the reported, calculated value.

W3P85-1036

Page 2

Should you wish to discuss this matter further, please contact Chadi Groome of our Nuclear Licensing Office at (504) 595-2846.

Very truly yours,


R.P. Barkhurst
Plant Manager-Nuclear

RPB/CDG/ch

cc: J. Dale Givens - LA DEQ
US NRC - R.D. Martin - Region IV
G.W. Knighton - NRR

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

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

Form Approved
OMB No. 2040-000
Expires 2-29-84

NAME LOUISIANA POWER & LIGHT CO
ADDRESS L V MAURIN ATIN; CHADY GROOMS
142 DE LAUNDE ST
NEW ORLEANS LA 70174
FACILITY CITY DE KILLONA
LOCATION LNA LA 70066

LA0007574

PERMIT NUMBER

003

DISCHARGE NUMBER

F - FINAL LIMITS

SERVICE BLDG FLOOR DRAINAGE

MONITORING PERIOD								
YEAR			MO			DAY		
FROM	85	04	01	TO	85	04	30	
	(12-21)	(22-31)	(24-25)		(26-27)	(28-29)	(30-31)	

NOTE: Read instructions before completing this form.

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			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.0	*****	6.6	0	1/7-4	GRAB
00400 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	6.8	20	0	1/7-4	GRAB
00530 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	*****	*****	30 DAILY AV	100 DAILY MX		WEEKLY	GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.7	7.0	0	1/7-4	GRAB
00550 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	*****	*****	15 DAILY AV	20 DAILY MX		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	<0.001	<0.001	MGD	*****	*****	*****	0	DAILY	RCORDR
50050 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	.05 30DA AVG	.05 DAILY MX		*****	*****	*****		DAILY	RCORR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear

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 33 USC § 1301 AND 33 USC § 1324. (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

504 464-3120
AREA CODE NUMBER

85 05 15
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

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

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

Form Approved
OMB No. 2040-000
Expires 2-29-84
F - FINAL LIMITS
ADMIN BLDG SANITARY DISCHARGE

NAME LOUISIANA POWER & LIGHT CO
ADDRESS L V MAURIN ATTN: CHADY GROOMS
142 DELARONUE ST
NEW ORLEANS LA 70174
FACILITY CITY OF KILLONA
LOCATION LA 70060

LA0007374
PERMIT NUMBER

004
DISCHARGE NUMBER

MONITORING PERIOD								
YEAR			MO			DAY		
FROM	85	04	01	TO	85	04	30	
	(12-21)	(12-22)	(12-23)		(12-27)	(12-28)	(12-31)	

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53)			(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			
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALU PH	SAMPLE MEASUREMENT	0.02	0.02		*****	27	35	0	1/7-4	GRAB
	PERMIT REQUIREMENT	1.0 DAILY AV	2.1 DAILY MX	LBS/DY	*****	30 DAILY AV	45 DAILY MX		WEEKLY	GRAB
	SAMPLE MEASUREMENT	*****	*****	*****	6.2	*****	6.3	0	1/7-4	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		WEEKLY	GRAB
00400 1 0 EFFLUENT GROSS VALU SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALU FLOW, IN CONDUIT OR THRU TREATMENT PLAN 50050 1 0 EFFLUENT GROSS VALU	SAMPLE MEASUREMENT	0.011	0.03		*****	12	35	0	1/7-4	GRAB
	PERMIT REQUIREMENT	1.0 DAILY AV	2.1 DAILY MX	LBS/DY	*****	30 DAILY AV	45 DAILY MX		WEEKLY	GRAB
	SAMPLE MEASUREMENT	<0.001	<0.001		*****	*****	*****	0	DAILY	RCORDE
	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	DAILY	RCORDE
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear

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 PROVIDING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1229. (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

504 464-3120

85 05 15

AREA
CODE

NUMBER

YEAR

MO

DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM EXCEPT IN TRACE AMOUNTS.

NAME LOUISIANA POWER & LIGHT CO
ADDRESS L V MAURIN ATIN: CHADY CROOKS
142 DELAWARE ST
NEW ORLEANS LA 70174
FACILITY CITY OF KILLINA
LOCATION NA LA 70060

LA0007374
PERMIT NUMBER

005
DISCHARGE NUMBER

F - FINAL LIMITS
ON-SITE OFFICES DISCHARGE *

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
85	04	04	TO	85	04	30
(10-11)	(12-14)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.06	0.15	LBS/DY	*****	24	35	0	1/7-4	GRAB
	PERMIT REQUIREMENT	1.0 DAILY AV	2.1 DAILY MX		*****	30 DAILY AV	45 DAILY MX		WEEKLY	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.5	*****	7.2	0	1/7-4	GRAB
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		6.0 MINIMUM	*****	9.0 MAXIMUM		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.04	0.13	LBS/DY	*****	14	30	0	1/7-4	GRAB
	PERMIT REQUIREMENT	1.0 DAILY AV	2.1 DAILY MX		*****	30 DAILY AV	45 DAILY MX		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<0.001	<0.001	MGD	*****	*****	*****	0	DAILY	RCORDR
	PERMIT REQUIREMENT	*****	*****		*****	*****	*****		DAILY	RCORDR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R.P. Barkhurst
Plant Manager-Nuclear
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 40 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.

R.P. Barkhurst
SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

TELEPHONE

504 | 464-3120

DATE

85 | 05 | 15
YEAR | MO | DAY

AREA
CODE

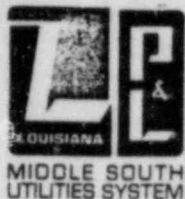
NUMBER

YEAR

MO

DAY

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



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET
NEW ORLEANS, LOUISIANA

• P.O. BOX 6008
70174-6008

• (504) 386-2345

May 15, 1985

W3P85-1034
A4.10

Mr. Roger C. Hartung, Chief
Enforcement Branch, 6W-E
U. S. Environmental Protection Agency
Region VI
Interfirst Two Building
1201 Elm Street
Dallas, Texas 75270

SUBJECT: Waterford Steam Electric Station - Unit Number 3
NPDES Permit Number LA0007374

Dear Mr. Hartung:

As required by Part I.C.2 of the subject permit as administratively modified by your letter of September 12, 1983, Discharge Monitoring Reports (DMR's) for April 1985 are enclosed. Copies of this letter and the DMR's are also being submitted to the Office of Water Resources of the Louisiana Department of Environmental Quality.

Please note that although I have signed each DMR, I am making the following certification which appears in 40 CFR 122.22(d) (published at 48 FR 39619 on September 1, 1983) in lieu of that printed on the DMR (EPA Form 3320-1 (Rev. 10-79)):

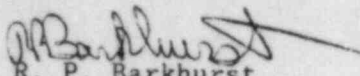
I certify under penalty of law that this document and all attachments were prepared under [my] direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

LE25
1/1

Mr. Roger C. Hartung
W3P85-1034
Page 2.

Should you have any questions or comments, please contact Ms. Chadi Groome of our Nuclear Licensing Office at (504) 595-2846.

Yours very truly,


R. P. Barkhurst
Plant Manager-Nuclear

RPB/CDG/smb

Attachment

cc (w/Attachments): J. D. Givens - LA DEQ
R. D. Martin - Region IV
G. W. Knighton - NRR

NS40674SEG .