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REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9003090043 DOC. DATE: 90/02/22 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME AUTHOR AFFILIATION
 FIELDS, J.S. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 WILKES, J.J. Pennsylvania, Commonwealth of

SUBJECT: Forwards "NPDES Discharge Monitoring Rept for Jan 1990." R
 One noncompliance noted. I

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NOTES: LPDR 1 cy Transcripts. 05000387 S
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	RGNI DRSS/RPB	2	2	RGNI FILE 02	1	1	
EXTERNAL:	BNL TICHLER, J03	1	1	EG&G SIMPSON, F	2	2	
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NOTES:		2	2				

NOTE TO ALL "RIDS" RECIPIENTS:

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Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

February 22, 1990

Mr. John J. Wilkes, Jr.
Chief, Operations Section
Bureau of Water Quality Management
Pennsylvania Department of Environmental Resources
90 East Union Street, 2nd Floor
Wilkes-Barre, PA 18701-3296

SUSQUEHANNA STEAM ELECTRIC STATION
DISCHARGE MONITORING REPORT - JANUARY, 1990
NPDES PERMIT NO. PA 0047325
CCN 741326 FILE R9-8A
PLE-12224

Dear Mr. Wilkes:

Pursuant to Part A, 3.b.(1) of NPDES Permit No. PA 0047325, enclosed please find the Susquehanna Steam Electric Station discharge monitoring report for January 1990. Also enclosed is Pennsylvania Department of Environmental Resources' Monthly Facility Report Form (01-112).

There was one noncompliance in January. The noncompliance was recorded for zinc on the Cooling Tower Blowdown on January 25, 1990. The zinc level was recorded at 7.70 mg/l (Limit = 1.0 mg/l). This excursion was believed to be a result of a non-representative sample technique. Samples are taken by an automatic composite sampler which is attached to the Cooling Tower Blowdown Sample Line. In its present configuration, solids are allowed to build up in a "dead-leg" in the sampler. When the sampler receives its signal to composite, the contents of the "dead-leg" are deposited in the sample container. This sample is not representative of what is actually flowing through the blowdown line.

In an effort to resolve this problem, the use of the automatic sampler has been discontinued and manual, eight-hour composites initiated. Manual sampling will allow for an adequate sample line flush and a more representative sample. A comparison between the two methods of sampling was performed in early February and the results confirm this theory. Also, samples collected from the Cooling Tower Basin confirm that the composite sampler results are not representative.

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PDR ADOCK 05000387
R PNU

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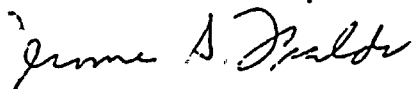
February 22, 1990

-2-

CCN 741326 PLE-12224
FILE R9-8A
To: John J. Wilkes, Jr.

If you have any questions, please contact me at (215) 770-7889.

Respectfully yours,


Jerome S. Fields
Senior Environmental Scientist-Nuclear

jsf/1ta1931i(26)

Enclosures

cc: EPA Region III
NRC Document Control Desk
NRC Region I
Mr. G. S. Barber, NRC Sr. Resident Inspector
Mr. M. C. Thadani, NRC Project Manager

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PENNSYLVANIA P U L - SUSQUEHANNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 19101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

PA0047325 079 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEDIMENTATION POND OVERFLOW

FACILITY _____
 LOCATION _____

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	01	01		90	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUFR 02)
 NOTE: Read instructions before completing this form.

ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L		ONCE/MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****						
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	<i>No discharge to</i>			*****	*****	*****				
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	PMPLOG
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

9003090049 900222
 PDR ADOCK 05000387
 R PNU

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995 DATE 90 2 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW AND PH SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER CONDITIONS.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME PENNSYLVANIA P & L - SUSQUEHANA

ADDRESS TWO NORTH NINTH STREET

ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

2A0047325
PERMIT NUMBER

071 A
DISCHARGE NUMBER

F - FINAL
COOLING TOWER BLOWDOWN

FACILITY _____

LOCATION _____

ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
90	01	01		90	01	31	
(20-21)		(22-23)		(24-25)		(26-27)	
		(28-29)		(30-31)			

MAJOR (SUBR 02)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (46-53)	UNITS (46-53)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (46-53)			
PH	SAMPLE MEASUREMENT	*****	*****		8.10	*****	8.70		0	DAILY GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	466.18	1142.47		*****	4.72	13.10		*	4/Month Comp-8
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	817 30DA AVG	REPORT DAILY MX	LBS/DY	*****	6.8 30DA AVG	REPORT DAILY MX	MG/L		WEEKLY COMP-8
IRON, DISSOLVED (AS FE)	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.10		*	4/Month Comp-8
01046 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT DAILY MX	MG/L		WEEKLY COMP-8
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****		*****	*****	7.70		1	4/Month Comp-8
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		WEEKLY COMP-8
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.010	0.015		*****	*****	*****		*	Daily Recorder
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY RCORDE
CHLORINE, FREE AVAILABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****	20.05		0	Daily GRAB
50064 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.20 DAILY MX	MG/L		DAILY GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres.
Nuclear Operations
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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 717 542-3995
DATE: 9/0 2 15
AREA CODE: 717 NUMBER: 542-3995 YEAR: 90 MO: 2 DAY: 15

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
CHROMIUM SHALL BE SAMPLED & REPORTED IN JULY EACH YEAR. SAMPLES FOR FREE AVAILABLE CHLORINE SHALL BE TAKEN DURING CHLORINATION. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. THERE SHALL BE NO DISCHARGE OF CHLORINATED POLYBIPHENYL COMPOUNDS. SEE PERMIT FOR RESTRICTIONS ON CHLORINATED POLYBIPHENYL COMPOUNDS. (REPLACES EPA FORM 40 WHICH MAY NOT BE USED)

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. (REPLACES EPA FORM 40 WHICH MAY NOT BE USED)

00305/121989-1015 PAGE 1 OF 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PENNSYLVANIA P & L - SUS WIPILA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

F - FINAL
 SERV AND ADMIN BUILDING 'SUMP

PA0047325
 PERMIT NUMBER

072 A
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	01	01		90	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

FACILITY _____
 LOCATION _____
 ATTN: J.T. KAUFFMAN, EXEC. VICE PRS

MAJOR (SUBR 02)
 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 (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.30	*****	7.40		0	DAILY	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	5.82	8.25		0	3/MONTH	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30	100	MG/L		ONCE/MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****		*****	1.68	2.28		0	3/MONTH	GRAB
PREON EXTR-GRAV METH	PERMIT REQUIREMENT	*****	*****	****	*****	15	20	MG/L		ONCE/MONTH	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.0105	0.0105		*****	*****	*****		*	DAILY	Estim
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT	REPORT	****	*****	*****	*****	****		DAILY	ESTIMA
50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres.
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995
 DATE 2/15

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW AND PH SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER REQUIREMENTS.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

NAME PENNSYLVANIA P & L - JUSQUENNA
ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

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

(2-16)

(17-19)

PA0047325
 PERMIT NUMBER

073 A
 DISCHARGE NUMBER

F - FINAL
 #1 TURBINE BUILDING OUTER SUMP

FACILITY _____
 LOCATION _____
 ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	01	01		90	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 02)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
PH	SAMPLE MEASUREMENT	*****	*****		7.75	*****	7.85		0	Daily GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	9.0	9.60		0	2/Month GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L		ONCE/MONTH GRAB
OIL AND GREASE FREON EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	1.35	2.70		0	2/Month GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	MG/L		ONCE/MONTH GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.0087	0.0087		*****	*****	*****		*	Daily ESTIM.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY ESTIMA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995
 DATE 2. 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW AND PH SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER REQUIREMENTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PENNSYLVANIA P & L - SUSQUEHANNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
PA0047325 **074 A**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 12 TURBINE BUILDING OUTER SURF

FACILITY _____
 LOCATION _____

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 90 01 01 TO 90 01 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR (SUBR 02)
 NOTE: Read instructions before completing this form.

ATTN: J. T. KAUFFMAN, EXEC. VICE PRES

PARAMETER (32-37)	X	(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			
PH	SAMPLE MEASUREMENT	*****	*****		7.65	*****	7.75		0	Daily	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	2.0	3.20		0	2/Month	Grab
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	HG/L		ONCE/MONTH	GRAB
OIL AND GREASE FROM EXTR-GRAV METH	SAMPLE MEASUREMENT	*****	*****		*****	1.67	1.94		0	2/Month	Grab
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	HG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.0087	0.0087		*****	*****	*****		*	Daily	Estim.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	HGD	*****	*****	*****	****		DAILY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Reiser - Sr. Vice Pres.
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 717 542-3995
 DATE: 90 2 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW AND PH SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER REQUIREMENTS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PENNSYLVANIA P & L - SUSQUANNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)
PA0007325 076 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 ACID AND CL BUILDING SUHP

FACILITY _____
 LOCATION _____
 ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD
 FROM YEAR 90 MO 01 DAY 01 TO YEAR 90 MO 01 DAY 31
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

MAJOR (SUHR 02)
 NOTE: Read Instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) 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			
PH	SAMPLE MEASUREMENT	*****	*****			*****					
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L		ONCE/ MONTH	GRAB
OIL AND GREASE FROM EXTRA-GRAV NETH	SAMPLE MEASUREMENT	*****	*****		*****						
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	MG/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	<i>No discharge</i>				*****	*****	*****			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres.
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE . DATE
717 542-3945 12 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW AND PH SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER REQUIREMENTS.

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

NAME PENNSYLVANIA P & L - SUSQUEHMA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

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

(2-16) (17-19)

PA0047325 079 A
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 SEWAGE TREATMENT EFFLUENT.

FACILITY _____
 LOCATION _____

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	01	01		90	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 02)
 NOTE: Read instructions before completing this form.

ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (46-53)			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 0 EFFLUENT GROSS VALUE	0.95	20	*****	LBS/DY	*****	8.20	60	*	1/MONTH	Comp-8
	PERMIT REQUIREMENT	30DA AVG	*****		*****	30DA AVG	DAILY MX		ONCE/MONTH	COMP-8
PH	*****	*****	*****		6.85	*****	7.75	0	DAILY	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0		DAILY	GRAB
					MINIMUM		MAXIMUM			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	1.10	20	*****	LBS/DY	*****	9.50	60	*	1/MONTH	Comp-8
	PERMIT REQUIREMENT	30DA AVG	*****		*****	30DA AVG	DAILY MX		ONCE/MONTH	COMP-8
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	0.015	0.08	0.028	MGD	*****	*****	*****	*	DAILY	Recorder
	PERMIT REQUIREMENT	30DA AVG	REPORT DAILY MX		*****	*****	*****		DAILY	PMPLOG
CHLORINE, FREE AVAILABLE 50064 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****		*****	0.23	0.45	*	DAILY	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT 30DA AVG	REPORT DAILY MX		DAILY	GRAB
BOD, PERCENT REMOVAL (TOTAL) 50076 2 0 0 EFFLUENT NET VALUE	*****	*****	*****		Footnote 2	*****	*****		Footnote 2	
	PERMIT REQUIREMENT	*****	*****	*****	85	*****	*****		ONCE/MONTH	GRAB
					MONTH MN					
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****		*****	23	*****	*	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	2000	*****		DAILY	GRAB
						30DA GEO	100ML			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 TYPED OR PRINTED

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[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995 DATE 9/15
 AREA CODE NUMBER YEAR MO DAY

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

THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER CONDITIONS.

Footnote 1 = Limit not included in Permit, Footnote 2 = Permit Requires 8 hour Composite Sample.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
 NAME PENNSYLVANIA P & L - SUSQUEHANA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

PA0047325
 PERMIT NUMBER

079 A
 DISCHARGE NUMBER

F - FINAL
 SEWAGE TREATMENT EFFLUENT

FACILITY _____
 LOCATION _____
 ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	01	01		90	01	31
(20-21)		(22-23) (24-25)		(26-27)		(28-29) (30-31)

MAJOR (SU8R 02)
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
BOD, 5-DAY PERCENT REMOVAL 81010 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		95.7	*****	*****		0	1/Month	Comp-8
	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-CENT		ONCE/MONTH	COMP-8
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	*****	*****		96.7	*****	*****		0	1/Month	Comp-8
	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-CENT		ONCE/MONTH	COMP-8
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Kaiser - Sr. Vice Pres.
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995
 DATE 90 2 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER CONDITIONS.

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

NAME PENNSYLVANIA P & L - SUSQUEHUNNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

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

(2-16)

(17-19)

PAC047325
 PERMIT NUMBER

171 A
 DISCHARGE NUMBER

F - FINAL
 RADWASTE TREATMENT EFFLUENT

FACILITY _____
 LOCATION _____

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
90	01	01		90	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBS 02)

NOTE: Read instructions before completing this form.

ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

PARAMETER (32-37)	X	(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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.0	0.0		0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	30	100			ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.011	0.043		*****	*****	*****		*	DAILY	Estim.
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3995
 DATE 7/2/15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 FLOW SHALL BE MEASURED DAILY WHEN DISCHARGING. OIL & GREASE SHALL BE SAMPLED AND REPORTED IN JULY EACH YEAR.

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location (if different)

NAME PENNSYLVANIA P & L - SUSQUEHUNNA

ADDRESS TWO NORTH NINTH STREET

ALLENTOWN PA 18101

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

PA0047325

PERMIT NUMBER

271 A

DISCHARGE NUMBER

F - FINAL
WASTE FILTER BYPASS

FACILITY

LOCATION

ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	01	01		90	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SU9R 02)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L		ONCE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<i>No discharge</i>			*****	*****	*****				
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	PHLOG
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

H.W. Keiser - Sr. Vice Pres.

Nuclear Operations

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

[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

717 542-3995

AREA CODE NUMBER

DATE

2 15

YEAR MO DAY

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

SAMPLES SHALL BE TAKEN PRIOR TO COMBINATION WITH CIRCULATION WATER SYSTEM. FLOW SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER

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

NAME PENNSYLVANIA P & L - SUSQUEHANNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

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

210047325
 PERMIT NUMBER

371 A
 DISCHARGE NUMBER

F - FINAL
 NEUTRALIZATION BASIN DISCHARGE

FACILITY _____
 LOCATION _____

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
93	01	01		90	01	31
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 02)
 NOTE: Read instructions before completing this form.

ATTN: J.P. KAUFFMAN, EXEC. VICE PRES

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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	25.2	25.2	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	30 30DA AVG	100 DAILY MX		ONCE/MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV NETS 00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	0.0	0.0	0	1/MONTH	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	15 30DA AVG	20 DAILY MX		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	0.013	0.018		*****	*****	*****	*****	*	DAILY	Estim.
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****		DAILY	ESTIMA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3495 DATE 90 2 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SAMPLES SHALL BE TAKEN PRIOR TO COMBINATION WITH CIRCULATING WATER SYSTEM. FLOW SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR OTHER CONDITIONS.

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

NAME PENNSYLVANIA P & L - SUSQUEHNA
 ADDRESS TWO NORTH NINTH STREET
ALLENTOWN PA 18101

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

(2-16) (17-19)

PA0647325
 PERMIT NUMBER

471 A
 DISCHARGE NUMBER

F - FINAL
 WASTE FILTER EFFLUENT

FACILITY _____
 LOCATION _____
 ATTN: J.T. KAUFFMAN, EXEC. VICE PRES

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	90	01	01		90	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

MAJOR (SUBR 02)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	30 30DA AVG	100 DAILY MX	MG/L		ONCE/ MONTH	GRAB
OIL AND GREASE FREON EXTR-GRAV METH 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****						
	PERMIT REQUIREMENT	*****	*****	****	*****	15 30DA AVG	20 DAILY MX	MG/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<i>No discharge</i>				*****	*****	*****			
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	PMPLOG
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.W. Keiser - Sr. Vice Pres
Nuclear Operations
 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 3 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 717 542-3495
 DATE 9/27/90
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Refer to all attachments here)
 SAMPLES SHALL BE TAKEN PRIOR TO COMBINATION WITH CIRCULATION WATER SYSTEM. FLOW SHALL BE MEASURED DAILY WHEN DISCHARGING. THERE SHALL BE NO DISCHARGE OF POLYCHLORINATED BIPHENYL COMPOUNDS. SEE PERMIT FOR GTH

MONTHLY FACILITY REPORT

Date Prepared 2/23/90

Facility Name Susquehanna Steam Electric Station PWS ID NO. 2400994

Facility Address P.O. Box 467
Berwick, PA 18603

NPDES Permit No. PA 0047325

Municipality Salem Township

Incinerator Permit Number(s) N/A

County Luzerne

Telephone Number (215) 770-7889

Person Completing Form Jerome S. Fields

(Print Name)

Signature *Jerome S. Fields*

Title Sr. Environmental Scientist

1. Total Hours Incinerator Operated N/A

2. Type of Fuel N/A

3. Total Fuel Usage N/A

4. Supplier of Fuel N/A

5. Estimated Amount of Sludge Incinerated N/A

6. Incinerator Ash Disposal N/A 7. Sludge Disposal Water Treatment

- (a) How Much (Tons) _____
- (b) Where _____
- (c) When (Last Occurrence) _____
- (d) Hauler _____
- (e) Receipts: Yes ___ No ___

- (a) How Much (Tons) 0
- (b) Where _____
- (c) When (Last Occurrence) _____
- (d) Hauler _____
- (e) Receipts: Yes ___ No ___

8. Other Wastes (Grits, Barscreening, etc.)

- (a) How Much (Tons) 0
- (b) Where _____
- (c) When (Last Occurrence) _____
- (d) Hauler _____
- (e) Receipts: Yes ___ No ___

9. Septic Tank Waste Accepted: Yes ___ No X

10. If yes:

- (a) Volume _____
- (b) Hauler(s) _____ Percent (%) Hauled _____

11. Analysis Performed to ensure tank waste contains no industrial waste

- (a) Yes ___ No ___
- (b) If yes, frequency _____

12. Additional Comments: 12,700 gal. of Septic Tank waste taken offsite and treated at Shickshinny Sewage Treatment Plant.



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