

B610270227 B61021
 PDR ADDCK 05000387
 PDR

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

NAME - PENNA. POWER & LIGHT COMPANY
 ADDRESS - 2ND NORTH NINTH ST.
 ALLENTOWN, PA 18101
 ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
 TELEPHONE #215-770-7889
 FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-070

DESCRIPTION:

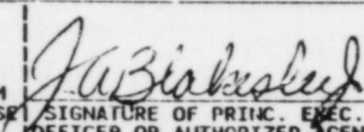
S-2 SEDIMENTATION POND

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
 YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE TO			*****	*****	*****	*****	*****	*	
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	---	1/DAY	PUMP RT. OR NEIR
PH	SAMPLE MEASUREMENT	*****	*****	*****		*****					
00400 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	STD. UNITS	---	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00530 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MX	MG/L	---	1/MONTH	GRAB
OIL AND GREASE, FREQN EXTRACT.-GRAV	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00556 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MX	MG/L	---	1/MONTH	GRAB

NOTE 1: FLOW AND PH MEASURED ONCE PER DAY WHEN DISCHARGED TO.
 WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. OFFICER: H. M. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86

COMMENT AND EXPLANATION OF ANY VIOLATIONS(REFERENCE ALL ATTACHMENTS HERE)

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-MUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-071

DESCRIPTION:

COOLING TOWER BLOWDOWN

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	5.73	11.06	*****	*****	*****	*	1/DAY	MEASURED
50050 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	---	1/DAY	RECORDED
PH	SAMPLE MEASUREMENT	*****	*****	7.18	*****	*****	---	---	---
00400 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	6.0 MINIMUM	*****	8.23 MAXIMUM	0	1/DAY	GRAB
CHLORINE, FREE AVAILABLE	SAMPLE MEASUREMENT	*****	*****	*****	*****	9.0 MAXIMUM	---	1/DAY	GRAB
50064 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	0.08 AVERAGE	*****	0.50 INST MAX	0	1/DAY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	*****	*****	*****	*****	---	---	---	---
01034 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	---	---	---	---
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	116	255	*****	*****	0.20 DAILY MAX	---	1/YEAR	8 HR COMP.
01045 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	817.0 AV MONTH	*****	*****	*****	---	---	1/WEEK	8 HR COMP.
IRON, DISSOLVED (AS FE)	SAMPLE MEASUREMENT	*****	*****	*****	2.35 AV MONTH	3.89	*	1/WEEK	8 HR COMP.
01046 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.78	1.16	---	1/WEEK	8 HR COMP.
NOTE 1: CHLORINE AVERAGE = MAXIMUM MONTHLY 2-HOUR AVERAGE. CHLORINE MONITORED ONLY DURING CHLORINATION.		*****	*****	*****	*****	7.0 INST MAX	---	1/WEEK	8 HR COMP.

NOTE 2: Chromium was determined January, 1986

I, OFFICER, 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

H. M. KEISER
VICE PRESIDENT -
NUCLEAR OPERATIONS

H. M. Keiser
SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT

DATE 10/16/86

YEAR 1986 MONTH 10 DAY 16

COMMENT AND EXPLANATION OF ANY VIOLATIONS(REFERENCE ALL ATTACHMENTS HERE)

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-071

DESCRIPTION:

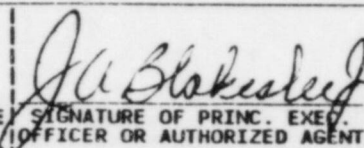
COOLING TOWER BLOWDOWN

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.25	0.41		0	1/WEEK	8HR COMP.
01092 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	1.0 DAILY MX	MG/L	—	1/WEEK	8 HR COMP.

NOTE 1: CHLORINE AVERAGE = MAXIMUM MONTHLY 2-HOUR AVERAGE.
CHLORINE MONITORED ONLY DURING CHLORINATION.

NAME/TITLE PR. EXEC. OFFICER H. M. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)

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

NAME - PENNA. POWER & LIGHT COMPANY
ADDRESS - TWO NORTH NINTH ST.
ALLENSTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NLK.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-072

DESCRIPTION:
SERVICE & ADMINISTRATION
BLDG SUPP
F - FINAL LIMITS

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	8000	8000			*	1/DAY	
50050 EFFLUENT GROSS VALUE	*****	*****	*****	*****	---	1/DAY	ESTIMATE
PH	*****	*****	*****	*****	---	1/DAY	ESTIMATE
00400 EFFLUENT GROSS VALUE	*****	*****	7.80	*****	0	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	6.0	*****	---	1/DAY	GRAB
00530 EFFLUENT GROSS VALUE	*****	*****	33.3	*****	0	1/MONTH	GRAB
OIL AND GREASE, FRENCH EXTRACT - GRAB	*****	*****	30.0	*****	---	1/MONTH	GRAB
00556 EFFLUENT GROSS VALUE	*****	*****	15.0	*****	0	1/MONTH	GRAB

NOTE 1: FLOW AND PH MEASURED WHEN DISCHARGED.
WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	DATE
H. M. KEISER VICE PRESIDENT - NUCLEAR OPERATIONS	<i>H. M. Keiser</i> SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	10/16/86
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)		YEAR MONTH DAY

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-073

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

DESCRIPTION:

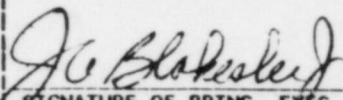
UNIT 1 TURBINE BLDG
OUTER AREA SUMP

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	7600	8700		*****	*****	*****	*****	*	1/DAY	ESTIMATE
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPD	*****	*****	*****	*****	—	1/DAY	ESTIMATE
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.88	*****	8.22		0	1/DAY	GRAB
00400 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	STD. UNITS	—	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	8.0	12.0		0	2/MONTH	GRAB
00530 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MX	MG/L	—	1/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT.-GRAV	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.3	3.4		0	2/MONTH	GRAB
00556 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MX	MG/L	—	1/MONTH	GRAB

NOTE 1: FLOW AND PH MEASURED WHEN DISCHARGED.

WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. OFFICER H. W. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)			YEAR	MON	DAY

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-MJC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-074

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

DESCRIPTION:
UNIT 2 TURBINE BLDG
OUTER AREA SUMP
F - FINAL LIMITS

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	7850	8700						
50050 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	1/DAY	ESTIMATE
PH	*****	*****	*****	*****	*****	*****	1/DAY	ESTIMATE
00400 EFFLUENT GROSS VALUE	*****	*****	7.94	*****	8.25	*****	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	*****	1/DAY	GRAB
00530 EFFLUENT GROSS VALUE	*****	*****	*****	4.7	5.0	*****	2/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT. -GRAV	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MAX	*****	1/MONTH	GRAB
00556 EFFLUENT GROSS VALUE	*****	*****	*****	7.4	11.4	*****	2/MONTH	GRAB
	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MAX	*****	1/MONTH	GRAB

NOTE 1: FLOW AND PH MEASURED WHEN DISCHARGED.
WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	DATE
H. M. KETSER VICE PRESIDENT - NUCLEAR OPERATIONS	<i>H. M. Ketser</i> SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	10/16/86
COMMENT AND EXPLANATION OF ANY VIOLATIONS(REFERENCE ALL ATTACHMENTS HERE)		YEAR MONTH DAY

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE 215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-076

DESCRIPTION:

ACID & CHLORINE
BLDG SUMP

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OP THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****	*****	*		
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPD	*****	*****	*****	*****	---	1/DAY	ESTIMATE
PH	SAMPLE MEASUREMENT	*****	*****	*****		*****					
00400 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	STD. UNITS	---	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00530 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MX	MG/L	---	1/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT.-GRAV	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00556 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MX	MG/L	---	1/MONTH	GRAB

NOTE 1: FLOW AND PH MEASURED WHEN DISCHARGED.
WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. OFFICER: H. W. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	<i>J. Blakesley</i> SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)			YEAR	MON	DAY

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-077

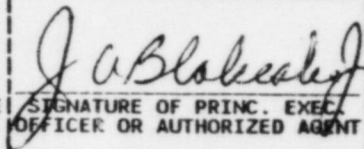
DESCRIPTION:

UNIT 1 CONDENSATE
STORAGE TANK AREA

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****	*****	*		
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPD	*****	*****	*****	*****	—	SEE PERMIT	SEE PERMIT

NAME/TITLE PR. EXEC. OFFICER H. M. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)

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

NAME- PENNA. POWER & LIGHT COMPANY/
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-078

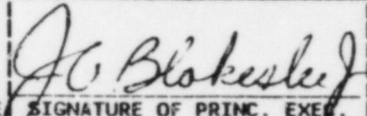
DESCRIPTION:

UNIT 2 CONDENSATE
STORAGE TANK AREA

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****	*****	—		
50050 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPD	*****	*****	*****	*****	—	SEE PERMIT	SEE PERMIT

NAME/TITLE PR. EXEC. OFFICER H. W. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE	
			10	16
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)			YEAR	MON/DAY

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

NAME- PENN. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH FIFTH ST.
ALLENSTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-MUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-079

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

DESCRIPTION:

SEWAGE TREATMENT PLANT

F - FINAL LIMITS

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT							
50050 EFFLUENT GROSS VALUE	0.038	0.056				1/DAY	WEIR
PH	0.080					1/DAY	PUMP RT. OR WEIR
00400 EFFLUENT GROSS VALUE			7.02		0	1/DAY	GRAB
SOLIDS, TOTAL SUSPENDED			6.0			1/DAY	GRAB
00530 EFFLUENT GROSS VALUE	4.9	10.7				2/MONTH	8HR. COMP.
BOD, 5-DAY (20 DEG. C)	20.0					1/MONTH	8 HR COMP.
00310 EFFLUENT GROSS VALUE	< 1.9	< 2.3				5/MONTH	8HR. COMP.
SOLIDS, TOTAL SUSPENDED REMOVED	20.0					1/MONTH	8 HR COMP.
81011 K PERCENT REMOVAL	94.8					9/MONTH	8HR. COMP.
BOD, 5-DAY PERCENT REMOVED	85					1/MONTH	8 HR COMP.
81010 K PERCENT REMOVAL	96.8					5/MONTH	8HR. COMP.
	85					1/MONTH	8 HR COMP.

NAME/TITLE PR. EXEC. 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	DATE
H. M. KEISER VICE PRESIDENT - NUCLEAR OPERATIONS	<i>H. M. Keiser</i>	10/16/86
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)	SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	YEAR MONTH DAY

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

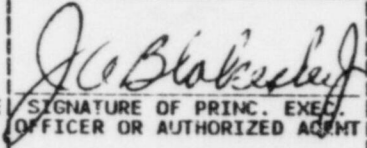
NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-079

DESCRIPTION:
SEWAGE TREATMENT PLANT
F - FINAL LIMITS

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHLORINE, FREE AVAILABLE	SAMPLE MEASUREMENT	*****	*****	*****	0.10	1.1	3.1		0	1/DAY	GRAB
50064 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L	—	1/DAY	GRAB
COLIFORM, FECAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	6.8	81		0	4/MONTH	GRAB
74055 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	200 AV MONTH	1000 MAXIMUM	\$/100ML	—	1/MONTH	GRAB

NAME/TITLE PR. EXEC. OFFICER H. M. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	86
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)			YEAR	MON	DAY

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

NAME - PENNA. POWER & LIGHT COMPANY
ADDRESS - TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-171
MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

DESCRIPTION:
RADWASTE TREATMENT
F - FINAL LIMITS

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.014	0.059	*****	*****	*	1/DAY	ESTIMATE
50050 P SEE NOTE 1 BELOW	*****	*****	*****	*****	---	1/DAY	ESTIMATE
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	1.9	0	1/MONTH	GRAB
00530 P SEE NOTE 1 BELOW	*****	*****	*****	30.0 AV MONTH	---	1/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT.-GRAV	*****	*****	*****	NOTE 2	---	---	---
00556 P SEE NOTE 1 BELOW	*****	*****	*****	15.0 AV MONTH	---	1/YEAR	GRAB

NOTE 2: OIL AND GREASE WAS DETERMINED IN January, 1986.

NOTE 1: LOCATION P-AT DISCHARGE FROM RADWASTE TREATMENT PRIOR TO COMBINING WITH THE CIRCULATING WATER SYSTEM. WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.		DATE
H. W. KEISER VICE PRESIDENT - NUCLEAR OPERATIONS	<i>H. W. Keiser</i>		10 16 86
COMMENT AND EXPLANATION OF ANY VIOLATIONS(REFERENCE ALL ATTACHMENTS HERE)	SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT		YEAR MONTH DAY

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-271

DESCRIPTION:

WASTE FILTER BYPASS


MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGES			*****	*****	*****	*****	*		
50050 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	—	1/DAY	PUMP RT. OR MEIR
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00530 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MX	MG/L	—	1/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT.-GRAV	SAMPLE MEASUREMENT	*****	*****	*****	*****						
00556 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MX	MG/L	—	1/MONTH	GRAB

The reactivator waste sludge is currently being treated at the site sewage treatment plant. The waste filter bypass was not in service during September.

NOTE 1: LOCATION P=AT DISCHARGE FROM WASTE FILTER BYPASS PRIOR TO COMBINING WITH THE CIRCULATING WATER SYSTEM. WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. OFFICER H. W. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	6	86

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)

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

NAME- PENNA. POWER & LIGHT COMPANY
ADDRESS- TWO NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-371

DESCRIPTION:

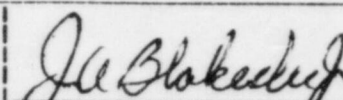
NEUTRALIZATION BASIN

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. OF EXCUR	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.023	0.054		*****	*****	*****	*****	*	1/DAY	ESTIMATE
50050 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	—	1/DAY	ESTIMATE
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	13.9	13.9		0	1/MONTH	GRAB
00530 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	30.0 AV MONTH	100.0 DAILY MX	MG/L	—	1/MONTH	GRAB
OIL AND GREASE, FREON EXTRACT.-GRAV	SAMPLE MEASUREMENT	*****	*****	*****	*****	2.8	2.8		0	1/MONTH	GRAB
00556 P SEE NOTE 1 BELOW	PERMIT REQUIREMENT	*****	*****	*****	*****	15.0 AV MONTH	20.0 DAILY MX	MG/L	—	1/MONTH	GRAB

NOTE 1: LOCATION P=AT DISCHARGE FROM NEUTRALIZATION BASIN PRIOR TO COMBINING WITH THE CIRCULATING WATER SYSTEM.
WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. OFFICER H. M. KEISER VICE PRESIDENT- NUCLEAR OPERATIONS	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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT	DATE		
			10	16	82

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)

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

NAME - PENNA. POWER & LIGHT COMPANY
ADDRESS - 170 NORTH NINTH ST.
ALLENTOWN, PA 18101
ATTN: J.S. FIELDS, SR. ENV. SCIENTIST-NUC.
TELEPHONE #215-770-7889
FACILITY-SUSQUEHANNA S.E.S.

PERMIT NUMBER-PA0047325 DISCHARGE NUMBER-471

DESCRIPTION:
WASTE FILTER EFFLUENT

MONITORING PERIOD- FROM 86/ 9/01 TO 86/ 9/30
YR MO DY YR MO DY

F - FINAL LIMITS

PARAMETER	QUALITY OR LOADING	QUALITY OR CONCENTRATION			NO. OF EXCURSIONS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MINIMUM	MAXIMUM			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	NO. DISCHARGE	*****	*****	*****	*****		
50050 P SEE NOTE 1 BELOW	MGD	*****	*****	*****	*****	1/DAY	PUMP RT. OR MEIR
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	*****		
00520 P SEE NOTE 1 BELOW	*****	*****	30.0 AV MONTH	100.0 DAILY MX	*****	1/MONTH	GRAB
OIL AND GREASE, FREQ. EXTRACT. -GRAB	*****	*****	*****	*****	*****		
00556 P SEE NOTE 1 BELOW	*****	*****	15.0 AV MONTH	20.0 DAILY MX	*****	1/MONTH	GRAB

NOTE 1: LOCATION P=AT DISCHARGE FROM WASTE FILTER PRIOR TO COMBINING WITH THE CIRCULATING WATER SYSTEM.
WE ALSO HAVE EPA APPROVAL TO USE MODIFIED PARTITION-IR METHOD FOR OIL AND GREASE ANALYSIS.

NAME/TITLE PR. EXEC. 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 RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFO., INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

H. M. KEISER
VICE PRESIDENT -
NUCLEAR OPERATIONS

H. M. Keiser
SIGNATURE OF PRINC. EXEC. OFFICER OR AUTHORIZED AGENT

DATE
10/16/86
YEAR MONTH DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)