



Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004

THOMAS P. NOONAN  
Division Vice President  
Nuclear Operations

(412) 393-7622  
Fax (412) 393-4905

October 23, 1995  
NPD3VPO: 0396

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

NPDES Monthly Report, EPA Permit No. PA0025615

SUBJECT: Beaver Valley Power Station, Unit No. 1 and No. 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73

Dear Sir:

Enclosed is a copy of the NPDES Monthly Report as submitted to the Pennsylvania Department of Environmental Resources and a copy of the final NPDES Permit for the Beaver Valley Power Station issued September 29, 1995.

Sincerely,

T. P. Noonan  
Division Vice President  
Nuclear Operations

DNH/trs

cc: D. A. Orndorf  
J. A. Cool  
N. R. Tonet  
Central File

010006

9511020344 950930  
PDR ADOCK 05000334  
R PDR

IE25  
11





Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004

THOMAS P. NOONAN  
Division Vice President  
Nuclear Operations

(412) 393-7622  
Fax (412) 393-4905

October 23, 1995  
NPD3VPO: 0395

United States Environmental Protection Agency  
Region III, Pennsylvania (3WM53)  
Water Permits Branch  
Water Management Division  
841 Chestnut Street  
Philadelphia, PA 19107

NPDES Monthly Report, EPA Permit No. PA0025615

Dear Sir:

This letter forwards a copy of our NPDES Monthly Report as submitted to the Pennsylvania Department of Environmental Resources, Bureau of Water Quality Management

Sincerely,

T. P. Noonan  
Division Vice President  
Nuclear Operations

DNH/trs

Attachment

cc: D. A. Orndorf  
J. A. Cool  
N. R. Tonet  
Central File





Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004

THOMAS P. NOONAN  
Division Vice President  
Nuclear Operations

(412) 393-7622  
Fax (412) 393-4905

October 23, 1995  
NPD3VPO: 0394

Attention: "DMR Clerk"  
Department of Environmental Resources  
Bureau of Water Quality Management  
400 Waterfront Drive  
Pittsburgh, PA 15222

NPDES Monthly Report, EPA Permit Number PA0025615

Gentlemen:

NPDES Monthly Report for Duquesne Light Company, Beaver Valley Power Station for September 1995 is submitted for your consideration.

Please be advised that required techniques, even if performed properly, do not measure actual conditions with 100 percent accuracy 100 percent of the time, and therefore, some reported values in the attached DMRs may not represent actual conditions with absolute accuracy.

Sincerely,

T. P. Noonan  
Division Vice President  
Nuclear Operations

DNH/trs

Enclosure

cc: D. A. Orndorf  
J. A. Cool  
N. R. Tonet  
Central File

DELIVERING  
QUALITY  
ENERGY





Facility Name/Address (include location if different)

NAME **BEAVER VALLEY POWER STATION**

ADDRESS **P.O. BOX 4**

**ATTN: DAVID ORNDORF**

**SHIPPINGPORT**

**PA 15077**

FACILITY

LOCATION

**ATTN: DAVID ORNDORF**

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

**PA0025615**

PERMIT NUMBER

**101 A**

DISCHARGE NUMBER

**101 CHEMICAL WASTE TREATMENT**

(SOBR 05) Form Approved. **12305**

F M FINAL OMB No. 2040-0004

HAJOR

Approval expires 10-31-94

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
95	09	01	TO	95	09	30	
(20-21)		(22-23)		(24-25)		(26-27)	
		(28-29)		(30-31)			

**\*\*\* NO DISCHARGE \*\*\***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH		*****	*****		6.73	*****	7.66	(12)	0 1/7	G
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.0	*****	9.0			WEEKLYGRAB
	PERMIT REQUIREMENT	*****	*****	****	WIDTUNE	*****	MAXIMUM	50		
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	****	*****	8.4	20.5	(19)	0 1/7	24HR
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	100			WEEKLYCONP
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	****	*****	<5	<5	(19)	0 1/7	G
PRECN EXTRA GRAY WET	PERMIT REQUIREMENT	*****	*****	****	*****	15	20			WEEKLYGRAB
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	NA	NA	(19)	0 NA	NA
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLYGRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLYGRAB
00610 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	DAILY MX	MG/L		0 1/DAY CONT
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.003	0.009	(100)	*****	*****	*****			DAILY CONTIN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	NO AVG	*****	*****	*****			
HYDRAZINE	SAMPLE MEASUREMENT	*****	*****	****	*****	NA	NA	(19)	0 NA	NA
01313 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLYGRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David Orndorf  
Chemistry Manager

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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 18 USC § 1310. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

*David Orndorf*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

412-393-5113 95 10 23  
AREA CODE NUMBER YEAR MO DAY

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

**HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. No periods of wet layup existed.**

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

NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**201 A**  
 DISCHARGE NUMBER

**201 SOFTENER REGENERANTS**  
 (SUBR 05) Form Approved. **12305**  
**P " FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* 20 DISCHARGE [X] \*\*\***  
 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 (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH 00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	( 12)			TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	NO AVG	100	SO			TWICE/GRAB MONTH
OIL AND GREASE FROM EXTRA GRAY WATER 00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	DAILY MX	MG/L			TWICE/GRAB MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO FLOW			( 03)	*****	15	20			TWICE/GRAB MONTH
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MG/D	*****	*****	*****	*****			TWICE/ESTIMA MONTH
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113**  
 DATE **95 10 23**  
 AREA CODE NUMBER YEAR MO DAY

**NO DISCHARGE**





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

NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

**401 A**  
 DISCHARGE NUMBER

**CHEM. FEED AREA OF AUX BOILERS**  
**(SUBR 05)** Form Approved. **12345**  
**F & FINAL MAJOR** OMB No. 2040-0004  
 Approval expires 10 31 94

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	09	01		95	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE [X] \*\*\***  
 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 (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH		*****	*****							
00300 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	REPORT	( 12)		TWICE/GRAB
SOLIDS, TOTAL	SAMPLE MEASUREMENT	*****	*****		MINIMUM		MAXIMUM	50		MONTH
SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****			( 19)		
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	30	100			TWICE/GRAB
OIL AND GREASE	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	DAILY HI	MG/L		MONTH
FROM BYTR GRAV METER	SAMPLE MEASUREMENT	*****	*****		*****			( 19)		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15	20			TWICE/GRAB
FLOW, IN CONDUIT OR	SAMPLE MEASUREMENT	NO DISCHARGE		( 03)	*****	NO AVG	DAILY HI	MG/L		MONTH
THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		WEEKLY/STINA
50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NO AVG	DAILY HI	MG/L	*****	*****	*****	****		
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 Chemistry Manager  
 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113**  
 DATE **95 10 23**  
 AREA CODE NUMBER YEAR MO DAY

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

**NO FLOW**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 8**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615**  
 PERMIT NUMBER  
**501 A**  
 DISCHARGE NUMBER

UNIT 1 GENRTR BLVDWN FILT BW  
 (SUBR 05) Form Approved. 12345  
 P M FINAL OMB No. 2040-0004  
 MAJOR App expires 10-31-94

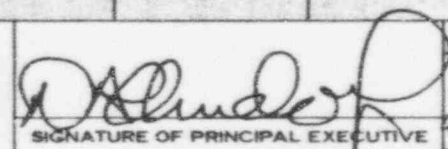
MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE \*\*\*  \*\*\*  
 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 (38-45) (46-53) (54-61)			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		*****	*****		*****			( 19)		
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****	*****	****	*****	30	100			WEEKLYGRAB
EFFLUENT GROSS VALUE		*****	*****	****	*****	NO AVG	DAILY MX			WEEKLYESTIMA
		NO DISCHARGE		( 03)	*****	*****	*****			
		REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 Chemistry Manager  
 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 APPROPRIATE PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 13 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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE  
 412 393-5113

DATE  
 95 10 23

AREA CODE NUMBER YEAR MO DAY

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

**NO DISCHARGE**

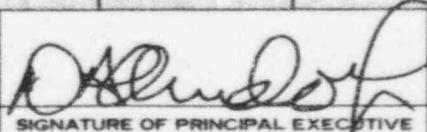
PERMITTEE NAME/ADDRESS (Include Facility Name/location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PAD025615** **001 A**  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR MO DAY TO YEAR MO DAY  
**95 09 01** TO **95 09 30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**EWIPS 1&2 COOLG. TOWER BLWDN.**  
 (SUBR 05) Form Approved. 12345  
**P # FINAL** OMB No. 2040-0004  
**HAJOR** Approval expires 10-31-94

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		8.33	*****	8.49	(12)	0 1/7	G
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			WEEKLYGRAB
00610 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	NA	NA	(19)	0 NA	NA
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY MX			WEEKLYGRAB
50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	44,928	52,416	(03)	*****	*****	*****		0 daily	CONTIN
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY CONTIN
50060 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.04	0.08	(19)	0 2/DAY	G
	PERMIT REQUIREMENT	*****	*****	****	*****	0.2	0.5			CONTINUOUS
01313 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	NA	(19)	0 NA	NA
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0			WEEKLYGRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  David Orndorf Chemistry Manager  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE 412 393-5113	DATE 95 10 23
--	--	---	---------------------------	------------------

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Refer to all attachments here)  
**HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. QUARTERLY SAMPLING TO BE CONDUCTED IN SAME MONTH. No periods of wet layup existed.**

Facility Name/Location if different

NAME **BEAVER VALLEY POWER STATION**

ADDRESS **P.O. BOX 4**

**ATTN: DAVID ORNDORF**

**SHIPPINGPORT**

**PA 15077**

FACILITY

LOCATION

**ATTN: DAVID ORNDORF**

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

**PA0025615**

PERMIT NUMBER

**001 B**

DISCHARGE NUMBER

UNITS 1 & 2 COOL TOWER BLOWDOWN  
(SUBR 05) Form Approved. 12345  
F M FINAL OMB No. 2040-0004  
MAJOR Approval expires 10-31-94

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	07	01		95	09	31

\*\*\* NO DISCHARGE  \*\*\*  
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (46-53) (54-61)			QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BRYLLIUM, TOTAL (AS BE) 01012 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<0.005	<0.005	(19)	0	2/90 G
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY MX	MG/L		TWICE GRAB QTRLY
2-CHLOROPHENOL 34586 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<0.0011	<0.0011	(19)	0	2/90 G
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY MX	MG/L		TWICE GRAB QTRLY
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

David Orndorf  
Chemistry Manager

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY KNOWLEDGE 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 PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 18 U.S.C. § 1002. Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.

*David Orndorf*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

412 393-5113 95 10 23  
AREA CODE NUMBER YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)

**PA0025615**  
 PERMIT NUMBER

**102 A**  
 DISCHARGE NUMBER

**102 INTAKE SCREENHOUSE**  
 (SUBR 05) Form Approved. 12345  
**FINAL MAJOR** OMB No. 2040-0004  
 Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS (54-61)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PR		*****	*****		7.69	*****	7.79	(12)	0	2/30	G
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	SO		TRICK/CRAW	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	SO		MONTH	
50130 1 0 0 SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		5.5	*****	6.2	(19)	0	2/30	G
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	MG/L		TRICK/CRAW	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	MG/L		MONTH	
00556 1 0 0 OIL AND GREASE FROM WATER TREATMENT	SAMPLE MEASUREMENT	*****	*****		<5	*****	<5	(19)	0	2/30	G
00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	15	*****	20	MG/L		TRICK/CRAW	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	MG/L		MONTH	
50050 1 0 0 FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.001	0.001	(03)	*****	*****	*****		0	2/30	EST
50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	REPORT	REPORT	MGD	*****	*****	*****			TRICK/ESTIM	
	PERMIT REQUIREMENT	NO AVG	DAILY ME	MGD	*****	*****	*****			MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 Chemistry Manager  
 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**412 393-5113**  
 AREA CODE NUMBER

DATE  
**95 10 23**  
 YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SNIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

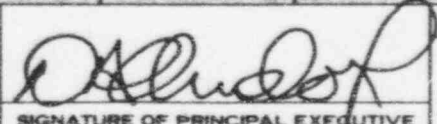
**002 A**  
 DISCHARGE NUMBER

INTAKE SCREEN BACKWASH  
 (SUBR 05) Form Approved. 12305  
 FEDERAL OMB No. 2040-0004  
 MAJOR Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

\*\*\* NO DISCHARGE  \*\*\*  
 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 (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	0.006	0.046	(:03)	*****	*****	*****	*****	0	1/7	ST	
	PERMIT REQUIREMENT	REPORT NO. AVG.	REPORT DAILY MAX	MGD	*****	*****	*****	****		UNREPRESENTATIVE	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  David Orndorf Chemistry Manager  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.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	412 393-5113	95	10	23

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

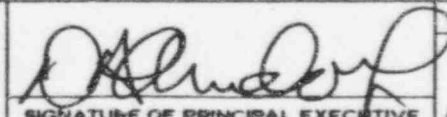
**103 A**  
 DISCHARGE NUMBER

**SLUDGE SETTLING BASIN**  
 (SUBR 05) Form Approved. 12385  
**F & FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE !!!**  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				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)	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.82	*****	7.88	( 12)	0	2/30	G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	50			TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	<4	<4	( 19)	0	2/30	24H
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30	NO AVG	100	MG/L			TWICE/COMP 24 HOURS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.002	0.002	( 03)	*****	*****	*****		0	2/30	EST
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO. AVG	REPORT DAILY/HK	MGD	*****	*****	*****	****			TWICE/ESTIMATE MONTH
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
David Orndorf Chemistry Manager			412   393-5113	95	10	23	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

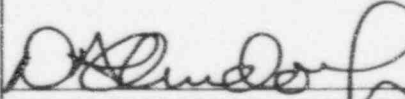
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 8**  
**ATTN: DAVID ORNDORF**  
**SNIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615** (PERMIT NUMBER)  
**203 A** (DISCHARGE NUMBER)  
 MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**MAIN SEWAGE TMT PLANT**  
 (SUBR 05) Form Approved. **12345**  
**P # FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		6.03	*****	6.68	( 12)	0	2/30 G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	50		TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	23.1	29.3	( 19)	0	2/30 BHC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 NO AVG	60 DAILY MX	MG/L		TWICE/COMP#8 MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.02	0.04	( 03)	*****	*****	*****		0	1/7 MEASRD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.023 NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		WEEKLY MEASRD
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	196 200 DIT 2/23/95	*****	( 13)	0	3/30 G
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200 300L GED	*****	1 100ML		TWICE/GRAB MONTH
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	*****	*****		*****	5.0	6.5	( 19)	0	2/30 BHC
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	25 NO AVG	50 DAILY MX	MG/L		TWICE/COMP#8 MONTH
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
David Orndorf Chemistry Manager TYPED OR PRINTED		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	412   393-5113	95	10

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



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BRAYER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615**  
 PERMIT NUMBER  
**303 A**  
 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**UNIT 1 OIL WATER SEPARATOR**  
**(SOBR 05)** Form Approved. **12345**  
**P # FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLING TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.02	*****	7.02	(12)	0 1/7	G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			WEEKLYGRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	<4	<4	(19)	0 1/7	G
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30	100			WEEKLYGRAB
OIL AND GREASE FROM EXTRA GRAV MESH	SAMPLE MEASUREMENT	*****	*****		*****	NO AVG	DAILY MX	MG/L		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15	20		0 1/7	G
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.004	0.056	(03)	*****	*****	*****		0 1/7	Est
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		WEEKLYESTIMA
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 SEVERANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 18 USC § 1010 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**412 393-5113**  
 AREA CODE NUMBER  
 DATE  
**95 10 23**  
 YEAR MO DAY

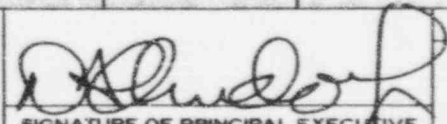
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
*This oil and water separator was isolated during the last three weeks of September.*

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615**  
 PERMIT NUMBER  
**403 A**  
 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**CONDENSATE BLOWDOWN & RIVER WAY**  
 (SUBR 05) Form Approved. 12345  
**F \* FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94  
**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.31	*****	7.97	( 12)	0 1/7	G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	50		WEEKLYGRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	4.6	6.2	( 19)	0 1/7	G
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 NO AVG	100 DAILY MX	MG/L		WEEKLYGRAB
OIL AND GREASE FROM EXTRA GRAB WITH	SAMPLE MEASUREMENT	*****	*****		*****	<5	<5	( 19)	0 1/7	G
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 NO AVG	20 DAILY MX	MG/L		WEEKLYGRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	*****	*****		*****	NA	NA	( 19)	0 NA	NA
00610 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY MX	MG/L		WEEKLYGRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.005	0.010	( 03)	*****	*****	*****		0 1/7	ESC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		WEEKLYESTIMA
HYDRAZINE	SAMPLE MEASUREMENT	*****	*****		*****	*****	NA	( 19)	0 NA	NA
01313 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0. DAILY MX	MG/L		WEEKLYGRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 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.)	TELEPHONE	DATE		
David Orndorf Chemistry Manager TYPED OR PRINTED		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	412 393-5113 AREA CODE NUMBER	95	10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. No periods of wet layup existed.**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 9**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615** (PERMIT NUMBER)  
**003 A** (DISCHARGE NUMBER)  
 MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**003 UNCONTAMINATED STORM WATER (SOBR 05)** Form Approved. **12305**  
**P # FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW, IN CONDDIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.013	0.072	(03)	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY HI	MGD	*****	*****	*****	****			EST
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113**  
 DATE **95 10 23**  
 AREA CODE NUMBER YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**004 A**  
 DISCHARGE NUMBER

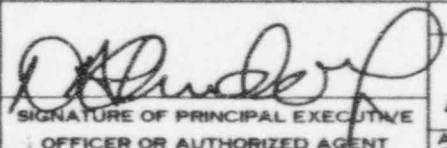
**UNIT ONE COOLG TOWER OVERFLOW**  
 (SUBR 05) Form Approved. 12385  
**P \* FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
95	09	01		95	09	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE  \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			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		*****	*****							
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	5.0 MINIMUM	*****	9.0 MAXIMUM			WEEKLY GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO FLOW			(03)	*****	*****			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO. AVG	REPORT DAILY BY HGD		*****	*****	*****	***		WEEKLY BASED
CHLORINE, FREE AVAILABLE	SAMPLE MEASUREMENT	*****	*****		*****				(19)	
50054 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	0.2 DAILY BY	0.5 INST. MAX			CONTINUOUS
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  David Orndorf Chemistry Manager  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.	TELEPHONE  412   393-5113	DATE		
			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA CODE	NUMBER

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

**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615** (PERMIT NUMBER)  
**006 A** (DISCHARGE NUMBER)  
 MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

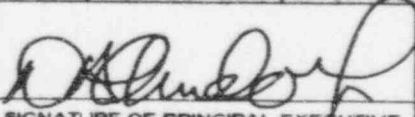
**BOX INTAKE SCREEN BACKWASH**  
 (SUBR 05) Form Approved. **12345**  
**P F FINAL** OMB No. 2040-0004  
**HAJAZ** Approval expires 10-31-94

**\*\*\* NO DISCHARGE \*\*\***  
 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)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR TRHD TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	0.002	0.016	(: 03)	*****	*****	*****		0	1/7	ESC	
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY ME	SGD	*****	*****	*****	****		SECRETSTINA	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 18 USC § 1010. 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  
**412 393-5113**  
 AREA CODE NUMBER  
 DATE  
**95 10 23**  
 YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

**007 A**  
 DISCHARGE NUMBER

**NO. INTAKE SYSTEM**  
**(SOBR 05)** Form Approved. **12345**  
**F. FINAL** OMB No. 2040-0004  
**HAZOP** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE [X] \*\*\***  
 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)				NO. LX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR TANK TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	<b>NO FLOW</b>			(: 03)	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT NO: AVG	REPORT DAILY MAX	HGD	*****	*****	*****	****			WEEKLY/STINA
CHLORINE, FREE AVAILABLE 50064 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****			( 19)			
	PERMIT REQUIREMENT	*****	*****	****	*****	0.2 DAILY MAX	0.5 INST MAX	MG/L			WEEKLY/CAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 Chemistry Manager  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 412 393-5113  
 DATE: 95 10 23  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**MONITORING FOR FLOW AND FREE AVAILABLE CHLORINE ARE REQUIRED ONLY DURING THOSE PERIODS OF DISCHARGE FROM THE ALTERNATE FLOW PATH OF THE REACTOR PLANT RIVER WATER SYSTEM. NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**

ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

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

(2-16) **PA0025615**  
 PERMIT NUMBER

(17-19) **006 A**  
 DISCHARGE NUMBER

**UNIT 1 COOLING TOWER PUMPHOUSE**  
**(S0BR 05)** Form Approved. **12345**  
**P.F. FINAL** OMB No. 2040-0004  
**HAJOR** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

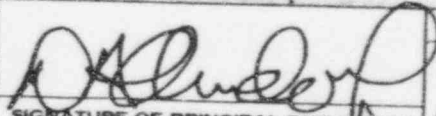
\*\*\* NO DISCHARGE  \*\*\*

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 (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH		*****	*****		8.08	*****	8.27	(12)	0	2/30 G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.0	*****	9.0		0	TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	30	12.0	(19)	0	2/30 G
OIL AND GREASE FROM EXTRA GRAV. WBT	SAMPLE MEASUREMENT	*****	*****		*****	*****	NO AVG	100		TWICE/GRAB MONTH
00556 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	15	20	30		0	2/30 G
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.001	0.001	(-03)	*****	*****	*****			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MAX	MGD	*****	*****	*****	***	0	1/7 EST WEEKLY ESTIMATE
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
  
 TELEPHONE: 412 393-5113  
 DATE: 95 10 23  
 AREA CODE: 412 NUMBER: 393-5113 YEAR: 95 MO: 10 DAY: 23

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

Facility Name/Location if different  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

**110 A**  
 DISCHARGE NUMBER

**UNIT 2 SERVICE WATER BACKWASH**  
**(SUBR 05)** Form Approved. **12345**  
**P #: FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE [X] \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPL TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE</b>		<b>NO FLOW</b>		<b>( 03)</b>	<b>*****</b>	<b>*****</b>	<b>*****</b>				
	PERMIT REQUIREMENT	<b>REPORT NO AVG</b>	<b>REPORT DAILY BE</b>	<b>MGD</b>	<b>*****</b>	<b>*****</b>	<b>*****</b>	<b>****</b>			<b>DEELYESTIE</b>
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113** DATE **95 10 23**  
 AREA CODE NUMBER YEAR MO DAY

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

**NO DISCHARGE**



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615**  
 PERMIT NUMBER  
**010 A**  
 DISCHARGE NUMBER

**UNIT 2 COOLING WATER**  
 (SUBR 05) Form Approved. 12345  
**F \* FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
95	09	01		95	09	30
		(20-21)	(22-23)	(24-25)		
			(26-27)	(28-29)	(30-31)	

**\*\*\* NO DISCHARGE \*\*\***  
 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)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		7.46	*****	7.61	(12)	0 1/7	G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0		WEEKLY	CRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	2,880	2,880	(03)	*****	*****	*****		0 1/7	MEASRD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MAX	HGD	*****	*****	*****	****	WEEKLY	MEASRD
CHLORINE, FREE AVAILABLE	SAMPLE MEASUREMENT	*****	*****		*****	0.00	0.00	(19)	0 1/7	G
50060 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.5	0.5		WEEKLY	CRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 David Orndorf  
 Chemistry Manager  
 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 412 393-5113  
 DATE 95 10 23  
 AREA CODE NUMBER YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

**111 A**  
 DISCHARGE NUMBER

**111 DIESEL GENERATOR BLDG**  
**(SUBR 05)** Form Approved. **12345**  
**F # FINAL** OMB No. 2040-0004  
**HAJOR** Approval expires 10-31-94

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	09	01		95	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE  \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
<b>PH</b>	SAMPLE MEASUREMENT	*****	*****						( 12 )	
<b>00400 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	*****	*****	****	<b>6.0</b> <b>MINIMUM</b>	*****	<b>9.0</b> <b>MAXIMUM</b>			<b>WEEKLYGRAB</b>
<b>SOLIDS, TOTAL SUSPENDED</b>	SAMPLE MEASUREMENT	*****	*****		*****				( 19 )	
<b>00530 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	*****	*****	****	*****	<b>30</b> <b>NO AVG</b>	<b>100</b> <b>DAILY MX</b>			<b>WEEKLYGRAB</b>
<b>OIL AND GREASE FROM EXTRA GRAV WITH</b>	SAMPLE MEASUREMENT	*****	*****						( 19 )	
<b>00556 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	*****	*****	****	<b>15</b> <b>30DA AVG</b>	<b>20</b> <b>DAILY MX</b>	<b>30</b> <b>INST MAX</b>			<b>WEEKLYGRAB</b>
<b>FLOW, IN CONDUIT OR THRU TREATMENT PLANT</b>	SAMPLE MEASUREMENT	<b>No Flow</b>			( Q3 )	*****	*****	*****		
<b>50050 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	<b>REPORT</b> <b>NO AVG</b>	<b>REPORT</b> <b>DAILY MX</b>	<b>MGD</b>	*****	*****	*****	****		<b>WEEKLYESTIMA</b>
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 13 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE \_\_\_\_\_ DATE \_\_\_\_\_  
**412** | **393-5113** | **95** | **10** | **23**  
 AREA CODE NUMBER YEAR MO DAY

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

**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PRO025615**  
 PERMIT NUMBER  
**111 B**  
 DISCHARGE NUMBER

**111 DIESEL GENERATOR BLDG**  
**(SUBR 05)** Form Approved. **12345**  
**P # FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

MONITORING PERIOD  
 FROM YEAR **95** MO **07** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
<b>2,4-DICHLOROPHENOL</b> 34586 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<0.0011	<0.0011	(19)	0	2/90 G
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY ME	MG/L		TWICE GRAB QTRLY
<b>PENTACHLOROPHENOL</b> 39032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<0.0028	<0.0028	(19)	0	2/90 G
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY ME	MG/L		TWICE GRAB QTRLY
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**412 393-5113**  
 AREA CODE NUMBER  
 DATE  
**95 10 23**  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**QUARTERLY SAMPLING TO BE CONDUCTED IN THE SAME CALENDAR MONTH.**

Facility Name/Location if different  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**211 A**  
 DISCHARGE NUMBER

**211 TURBINE BLDG**  
**(SOBR 05)** Form Approved. **12345**  
**F \* FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE  \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (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	50		WEEKLYGRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****						
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 NO AVG	100 DAILY MX	MG/L		WEEKLYGRAB	
OIL AND GREASE PROM BTR GRAB MTH	SAMPLE MEASUREMENT	*****	*****								
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	15 30DA AVG	20 DAILY MX	30 INST MAX	MG/L		WEEKLYGRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO FLOW			(03)	*****	*****	*****			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		WEEKLYSTINA	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 18 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**412 393-5113**  
 AREA CODE NUMBER  
 DATE  
**95 10 23**  
 YEAR MO DAY

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

**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

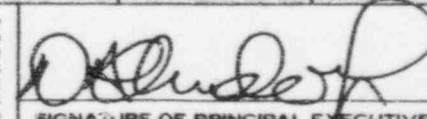
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

(2-16) (17-19)  
**PA0025615** (PERMIT NUMBER)  
**211 B** (DISCHARGE NUMBER)  
 MONITORING PERIOD  
 FROM YEAR **95** MO **07** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**211 TURBINE BLDG**  
**(50BR 05)** Form Approved. **12345**  
**F N- FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

**\*\*\* NO DISCHARGE ! ! !**  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
<b>2-CHLOROPHENOL</b>	SAMPLE MEASUREMENT	*****	*****		*****	<0.0011	<0.0011	(19)	0	2/90	G
<b>38586 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY HI	MG/L		TRICE GRAB QTRLY	
<b>PENTACHLOROPHENOL</b>	SAMPLE MEASUREMENT	*****	*****		*****	<0.0028	<0.0028	(19)	0	2/90	G
<b>39032 1 0 0</b> <b>EFFLUENT GROSS VALUE</b>	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY HI	MG/L		TRICE GRAB QTRLY	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  <b>David Orndorf</b> <b>Chemistry Manager</b>  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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
			412   393-5113	95	10	23

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**QUARTERLY SAMPLING TO BE CONDUCTED IN SAME CALENDAR MONTH.**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**011 A**  
 DISCHARGE NUMBER

**DIESEL GEN & TURBINE DRAINS**  
 (SUBR 05) Form Approved. 12345  
**F & FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD  
 FROM YEAR **95** MO **09** DAY **01** TO YEAR **95** MO **09** DAY **30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**\*\*\* NO DISCHARGE [X] \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only (46-53) (54-61))			QUALITY OR CONCENTRATION (4 Card Only (38-45) (46-53) (54-61))				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<b>NO FLOW</b>			(03)	*****	*****	*****			
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MAX	MGD		*****	*****	*****	****		WEEKLY TESTING
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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 18 U.S.C. § 1119 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113** DATE **95 10 23**  
 AREA CODE NUMBER YEAR MO DAY

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

**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

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

**PA0025615**  
 PERMIT NUMBER

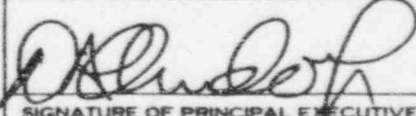
**012 A**  
 DISCHARGE NUMBER

**BLOWDOWN FROM THE HVAC C. TOWER**  
 (SUBR 05) Form Approved. **12345**  
**F # FINAL** OMB No. 2040-0004  
**HAJOR** Approval expires 10-31-94

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
95	09	01	TO	95	09	30
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****		8.03	*****	8.03	(12)	0	1/30 G
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			ONCE/ GRAB MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.001	0.001	(-03)	*****	*****	*****		0	1/30 EST
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY ME	NGD	*****	*****	*****	****		ONCE/ ESTIMA MONTH
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  David Orndorf Chemistry Manager  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 KNOWLEDGE 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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 18 USC § 1019 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE			
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	412 393-5113	95	10	23
		AREA CODE	NUMBER	YEAR	MO	DAY

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

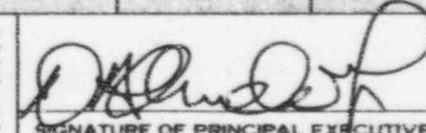
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **RYAN VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**  
 FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (2-16) (17-19)  
**PA0025615** (PERMIT NUMBER)  
**113 A** (DISCHARGE NUMBER)  
 MONITORING PERIOD  
 FROM **95 09 01** TO **95 09 30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**UNIT 2 SEWAGE TMT PLANT**  
**(SOBR 05)** Form Approved. **12345**  
**P 2 FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

**\*\*\* NO DISCHARGE \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PR		*****	*****		6.60	*****	6.66	(12)	0	2/30	G
00500 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.0	*****	9.0				
	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	50			TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED		*****	*****		*****	18.6	20.9	(19)	0	2/30	8HC
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	30	60				
	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	DAILY ME	MG/L			TWICE/COMPOB MONTH
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.007	0.008	(03)	*****	*****	*****		0	1/week	NO ASD
50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.003	REPORT		*****	*****	*****	****			WEEKLY ASD
	PERMIT REQUIREMENT	NO AVG	DAILY ME	MGD	*****	*****	*****	****			
COLIFORM, FECAL GENERAL		*****	*****		*****	0	*****	(13)	0	2/30	G
74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	200	*****	1			
	PERMIT REQUIREMENT	*****	*****	****	*****	30DA GEO	*****	100NL			TWICE/GRAB MONTH
BOD, CARBONACEOUS 05 DAY, 20C		*****	*****		*****	3.25	3.5	(19)	0	2/30	8HC
80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	25	50				
	PERMIT REQUIREMENT	*****	*****	****	*****	NO AVG	DAILY ME	MG/L			TWICE/COMPOB MONTH
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  David Orndorf Chemistry Manager  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 SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 18 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 OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE	DATE		
			412 393-5113 AREA CODE NUMBER	95 10 23 YEAR MO DAY		

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



Facility Name/Address (Include Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**213 A**  
 DISCHARGE NUMBER

**UNIT 2 COOL TOWER PUMPHOUSE**  
 (SU82 05) Form Approved. 12345  
**F. PINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	09	01		95	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE [X] \*\*\***  
 NOTE: Read instructions before completing this form.

FACILITY LOCATION  
**ATTN: DAVID ORNDORF**

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only (46-53) (54-61))			QUALITY OR CONCENTRATION (4 Card Only (38-45) (46-53) (54-61))			NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMP TYP (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00400 1 0 0 EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	( 12)		TWICE/GRAB MONTH
00530 1 0 0 EFFLUENT GROSS VALUE OIL AND GREASE FROM EXTRA-GRAV NETS	PERMIT REQUIREMENT	*****	*****	*****	30 NO AVG	*****	100 DAILY MX	( 19)		TWICE/GRAB MONTH
00556 1 0 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	*****	*****	*****	15 NO AVG	*****	20 DAILY MX	( 19)		TWICE/GRAB MONTH
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		WEEKLY ESTIM
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 Chemistry Manager  
 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 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 412 393-5113  
 DATE: 95 10 23  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**No Discharge**

PERMITTEE NAME/ADDRESS (Include Facility Name if different)  
 NAME **GRAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 (17-19)  
**PA025615**  
 PERMIT NUMBER  
**313 A**  
 DISCHARGE NUMBER

**313 TURBINE BLDG DRAIN**  
 (SUBR 05) Form Approved. **12345**  
**P 4 FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

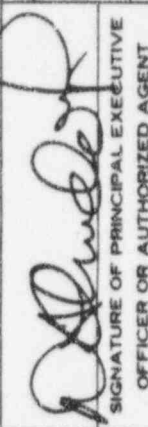
MONITORING PERIOD  
 YEAR MO DAY TO YEAR MO DAY  
 FROM **95 09 01** TO **95 09 30**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

**NO DISCHARGE**  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (34-61)			NO. EX ANALYSES (62-63)	FREQUENCY OF ANALYSES (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	*****	*****	*****	*****	*****	*****	(12)	WEEKLY	GRAB
00800 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
OIL AND GREASE FROM EXTRACTIVE METH	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB
50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	(19)	WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
 U.S. ENVIRONMENTAL PROTECTION AGENCY  
 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 KNOWLEDGE OF THESE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE PENALTIES FOR PROVIDING FALSE INFORMATION INCLUDING A FINE OF UP TO \$10,000 AND/OR IMPRISONMENT FOR UP TO 5 YEARS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE DATE  
 412 393-5113 95 10 23

AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 4**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**413 A**  
 DISCHARGE NUMBER

**BULK FUEL STORAGE DRAIN**  
**(SUBR 05)** Form Approved. **12345**  
**F \* FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY  
 LOCATION  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	09	01		95	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE  \*\*\***  
 NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY (46-53)		LOADING		(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	NUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
PH	SAMPLE MEASUREMENT	*****	*****							( 12)		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU			WEEKLYGRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****					( 19)		
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30 NO AVG	100 DAILY MX	MG/L			WEEKLYGRAB	
OIL AND GREASE FROM EXTRA GRAY WATER	SAMPLE MEASUREMENT	*****	*****		*****					( 19)		
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	15 NO AVG	20 DAILY MX	MG/L			WEEKLYGRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	No Flow		( 03)	*****	*****	*****					
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****			WEEKLYESTIMA	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 412 | 393-5113  
 DATE: 95 | 10 | 23  
 AREA CODE | NUMBER | YEAR | MO | DAY

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

**NO DISCHARGE**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
 NAME **BEAVER VALLEY POWER STATION**  
 ADDRESS **P.O. BOX 8**  
**ATTN: DAVID ORNDORF**  
**SHIPPINGPORT PA 15077**

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

**PA0025615**  
 PERMIT NUMBER

**013 A**  
 DISCHARGE NUMBER

**UNCONTAMINATED STORMWATER**  
 (SUBR 05) Form Approved. **12345**  
**P # FINAL** OMB No. 2040-0004  
**MAJOR** Approval expires 10-31-94

FACILITY \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
**ATTN: DAVID ORNDORF**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	95	09	02		95	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

**\*\*\* NO DISCHARGE \*\*\***  
 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)				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50950 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.007	0.008	(.03)	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT NO AVG	REPORT DAILY EX	MGD	*****	*****	*****	****		1/7 EST	WEEKLY ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**David Orndorf**  
**Chemistry Manager**  
 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.)

*David Orndorf*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE **412 393-5113**  
 DATE **95 10 23**

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

**THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

-Please note our new name-  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
D E P

400 Waterfront Drive  
Pittsburgh, PA 15222-4745

SEP 29 1995

(412) 442-4000

Southwest Regional Office

CERTIFIED MAIL #Z 057 786 319

Mr. Scott Rodgers  
Duquesne Light Company  
One Oxford Centre  
301 Grant Street  
Pittsburgh, PA 15279

RE: NPDES Permit PA0025615  
Beaver Valley Power Station  
Shippingport Borough  
Beaver County

Dear Mr. Rodgers:

Your NPDES permit is enclosed. Please study it carefully, and if you have any questions, please contact me.

We have addressed your comments in the Addendum to the Fact Sheet/ Statement of Basis (copy enclosed).

EPA will be sending you computer generated, preprinted Discharge Monitoring Report (DMR) forms for your submittals. In the event that these forms are not received, use the attached DMR forms. Should you find significant discrepancies between the two versions, contact this office and use the enclosed form until the preprinted forms are corrected. Do not allow a problem with the preprinted forms to cause your failure to submit these reports in a timely manner as this will result in violations of your permit.

Sincerely,

Karen Milcic  
Sanitary Engineer  
Water Management

Enclosure

cc: EPA

FACT SHEET/STATEMENT OF BASIS

NPDES PA0025615

Prepared by Kareen Milcic

Date: 7/9/95

Outfalls 001 thru 013

Phone: 412-442-4000

(ES) Duquesne Light Company

(MUN) Shippingport Borough

(AF) Beaver Valley Power Station

(CO) Beaver

\*\*\*\*\*

This is a renewal application for the Beaver Valley Power Station located on the Ohio River. Units #1 and #2 are atomic powered generating stations. The applicable effluent limitation guidelines are 40 CFR 423 - Steam Electric, F.R. Volume 47, November 19, 1982. BCT guidelines for this category have not yet been promulgated. Therefore, in all cases BCT has been assumed equivalent to BPT based on information from EPA that BCT, when developed will probably be equivalent to BPT.

Effluent Limitation Rationale

Technology Effluent Limitations

Internal Monitoring Point 101 consists of a 0.027 mgd discharge from the chemical waste treatment system which includes demineralizer regenerants (acid and caustic), lab sink drains, and Unit #1 auxiliary boiler blowdown. The applicable effluent limitations are based on the federal guidelines for low-volume waste sources - 40 CFR 423.12(b):

<u>Pollutant</u>	<u>Maximum for Any One Day (mg/l)</u>	<u>Average of Daily Values For 30 Consecutive Days Shall Not Exceed</u>
		<u>(mg/l)</u>
Total Suspended Solids	100.0	30.0
Oil and Grease	20.0	15.0

Flow measurement is based on timer readings that log the total amount of time that the discharge valve of the sump pumps is open, with the flow capacity of the sump pumps.

Internal Monitoring Point 201 consists of a 0.0034 mgd discharge of softener regenerants. The applicable effluent limitation guidelines are 40 CFR 423.12(b) for low volume wastes (see Outfall 101). Flow estimation is based on standard regeneration cycle duration, number of cycles per month and standard volume per regeneration.

Internal Monitoring Point 301 consists of 0.001 mgd discharge of the Unit #2 auxiliary boiler blowdown. The applicable effluent limitation guidelines are 40 CFR 423.12(b) for low volume wastes (see Outfall 101). Flow of this discharge is estimated to be less than 1000 gallons/day.

## FACT SHEET/STATEMENT OF BASIS

NPDES PA0025615

(ES) Duquesne Light Company

(MUN) Shippingport Borough

(AF) Beaver Valley Power Station

(CO) Beaver

\*\*\*\*\*

Special Conditions in Part C of this permit restrict the discharge of the 126 priority pollutants, free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water. A condition has been placed in the permit for the permittee to obtain Departmental approval of chemical additives currently used at the facility.

No internal monitoring points (effluent limitation pages) have been placed in the permit for Unit #1 and Unit #2 cooling tower blowdown. These were listed as unnumbered process wastewater outfalls in the application and will be monitored at 001.

Treated radioactive waste from Unit #1 and Unit #2 has been added to the outfall description. This is consistent with the previous permit.

Internal Monitoring Point 102 consists of a 0.001 mgd discharge of intake screenhouse pump bearing cooling water leakage. The applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes (see Outfall 101).

Outfall 002 consists of 0.046 mgd of intake screen backwash water and Outfall 102. Debris collected on the intake trash racks shall not be returned to the waterway. A 1/week flow estimate is placed on this outfall which is in accordance with the Department's permitting of intake screen backwash water.

Internal Monitoring Point 103 consists of a 0.002 mgd discharge of wastewater from the settling basin handling sludge from the intake clarifier. Applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes (see Outfall 101).

Internal Monitoring Point 203 consists of a 0.023 mgd discharge from the Unit #1 station sewage treatment plant. Secondary effluent limitations have been placed in the permit.

Internal Monitoring Point 303 consists of a 0.0576 mgd discharge of wastewater from the oil/water separator which treats Unit #1 turbine room floor drainage. The applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes (see Outfall 101).

Internal Monitoring Point 403 consists of 0.288 mgd of condensate blowdown and uncontaminated river water. This discharge occurs only during shutdown for maintenance. Applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes.

FACT SHEET/STATEMENT OF BASIS

NPDES PA0025615

(ES) Duquesne Light Company

(MUN) Shippingport Borough

(AF) Beaver Valley Power Station

(CO) Beaver

\*\*\*\*\*

These sources will be monitored separately. Applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes. An instantaneous maximum oil and grease limitation of 30 mg/l has been placed on this outfall which is in accordance with Chapter 97 of the Department's regulations.

This discharge also contains stormwater runoff which will be added to the outfall description.

Outfall 012 consists of 0.001 mgd of blowdown from the emergency response facility HVAC cooling tower. Consistent with the previous permit, no chlorine limitation will be imposed (chlorine is not used here). This discharge also contains stormwater runoff.

Internal Monitoring Point 113 consists of a 0.023 mgd discharge from the Unit #2 sewage treatment plant. Secondary effluent limitations will be imposed.

Internal Monitoring Point 213 consists of 0.072 mgd of Unit #2 cooling tower pump-house floor and equipment drains. Applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes (see Outfall 101).

Internal Monitoring Point 313 consists of 0.019 mgd turbine building oil/water separator drain (OWS #21). Applicable effluent limitations are 40 CFR 412.12(b) for low volume wastes (see Outfall 101).

Internal Monitoring Point 413 consists of 0.019 mgd bulk fuel oil storage oil/water separator drain (OWS #24). Applicable effluent limitations are 40 CFR 423.12(b) for low volume wastes (see Outfall 101).

This discharge also contains stormwater runoff.

PENTOXSD was used to calculate any necessary water quality based effluent limitations. Also the Regional Aquatic Biologist evaluated Peggs Run and determined that there is a use to be protected. (These two items are substantial changes from the previous permit evaluation.) The necessary water quality based limitations will be placed in a Toxics Reduction Evaluation.

The third substantial change in this permit is the inclusion of Total Residual Chlorine Limits that were developed in accordance with Chapter 93.

Conditions, limitations, monitoring and reporting requirements have been added to this permit to allow for mega and small system dosings with Clamtrol.



## FACT SHEET/STATEMENT OF BASIS

NPDES PA0025615

(ES) Duquesne Light Company

(MUN) Shippingport Borough

(AF) Beaver Valley Power Station

(CO) Beaver

\*\*\*\*\*

The permittee commented on the water quality based effluent limitations for Peggs Run. During the comment period the DEP regional biologist evaluated Peggs Run below 013 and determined there is an aquatic use, but is limited by lack of substrate, i.e., concrete channel. In order to confirm the designated uses of Peggs Run and to assess the impact of its activities (culvert, concrete channel, and discharges), Duquesne Light shall conduct an aquatic survey of Peggs Run. The Preliminary Water Quality Based Effluent Limitations (PWQBELs) on Page 2dd of 14 will not go into effect until the Department reviews Duquesne Light's study and modifies the permit if necessary. Any such permit modification shall be considered a formal permitting action by the Department and may require a Toxics Reduction Evaluation. We therefore have replaced the typical Toxics Reduction Evaluation contained in Part C of the permit, with a specific condition that allows Duquesne Light the opportunity to conduct a 3 year, seasonal, chemical, aquatic, and thermal study of Peggs Run above and below the culvert. The intent of the study is to confirm the existence or absence of an aquatic use to protect and determine what impacts the discharge, the culvert, and the concrete channel may have on the aquatic community in Peggs Run. Therefore we determined that WQBELs for Antimony and Cyanide free are not necessary at this time but were included in the permit for informational purposes. This is a seasonal survey, therefore the effluent monitoring frequency in Part A of the permit has been changed to quarterly. The condition also allows for site specific data collection. (Of particular importance to the permittee is effluent flow data. The condition will also allow for further data collection to address the fact that the influent/effluent data is inconsistent.) The permit will be amended if necessary based on the results of the study to make the limits on page 2dd effective, to modify them or to delete them altogether.

Duquesne Light Company commented on the applicability of the Chapter 93 Regulation (pertaining to TRC) at generating stations that are subject to the Steam Electric ELGs. The ELG includes limits on both TRC and Free Available Chlorine (FAC) depending on the type of wastewater involved (once-through cooling or cooling tower blowdown). Where FAC is limited in the ELG, there is also a narrative restriction on the discharge of TRC. Duquesne Light contends that EPA "has evaluated the industry and determined that TRC limits are not necessary for any wastewaters other than once-through cooling water ..."

Chapter 93(f)(1) states we should impose the more stringent of the federal ELG BAT or the Chapter 93 BAT. It is also clear that if there is no federal BAT, we are to impose Chapter 93 BAT. We have no available data showing a general correlation between FAC and TRC levels in these effluents, and cannot assume on every case that the ELG FAC limit is adequate to control TRC levels at or below the 0.5 mg/l limit in Chapter 93.

FACT SHEET/STATEMENT OF BASIS

NPDES PA0025615

(ES) Duquesne Light Company

(MUN) Shippingport Borough

(AF) Beaver Valley Power Station

(CO) Beaver

\*\*\*\*\*

EPA, by letter dated August 31, 1995 commented on the draft permit. We have not determined a reasonable potential for the listed pollutants to be contained in the discharge from Outfall 001, therefore, no limitations nor monitoring are warranted.

Duquesne Light, by letter dated September 27, 1995, requested interim TRC limits at the two sewage treatment plants (IMPs 203 and 113). We have incorporated interim (1.2 mg/l monthly average and 3.0 mg/l maximum daily) into the permit for a two year period.

KM:kld

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF WATER QUALITY MANAGEMENT

AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
PERMIT PA0025615

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. (the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Duquesne Light Company  
411 Seventh Avenue 14-705  
P.O. Box 1930  
Pittsburgh, PA 15230-1930

is authorized to discharge from a facility located at

Beaver Valley Power Station  
Shippingport Borough  
Beaver County

to receiving waters named

Ohio River and Peggs Run (Outfalls 012 and 013)

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B, and C of this permit.

This permit and the authorization to discharge shall expire at midnight SEP 29 2000.

The authority granted by this permit is subject to the following further qualifications:

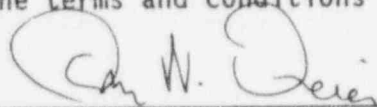
1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with any of the terms or conditions of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal.
3. Application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form. In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the expiration date, the terms and conditions of this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of permit renewal.
4. This permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

PERMIT ISSUED

SEP 29 1995

DATE \_\_\_\_\_

BY



Tim V. Dreier, P.E.  
Water Management Program Manager

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 101 WHICH RECEIVES WASTE FROM:  
Chemical Waste Treatment System (demineralizing regenerants, lab sink drains)

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>						<u>MONITORING REQUIREMENTS</u>			
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>			
Flow (mgd)								daily	continuous	
Suspended Solids				30		100		1/week	2 hr. comp.	
Oil and Grease				15		20		1/week	grab	
*Hydrazine				Monitor Only				1/week	grab	
*Ammonia				Monitor Only				1/week	grab	

\*Hydrazine and ammonia monitoring to apply during periods of wet layup.

pH not less than 6.0 nor greater than 9.0 standard units 1/week grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge from the chemical waste sump prior to mixing with any other water

PART A

Page 2b of 14  
 Permit PA0025615  
 LAT. --  
 LONG. --

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 201 WHICH RECEIVES WASTE FROM:  
 Softener Regenerants

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>			
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>	
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>							
	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>				
Flow (mgd)								2/month	estimate		
Suspended Solids				30			100	2/month	grab		
Oil and Grease				15			20	2/month	grab		
pH	not less than 6.0 nor greater than 9.0 standard units								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Wastewater from the softener unit prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 301 WHICH RECEIVES WASTE FROM:  
Unit #2 auxiliary boiler blowdown

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Instant. Daily Max.			
Flow (mgd)							1/week	estimate	
Suspended Solids				30		100	2/month	grab	
Oil and Grease				15		20	2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
The discharge of boiler blowdown prior to mixing with any other water

PART A

Page 2d of 14  
 Permit PA0025615  
 LAT. --  
 LONG. --

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 401 WHICH RECEIVES WASTE FROM:  
 Drains from the chemical feed area of the auxiliary boilers for Unit #2

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.			
Flow (mgd)								1/week	estimate	
Suspended Solids				30			100	2/month	grab	
Oil and Grease				15			20	2/month	grab	
pH				not less than 6.0 standard units				2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Chemical feed area drains prior to mixing with any other water

## PART A

Page 2e of 14  
 Permit PA0025615  
 LAT. --  
 LONG. --

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 501 WHICH RECEIVES WASTE FROM:  
 Unit #1 steam generator blowdown filter backwash

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>(mg/l unless otherwise indicated)</u>	<u>Average Monthly</u>	<u>Average Weekly</u>			
Flow (mgd)								1/week	estimate	
Total Suspended Solids					30		100	1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Internal monitoring point 50i prior to mixing with any other water



## 1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 001 WHICH RECEIVES WASTE FROM:

Unit #1 and Unit #2 cooling tower blowdown, sources previously monitored at 101, 201, 301, and 401, treated rad waste and occasional clarified overflow

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter:	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.			
Flow (mgd)								daily	continuous	
Free Available Chlorine						0.2	0.5	continuous	recorded	
Total Residual Chlorine				0.5			1.25	1/week	grab	
Clamtrol (CT-1)				Not Detectable				when discharging	24 hr. comp.	
Betz DT-1						35.0		when discharging	24 hr. comp.	

It is the Department's understanding that the permittee does not add chromium or zinc compounds to the cooling water. The permittee is prohibited from adding chromium or zinc compounds to the cooling water unless the permittee obtains permission from the Department. Refer to Part C for restrictions on the discharge of the 126 priority pollutants (with the exception of chromium and zinc), free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.

## 1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 001 (CONTINUED):

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>				<u>MONITORING REQUIREMENTS</u>				
	<u>Mass Units</u>			<u>Concentrations</u>				<u>24-Hour Report Under A.3.c.</u>	
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>					
	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Hydrazine *	Not Detectable			Using ASTM D-1385				1/week	grab
Ammonia *				Monitor Only				1/week	grab

\* Hydrazine and ammonia monitoring to apply during periods of wet layup.

pH not less than 6.0 nor greater than 9.0 standard units 1/week grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 102 WHICH RECEIVES WASTE FROM:  
Intake screenhouse (pump bearing cooling water leakage)

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.				
Flow (mgd)								2/month	estimate		
Suspended Solids				30			100	2/month	grab		
Oil and Grease				15			20	2/month	grab		
pH	not less than 6.0 nor greater than 9.0 standard units								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
The discharge of collected pump bearing leakage prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 002 WHICH RECEIVES WASTE FROM:  
Intake screen backwash and pump bearing leakage from 102

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement</u>	<u>Sample</u>	<u>24-Hour</u>
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>			<u>Report</u>
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>	<u>Frequency</u>	<u>Type</u>	<u>Under</u>
Flow (mgd)								1/week	estimate	<u>A.3.c.</u>

Debris collected on the intake trash racks shall not be returned to the waterway.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Outfall 002

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 103 WHICH RECEIVES WASTE FROM:  
 Settling basin handling sludge from the intake clarifier

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>			
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>	
	<u>(lb/day except flow)</u>	<u>(lb/day except flow)</u>	<u>(lb/day except flow)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>				
	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>				
Flow (mgd)								2/month	estimate		
Suspended Solids				30		100		2/month	24 hr. comp.		
pH	not less than 6.0 nor greater than 9.0 standard units								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Overflow from the basin prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 203 WHICH RECEIVES WASTE FROM:  
the sewage treatment plant at the main plant

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Instant. Daily Max.			
Flow (mgd)	0.023						1/week	measured	
CBOD-5 Day				25		50	2/month	8 hr. comp.	
Suspended Solids				30		60	2/month	8 hr. comp.	
Total Residual Chlorine									
Permit issuance date to September 30, 1977				1.2		3.0	2/month	grab	
October 1, 1977 through expiration				0.5		1.25	2/month	grab	
% Removal (BOD-5 Day & SS)	refer to Part C								
Fecal Coliform Organisms	refer to Part C for effective disinfection							2/month	grab
pH	not less than 6.0 nor greater than 9.0 standard units							2/month	grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Overflow from the chlorine contact tank prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 303 WHICH RECEIVES WASTE FROM:  
Oil water separator handling Unit #1 turbine room floor drain

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>						<u>MONITORING REQUIREMENTS</u>			
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>(mg/l unless otherwise indicated)</u>					
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>			
Flow (mgd)								1/week	estimate	
Suspended Solids				30			100	1/week	grab	
Oil and Grease				15			20	1/week	grab	
pH				not less than 6.0 nor greater than 9.0 standard units				1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Overflow from the oil water separator prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 403 WHICH RECEIVES WASTE FROM:  
Condensate blowdown and uncontaminated river water

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.			
Flow (mgd)								1/week	estimate	
Suspended Solids				30			100	1/week	grab	
Oil and Grease				15			20	1/week	grab	
Hydrazine *	Not detectable using ASTM D-1385							1/week	grab	
Ammonia *	Monitor and Report							1/week	grab	
TRC				0.5			1.25	1/week	grab	
Clamtrol CT-1	Not Detectable							when discharging	24 hr. comp.	
Betz DT-1								when discharging	24 hr. comp.	

Monitoring is applicable to 403 and must be shown on the DMR for 403 whenever there is a discharge at 403.

\* Hydrazine and ammonia monitoring to apply during periods of wet layup.

pH not less than 6.0 nor greater than 9.0 standard units 1/week grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Monitoring point 403 prior to mixing with any other water



1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 003 WHICH RECEIVES WASTE FROM:  
 See below

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>						<u>MONITORING REQUIREMENTS</u>			
	<u>Mass Units</u>			<u>Concentrations</u>			<u>Measurement</u>	<u>Sample</u>	<u>24-Hour</u>	
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>	<u>Frequency</u>	<u>Type</u>	<u>Report</u>
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>			<u>A.3.c.</u>
Flow (mgd)								2/month	estimate	

This discharge shall consist solely of uncontaminated yard stormwater runoff, deionized water storage tank drainage, and those sources monitored at 103, 203, 303, and 403.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 The flows from Outfalls 103, 203, 303 and 403 are to be totalled and reported as the 003 flow.

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 004 WHICH RECEIVES WASTE FROM:  
Unit #1 cooling tower overflow

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>	<u>Average</u>	<u>Max.</u>	<u>(mg/l unless otherwise indicated)</u>						
<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>Instant. Max.</u>				
Flow (mgd)								1/week	measured	
Free Available Chlorine							0.2	0.5	1/week	grab
Total Residual Chlorine				0.5				1.25	1/week	grab

This overflow at Outfall 004 normally takes place during the months July thru October when the water level in the cooling tower basin is raised to increase pumping efficiency. The blowdown at Outfall 001 comes from the same basin, and the limitations and restrictions placed on 001 apply also to this 004. Outfall 004 must be sampled when discharging and the results must be reported on the Discharge Monitoring Report.

pH	not less than 6.0 nor greater than 9.0 standard units	1/week	grab
----	---	--------	------

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 006 WHICH RECEIVES WASTE FROM:  
 Auxiliary intake screen backwash water

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement</u>	<u>Sample</u>	<u>24-Hour</u>
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>	<u>Frequency</u>	<u>Type</u>	<u>Report</u>
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>			<u>Under</u>
										<u>A.3.c.</u>
Flow (mgd)								1/week	estimated	

Debris removed from the intake trash racks shall not be returned to the waterways.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Outfall 006

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 007 WHICH RECEIVES WASTE FROM:  
Auxiliary intake system testing water and periodic discharge from Unit #2 reactor plant river water system

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Max. Daily</u>	<u>(mg/l unless otherwise indicated)</u>	<u>Average Monthly</u>	<u>Average Weekly</u>			
Flow (mgd)								1/week	estimate	
Free Available Chlorine								1/week	grab	
Total Residual Chlorine					0.5			1/week	grab	

Monitoring for flow, free available chlorine, and total residual chlorine are required only during those periods of discharge from the alternate flow path of the reactor plant river water system. Also refer to Part C for additional restrictions on free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.

pH not less than 6.0 nor greater than 9.0 standard units 1/week grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 008 WHICH RECEIVES WASTE FROM:  
Unit #1 cooling tower pumphouse drains and stormwater runoff

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.			
Flow (mgd)								1/week	estimate	
Suspended Solids				30		100		2/month	grab	
Oil and Grease				15		20	30	2/month	grab	
pH								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 110 WHICH RECEIVES WASTE FROM:  
Unit #2 service water strainer backwash

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement</u>	<u>Sample</u>	<u>24-Hour</u>
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>	<u>Frequency</u>	<u>Type</u>	<u>Under</u>
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>			
Flow (mgd)								1/week	estimate	

Debris collected on the strainer shall not be returned to the waterway.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Monitoring point 110

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 010 WHICH RECEIVES WASTE FROM:  
Once-thru cooling water from Unit #2 heat exchangers and Outfall 110

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.			
Flow (mgd)								1/week	measured	
Free Available Chlorine							0.2	0.5	1/week	grab during chlorination
Total Residual Chlorine				0.5				1.25	1/week	grab during chlorination
Clamtrol CT-1				Not Detectable					when discharging	24 hr. comp.
Betz DT-1							35.0		when discharging	24 hr. comp.

Refer to Part C for additional restrictions on free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.

pH not less than 6.0 nor greater than 9.0 standard units 1/week grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the emergency overflow structure

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 011 WHICH RECEIVES WASTE FROM:  
 Diesel generator building oil/water separator drain (OWS #22) and turbine building oil/water  
 separator drain (OWS #23) and stormwater runoff

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement</u>	<u>Sample</u>	<u>24-Hour</u>
	<u>(lb/day except flow)</u>			<u>(mg/l unless otherwise indicated)</u>						
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>	<u>Frequency</u>	<u>Type</u>	<u>Under</u>
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>			<u>A.3.c.</u>
Flow (mgd)								1/week	estimate	

This discharge shall consist solely of those sources monitored at internal monitoring point 111 and 211.

There shall be no discharge of floating solids or visible foam in other than trace amounts.



1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 111 WHICH RECEIVES WASTE FROM:  
Diesel generator building oil/water separator drain (OWS #22)

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily				Instant. Max.
Flow (mgd)							1/week	estimate		
Suspended Solids				30		100	1/week	grab		
Oil and Grease				15		20	30	1/week	grab	
pH	not less than 6.0 nor greater than 9.0 standard units							1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
at the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 211 WHICH RECEIVES WASTE FROM:  
Turbine building oil/water separator drain (OWS #23).

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.				
Flow (mgd)								1/week	estimate		
Suspended Solids				30		100		1/week	grab		
Oil and Grease				15		20	30	1/week	grab		
pH	not less than 6.0 nor greater than 9.0 standard units								1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
at the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 012 WHICH RECEIVES WASTE FROM:  
 Blowdown from the HVAC cooling tower serving the emergency response facility and stormwater runoff

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily			
Flow (mgd)							1/month	estimate	
Free Available Chlorine						0.2	0.5	2/month	grab

It is the Department's understanding that the permittee does not add chlorine or chromium and zinc compounds to the cooling water. The permittee is prohibited from adding chlorine, or chromium and zinc compounds to the cooling water unless the permittee obtains permission from the Department. Refer to Part C for restrictions on the discharge of the 126 priority pollutants (with the exception of chromium and zinc), and the net addition of pollutants to non-contact cooling water.

pH not less than 6.0 nor greater than 9.0 standard units 1/month grab

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 At the discharge pipe

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 113 WHICH RECEIVES WASTE FROM:  
the sewage treatment plant serving Unit #2 and handling sanitary wastes

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.				
Flow (mgd)	0.043							1/week	measured		
CBOD-5 Day				25		50		2/month	8 hr. comp.		
Suspended Solids				30		60		2/month	8 hr. comp.		
Total Residual Chlorine											
Permit issuance through September 30, 1997				1.2			3.0	2/month	grab		
October 1, 1997 through expiration				0.5			1.25	2/month	grab		
% Removal (BOD-5 Day & SS)	refer to Part C										
Fecal Coliform Organisms	refer to Part C for effective disinfection								2/month	grab	
pH	not less than 6.0 nor greater than 9.0 standard units								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Overflow from the chlorine contact tank prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 213 WHICH RECEIVES WASTE FROM:  
Unit #2 cooling tower pumphouse floor and equipment drains

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.				
Flow (mgd)								1/week	estimate		
Suspended Solids				30			100	2/month	grab		
Oil and Grease				15			20	2/month	grab		
pH	not less than 6.0 nor greater than 9.0 standard units								2/month	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Discharge from the pumphouse prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 313 WHICH RECEIVES WASTE FROM:  
Turbine building oil/water separator drain (OWS #21)

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>							<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u>			<u>Concentrations</u>				<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>24-Hour Report Under A.3.c.</u>
	<u>(lb/day except flow)</u>	<u>(lb/day except flow)</u>	<u>(lb/day except flow)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>	<u>(mg/l unless otherwise indicated)</u>			
	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Average</u>	<u>Average</u>	<u>Max.</u>	<u>Instant.</u>			
	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Monthly</u>	<u>Weekly</u>	<u>Daily</u>	<u>Max.</u>			
Flow (mgd)								1/week	estimate	
Suspended Solids				30			100	1/week	grab	
Oil and Grease				15			20	1/week	grab	
pH				not less than 6.0 nor greater than 9.0 standard units				1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
Discharge from OWS #21 prior to mixing with any other water

PART A

Page 2bb of 14  
 Permit PA0025615  
 LAT. --  
 LONG. --

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 413 WHICH RECEIVES WASTE FROM:  
 Bulk fuel storage oil/water separator drain (OWS #24)

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)				Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.				
Flow (mgd)								1/week	estimate		
Suspended Solids				30			100	1/week	grab		
Oil and Grease				15			20	1/week	grab		
pH	not less than 6.0 nor greater than 9.0 standard units								1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
 Discharge from OWS #24 prior to mixing with any other water

1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 013 WHICH RECEIVES WASTE FROM:  
See below

- a. The permittee is authorized to discharge during the period from issued date through expiration date.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily			
Flow (mgd)							1/week	estimate	
Temperature (°F)							1/week	i-s	110
Total Residual Chlorine				0.5			1/week	grab	1.25
Antimony				Monitor and Report			2/quarter	grab	
Cyanide, Free				Monitor and Report			2/quarter	grab	
Cyanide, Total				Monitor and Report			2/quarter	grab	

This discharge shall consist solely of uncontaminated stormwater runoff and the sources monitored at 113, 213, 313, and 413.

See Condition C-16 (Aquatic Stream Survey)

pH	not less than 6.0 nor greater than 9.0 standard units	1/week	grab
----	---	--------	------

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: The permittee has stated this outfall is inaccessible. Therefore, to demonstrate compliance with these limitations and monitoring requirements, the permittee shall sample IMPs 113-413 for these parameters using a flow weighted composite (Antimony, Cyanide-Free, Cyanide-Total and pH) or by analyzing each sample and compositing the results (TRC and Temp).



1. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 013 WHICH RECEIVES WASTE FROM:  
See below
- a. These limits are provided for informational purposes only and will not go into effect until the Department reviews the results of the aquatic study required by C.16 and modifies this permit accordingly.
- b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

Discharge Parameter	DISCHARGE LIMITATIONS (gross unless otherwise indicated)						MONITORING REQUIREMENTS			
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)			Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.	
	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Instant. Daily Max.				
Flow (mgd)							1/week	estimate		
Total Residual Chlorine				0.4		1.0	1/week	grab		
Antimony*				0.017		0.034	2/quarter	24 hr. comp.		
Cyanide, Free*				0.008		0.016	2/quarter	24 hr. comp.		
Cyanide, Total				Monitor and Report			2/quarter	24 hr. comp.		
Temperature				Average Daily						
January 1-31						50.9	1/week	i-s		
February 1-29						51.9	1/week	i-s		
March 1-31						74.6	1/week	i-s		
April 1-15						83.6	1/week	i-s		
pH	not less than 6.0 nor greater than 9.0 standard units							1/week	grab	

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:  
At the discharge

## 1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 013 (CONTINUED):

<u>Discharge Parameter</u>	<u>DISCHARGE LIMITATIONS (gross unless otherwise indicated)</u>						<u>MONITORING REQUIREMENTS</u>		
	<u>Mass Units</u> <u>(lb/day except flow)</u>			<u>Concentrations</u> <u>(mg/l unless otherwise indicated)</u>				<u>Measurement</u> <u>Frequency</u>	<u>Sample</u> <u>Type</u>
	<u>Average</u> <u>Monthly</u>	<u>Average</u> <u>Weekly</u>	<u>Max.</u> <u>Daily</u>	<u>Average</u> <u>Monthly</u>	<u>Average</u> <u>Weekly</u>	<u>Avg.</u> <u>Daily</u>	<u>Instant.</u> <u>Max.</u>		
April 16-30						89.6	1/week	i-s	
May 1-15						84.8	1/week	i-s	
May 16-31						106.7	1/week	i-s	
June 1-15						106.5	1/week	i-s	
June 16-30						110.5	1/week	i-s	
July 1-31						100.9	1/week	i-s	
August 1-31						99.4	1/week	i-s	
September 1-15						93.7	1/week	i-s	
September 16-30						87.7	1/week	i-s	
October 1-15						81.8	1/week	i-s	
October 16-31						75.8	1/week	i-s	
November 1-15						68.9	1/week	i-s	
November 16-30						58.7	1/week	i-s	
December 1-31						50.2	1/week	i-s	

## 2. DEFINITIONS

- a. The "average monthly" mass discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility or sewage facility was operating. Where less than daily sampling is required by this permit, the average monthly mass discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.
- b. The "average weekly" mass discharge means the total discharge by weight during a calendar week divided by the number of days in the week that the facility was operating. Where less than daily sampling is required by this permit, the average weekly mass discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar week when the measurements were made.
- c. The "maximum daily" mass discharge means the total discharge by weight during any calendar day.
- d. The "average monthly" concentration means the arithmetic average of all the daily determinations of concentration made during a calendar month.
- e. The "average weekly" concentration means the arithmetic average of all the daily determinations of concentration made during a calendar week.
- f. The "maximum daily" concentration means the daily determination of concentration for any calendar day.
- g. The "daily determination of concentration" means either the concentration of a composite sample taken during a calendar day or the arithmetic average of all grab samples taken during a calendar day.
- h. The "instantaneous maximum" concentration means the concentration not to be exceeded at any time in any grab sample.
- i. The term "composite sample" means a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall not exceed 2 hours except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally-spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).
- j. The term "grab sample" means an individual sample collected in less than 15 minutes.
- k. The "average monthly flow" means the arithmetic mean of daily flow measurements taken during a calendar month.

- l. The term "measured flow" means any method of liquid volume measurement the accuracy of which has been previously demonstrated in engineering practice or for which a relationship to absolute volume has been obtained.
- m. The term "estimated flow" means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters, and batch discharge volumes.
- n. The "average monthly" temperature means the arithmetic mean of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month or during the operating month if flows are of a shorter duration.
- o. The "maximum daily" temperature means the highest arithmetic mean of the hourly temperatures observed for any 2 consecutive hours during a 24-hour day or during the operating day if flows are of a shorter duration.
- p. The term "i-s" means immersion stabilization in which a calibrated device is immersed in the effluent stream until the reading is stabilized.
- q. The term "non-contact cooling water" shall mean water which is used in a cooling system designed so as to maintain constant separation of the cooling medium from all contact with process chemicals but which may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures, contain small amounts of process chemicals: provided, that all reasonable measures have been taken to prevent, reduce eliminate and control to the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.
- r. The term "at outfall XXX" means a sampling location in outfall line XXX downstream from the last point at which wastes are added to outfall line XXX or otherwise specified.
- s. The term "bypass" means the intentional diversion of wastes from any portion of a treatment facility.
- t. The term "severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- u. The term "industrial user" means an establishment which discharges or introduces industrial wastes into a publicly owned treatment works (POTW).
- v. The term "publicly owned treatment works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act which is owned by a state or municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act which has jurisdiction over the indirect discharges to and the discharges from such a treatment

## 3. SELF-MONITORING, REPORTING, AND RECORDS KEEPING

a. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

b. Reporting of Monitoring Results

- (1) Monitoring results obtained during each month shall be summarized for that month and reported on a discharge monitoring report (DMR) postmarked no later than the 28th day of the following month. Signed copies of these and all other reports required herein, shall be submitted to the Department and the EPA Regional Office at the addresses listed in Part C of this permit.
- (2) If the permittee monitors any pollutant using analytical methods described in Part A.3.e below more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

c. Non-Compliance Reporting

- (1) 24-Hour Reporting - The permittee shall orally report to the Department within 24 hours of becoming aware of the following:
  - (a) Actual or anticipated non-compliance with any term or condition of this permit which may endanger health or the environment.
  - (b) Actual or anticipated non-compliance with any "maximum daily" discharge limitation which is identified in Part A.1 of this permit as being:
    - (i) A toxic pollutant effluent standard established by EPA pursuant to Section 307(a) of the Clean Water Act, or
    - (ii) For toxic or hazardous pollutant which, if not adequately treated, could constitute a threat to human health, welfare, or the environment, or
    - (iii) Any pollutant identified as the method to control a toxic pollutant or hazardous substance (i.e. indicator pollutant).
  - (c) Any unanticipated bypass which exceeds any effluent limitations in the permit.
  - (d) Where the permittee orally reports this information within the above mentioned 24-hour time period, a written submission outlining the above information must be submitted to the Department within 5 days of becoming aware of such a condition unless this requirement is waived by the Department upon receipt of the oral report.

(2) Other Non-Compliance Reporting

- (a) The permittee shall give advance notice to the Department of any planned changes to the permitted activity or facility which may result in non-compliance with permit requirements.
- (b) Where the permittee knows in advance of the need for a bypass which will exceed effluent limitations, it shall submit prior notice to the Department at least 10 days, if possible, before the date of the bypass.
- (c) The permittee shall report all instances of non-compliance which are not reported above at the time of DMR submission.

## (3) The reports and notifications required above shall contain the following information:

- (a) A description of the discharge and cause of non-compliance;
- (b) The period of non-compliance, including exact dates and times and/or the anticipated time when the discharge will return to compliance; and
- (c) Steps being taken to reduce, eliminate, and prevent recurrence of the non-complying discharge.

d. Specific Toxic Substance Notification Levels - Where the permittee is a manufacturing, commercial, mining, or silvicultural discharger, the permittee shall notify the Department as soon as it knows or has reason to believe the following:

- (1) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit if that discharge will exceed the highest of the following "notification levels":
  - (a) One hundred micrograms per liter
  - (b) Two hundred micrograms per liter for acrolein and acrylonitrile
  - (c) Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol
  - (d) One milligram per liter for antimony
  - (e) Five times the maximum concentration value reported for that pollutant in the permit application
  - (f) Any other notification level established by the Department
- (2) That it has begun, or expects to begin, to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

e. Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136, or alternate test procedures approved pursuant to that part.

f. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- (1) The exact place, date, and time of sampling or measurements;
- (2) The person(s) who performed the sampling or measurements;
- (3) The dates the analyses were performed;
- (4) The person(s) who performed the analyses;
- (5) The analytical techniques or methods used; and
- (6) The results of such analyses.

g. Records Retention

All records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years. The 3-year period shall be extended as requested by the Department or the EPA Regional Administrator.

## 4. SCHEDULE OF COMPLIANCE

- a. If Part C of this permit contains a schedule of compliance, the permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with that schedule.
- b. No later than 14 calendar days following a date identified in the schedule of compliance, the permittee shall submit to the Department a written notice of compliance or non-compliance with the specific schedule requirement. In the case of non-compliance, the notice shall include the cause of non-compliance, any remedial actions taken, the estimated date when compliance with the elapsed date shall occur, and the probability of meeting the next scheduled requirement.

## 1. MANAGEMENT REQUIREMENTS

a. Permit Modification, Termination, or Revocation and Reissuance

- (1) This permit may be modified, terminated, or revoked and reissued during its term for any of the causes specified in 25 Pa. Code, Chapter 92.
- (2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.
- (3) Toxic Pollutants - Notwithstanding the above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Clean Water Act for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, then this permit shall be modified or revoked and reissued by the Department to conform with the toxic effluent standard or prohibition and the permittee so notified. In the absence of a Departmental action to modify or to revoke and reissue this permit, any toxic effluent standard or prohibition established under Section 307(a) of the Clean Water Act is considered to be effective and enforceable against the permittee.

b. Duty to Provide Information

- (1) The permittee shall furnish to the Department within a reasonable time any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.
- (3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.
- (4) The permittee shall give advance notice to the Department of any planned physical alterations or additions to the permitted facility.



c. Where the Permittee is a Publicly Owned Treatment Works (POTW)

- (1) The permittee shall provide adequate notice as discussed in subparagraph c(2) below to the Department of the following:
  - (a) Any new introduction of pollutants into the POTW from an industrial user which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging directly into waters of the United States.
  - (b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an industrial user which was discharging into the POTW at the time of issuance of this permit.
  - (c) Any change in the quality and quantity of effluent introduced into the POTW.
  - (d) The identity of significant industrial users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also identify the character and volume of pollutants discharged into the POTW by the industrial user.
- (2) The submission of the above information in the POTW's annual Wasteload Management Report, required under the provisions of 25 Pa. Code, Chapter 94, will normally be considered as providing adequate notice to the Department. However, if the above changes in industrial pollutant loadings to the POTW are significant enough to warrant either modification or revocation and reissuance of this permit, then the permittee is required to meet the provisions of Part B.1.a above.
- (3) The POTW shall require all industrial users to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.
- (4) This permit shall be modified or alternatively, revoked and reissued, to incorporate an approved POTW pretreatment program or a compliance schedule for the development of such programs as required under Section 402(b)(8) of the Clean Water Act and regulations adopted thereunder or under the Department's approved pretreatment program.

d. Bypassing

- (1) Bypassing not Exceeding Permit Limitations - The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if the bypass is for essential maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c. above.
- (2) Other Bypassing - In all other situations bypassing is prohibited unless the following conditions are met:
  - (a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage";
  - (b) There are no feasible alternatives to a bypass, such as the use of auxiliary treatment facilities, retention of pretreated wastes, or maintenance during normal periods of equipment downtime. (This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and
  - (c) The permittee submitted the necessary reports required under Part A.3.c above.
- (3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the 3 conditions listed above.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with this permit.

f. Facilities Operation

The permittee shall at all times maintain in good working order and properly operate all facilities and systems (and related appurtenances) for collection and treatment which are installed or used by the permittee for water pollution control and abatement to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes but is not limited to effective performance based on designed facility removals, adequate funding, effective management, adequate operator staffing and training, and adequate laboratory and processing controls including appropriate quality assurance procedures. This provision includes the operation and backup of auxiliary facilities or similar systems when necessary to achieve compliance with this permit.

g. Reduction, Loss, or Failure of the Treatment Facilities

Where the permittee is a manufacturing, commercial, mining, or silvicultural discharger, then upon reduction, loss, or failure of the treatment facilities, and in order to maintain compliance with its permit, the permittee shall control production and all discharges until either the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.

h. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from adversely affecting the environment.

## 2. RESPONSIBILITIES

### a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator, and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

- (1) To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- (2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; to inspect any collection, treatment, pollution management, or discharge facilities required under this permit; and to sample any substances or parameters at any location.

### b. Transfer of Ownership or Control

- (1) No permit may be transferred unless approved by the Department.
- (2) In the event of any pending change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the Department by letter of such pending change at least 30 days prior to the change in ownership or control.
- (3) The letter shall be accompanied by the appropriate Department forms for transfer of this permit and a written agreement between the existing permittee and the new owner or controller stating that the existing permittee shall be liable for violations of this permit up to and until the date of permit transfer and that the new owner or controller shall be liable for permit violations from that date on.
- (4) After receipt of the documentation required above, the Department shall notify the existing permittee and the new owner or controller of its decision concerning approval of the transfer. In approving the transfer the Department may modify or revoke and reissue this permit.
- (5) In the event the Department does not approve transfer of this permit, the new owner or controller must submit a new permit application.

c. Confidentiality of Reports

Except for data determined to be confidential under 25 Pa. Code, Chapter 92, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department and the EPA Regional Administrator. Effluent data shall not be considered confidential.

d. Penalties and Liability

- (1) Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance pursuant to Section 309 of the Clean Water Act or Sections 602 or 605 of the Clean Streams Law.
- (2) Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

e. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; nor does it authorize any injury to private property or any invasion of personal rights.

f. Other Laws

Nothing herein contained shall be construed to be an intent on the part of the Department to approve any act made or to be made by the permittee inconsistent with the permittee's lawful powers or with existing laws of the Commonwealth regulating industrial and sewage wastes and the practice of professional engineering, nor shall this permit be construed to sanction any act otherwise forbidden by federal or state law or regulations, or by local ordinance. Nor does it preempt any duty to obtain state or local assent required by law for the discharges.

g. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

## OTHER REQUIREMENTS

1. In accordance with Part A.3.b of this permit, the permittee shall submit a copy of the reports to each of the following:
  - Department of Environmental Protection  
Water Management  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745
  - U.S. Environmental Protection Agency  
Region III, Pennsylvania Section (3WM52)  
Water Permits Branch  
Water Management Division  
841 Chestnut Street  
Philadelphia, Pennsylvania 19107
2. For Outfall 203, effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration of fecal coliform organisms not greater than
  - a. 200/100 ml as a monthly geometric mean, nor greater than 1000/100 ml in more than ten percent of the samples examined during any month from May through September inclusive.
  - b. 2000/100 ml as a monthly geometric mean based on five consecutive samples collected on different days during any month from October through April inclusive.
3. For Outfall 113, effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration of fecal coliform organisms not greater than
  - a. 200/100 ml as a monthly geometric mean of all values for effluent samples collected in any period of 30 consecutive days, nor exceed 400/100 ml in more than ten percent of the samples, during the months from May through October inclusive.
  - b. 2000/100 ml as a monthly geometric mean of all values for effluent samples collected in any period of 30 consecutive days, during the months from November through April inclusive.
4. In no case shall the arithmetic means of the effluent values of the biochemical oxygen demand (BOD-5 Day) and suspended solids discharged during a period of 30 consecutive days exceed 15 percent of respective arithmetic means of the influent values for those parameters during the same time period except as specifically authorized by the Department.

## OTHER REQUIREMENTS

5. There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat, water conditioners and as provided in this permit.
6. There shall be no discharge of polychlorinated byphenyl (PCB) compounds such as those commonly used for transformer fluid.
7. In cooling tower blowdown there shall be no detectable amount of the 126 priority pollutants from chemicals added for cooling tower maintenance. The 126 priority pollutants are listed at 40 CFR 423 - Appendix A, and "no detectable amount" means that the pollutants are not detectable by the analytical methods at 40 CFR 136.
8. Neither free available chlorine nor total residual chlorine may be discharged from any generating unit for more than two hours in any one day and nor more than one generating unit in any plant may discharge free available or total residual chlorine at any one time unless the permittee can demonstrate to the Department that the units in a particular location cannot operate at or below this level of chlorination.
9. Waterborne releases of radioactive material to unrestricted areas shall conform to criteria set forth in Title 10 Code of Federal Regulations part 50 Appendix I - Numerical Guides for Design Objectives and Limiting Conditions For Operation To Meet The Criterion "As Low As Is Reasonably Achievable" For Radioactive Material In Light-Water-Cooled Nuclear Reactor Effluents, as implemented through the Environmental Technical Specifications for the Facility. The facility operator shall provide the Department with copies of reports specifying the quantities of radioactive materials released to unrestricted areas in liquid/gaseous effluents. The facility operator shall provide the Department with copies of reports of the results of environmental surveillance activities and other such reports as necessary for the estimation of the dose consequential to facility operation. The above reports are to be forwarded to the following addresses:  
  
Pennsylvania Department of Environmental Protection  
Bureau of Radiation Protection and Toxicology  
P.O. Box 2063  
Harrisburg, Pennsylvania 17120
10. The discharge may not change the temperature of the receiving stream by more than 2°F in any one hour period.

## OTHER REQUIREMENTS

11. Usage rates of any chemical additives used at this facility that may be discharged and blow-down rates shall be controlled by the permittee to prevent any impairments to receiving water uses and/or effluent limit violations. Chemical additives include, but are not limited to, any chemicals added to water for control of corrosion, scaling, algae, slime or fouling in cooling, boiler, or process water systems. Chemical additives also include, but are not limited to agents used to aid in treatment such as water softeners, flocculants, coagulants, emulsion breakers, anti-foaming agents, dispersants, oxygen scavengers, pH stabilizers, and regenerants. Usage rates shall be limited to the minimum amount necessary to accomplish the intended purpose of the chemical addition.

Accurate and complete records of chemical usage and discharge volumes must be maintained and summarized and kept on-site by the permittee in accordance with its Material Inventory Program. These records must be produced upon request by the Department. The "allowable usage rate" is the rate specified in the information submitted as required below unless notified otherwise by the Department.

The information described below must be submitted within ninety (90) days of the issuance of this permit (with 2 copies) for all chemical additives currently in use at this facility.

- a. Trade name of the additive.
- b. Name, address and phone number of the chemical additive manufacturer.
- c. A list of all the active and inactive ingredients.
- d. The additive usage rate (in lb/day or gal/day).
- e. The conditioned water discharge rate (MGD).
- f. The "in-system" concentration of whole product which the usage rate in item d. above will produce (mg/l). Include the product density (lb/gal) for liquids used to convert usage rate (gal/day) to concentration (mg/l).
- g. Any available data regarding in-system degradation or decomposition of the additive and any other data or information that would be helpful to the Department in completing its review.
- h. The expected concentration of the product at the final outfall.
- i. The analytical test method that could be used to verify final outfall concentrations and the associated minimum analytical detection level.



## OTHER REQUIREMENTS

- j. A flow diagram showing the point of chemical addition and the affected outfalls.
- k. 96 hour - LC<sub>50</sub> bioassay data on the whole product for at least one species of freshwater fish (mg/l).
- l. The MSDS and any mammalian toxicity data that is available for the whole product.

If the additive is currently in use at the facility, it may continue to be used at the maximum rate reported pursuant to item d. above unless the permittee is notified otherwise.

Whenever a change in chemical additives or an increase in usage rates is desired by the permittee, a complete written notification shall be submitted at least sixty (60) days prior to the proposed use of the chemical. This notification, at a minimum shall include the information outlined above. If the information is complete, and its use is not specifically denied, use of the proposed chemical additive is allowed 60 days after notification. The usage rate shall not exceed the maximum rate reported pursuant to item 4 above.

Use of additives that contain one or more ingredients that are carcinogens are generally prohibited, and should be substituted with alternative products. If no alternatives are available, the permittee must submit written documentation with the information required above that no alternatives are available and that the carcinogen involved will be "not detectable" in the final effluent using the most sensitive analytical method available.

Based on the information submitted, the Department will determine if any effluent limitations or other restrictions are necessary to protect water quality standards for aquatic life or human health. The permittee is responsible for preventing impairments to receiving water uses independent of the Department's review of this material.

12. Total Residual Chlorine (TRC)A. Chlorine Minimization

The permittee will ensure that applied chlorine dosages, used for disinfection or other purposes, are optimized to the degree necessary such that the total residual chlorine in the discharge does not cause an adverse stream impact. In doing so, the permittee shall consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, desired result of chlorination, and expected impact on the receiving water body.

## OTHER REQUIREMENTS

To reduce or eliminate the amount of chlorine discharged into water bodies, the permittee must if necessary: (1) improve/adjust process controls and (2) improve operation/maintenance practices.

If the Department determines or receives documented evidence levels of TRC in the permittee's effluent are causing adverse impacts in the receiving water, the permittee shall institute necessary additional steps to reduce or eliminate such impact.

B. Site-Specific Data Collection

The permittee may choose to conduct studies to collect site-specific data to determine in-stream chlorine demand and/or discharge mixing characteristics to refine the final water quality-based TRC effluent limitations. The permittee waives the right to conduct such studies if the intent is not conveyed in writing to the Department within sixty (60) days of the date of permit issuance.

The studies must be conducted in accordance with the Department's document titled "Discharger Determination of Site-Specific Chlorine Demand". Within eighteen (18) months of the date of permit issuance, the study results must be submitted to the Department for use in reevaluating the effluent limitations. The final water quality-based effluent limitations for TRC in Part A of this permit may be adjusted and superseded by the Department on the basis of the reevaluation.

13. If the continuous recorder to measure free available chlorine is inoperable, Duquesne Light shall measure free available chlorine two times per day using grab samples at Outfall 001. The monitoring is to be conducted during chlorination. This condition is applicable only if all reasonable measures to repair or replace the recorder are being taken.
14. The permittee is authorized to use chemical additives, subject to the following conditions:
- A. No chemical addition for control of corrosion, scaling, algae, slime or fouling shall be made to the cooling or boiler water system which has a discharge covered by this permit, without prior written approval by the Department.
- B. The additives and usage rate currently approved are the following:

<u>Name</u>	<u>Usage Rate (lbs/day)</u>
Hydrazine (35%)	1-20 gallons/day/unit

## OTHER REQUIREMENTS

Duquesne Light is authorized to use a 30% solution of hydrogen peroxide at Outfalls 101 and 403 to oxidize unreacted Hydrazine in the cold layup blowdown from the Unit 1 and Unit 2 secondary systems, provided compliance with pH limitations is maintained.

15. Asiatic Clam Control

Duquesne Light is authorized to add 7,000 pounds per day of Betz Clamtrol (CT-1) and 21,000 pounds per day of Betz DT-1 (bentonite clay) for a period not to exceed 24 hours on an as-needed basis. These are maximum useage rates and efforts are to be made to minimize the addition of these chemicals. Simultaneous multi unit dosing is prohibited.

Effluent limitations and monitoring requirements have been placed on Outfalls 010, 001, and 003. If any other outfall is affected, the CT-1 concentration is not to be detectable and the DT-1 concentration shall not exceed 35 mg/l (maximum daily). The amount of DT-1 in any discharge is to be estimated using the feed rate and discharge flow rate.

Duquesne Light will ensure that all Clamtrol effluent is detoxified prior to discharge. If the product exhibits toxicity or impairment to the receiving stream's aquatic life, use is to be terminated immediately.

Duquesne Light shall submit advanced (14 days) written notice of any large system dosings. Reports with the conclusions of large system dosings shall be submitted 120 days after dosing.

Clamtrol may also be used to treat small subsystems of the plant without detoxifying with clay. Quarterly reports on the amount of Clamtrol used, dates and times of product addition shall be recorded and submitted to the Department.

16. Aquatic Stream Survey

Within 60 days of permit issuance, Duquesne Light Company shall submit to the Department for its review and approval a proposed plan and schedule to conduct an aquatic, chemical and thermal survey of Peggs Run. The survey shall be conducted for a minimum of three years. The survey shall be designed to address seasonal stream conditions (a minimum of quarterly) to determine water quality, to assess the extent of aquatic life and any impacts the discharge through Outfall 013 exert on the aquatic community. The boundaries of the survey shall include an upstream background location above the culvert and a downstream point below the culvert. The study shall also assess the impacts of the concrete channel (below the culvert to the Ohio River) on the original habitat of the stream.

At a minimum, the survey shall include water chemistry sampling and a macroinvertebrate study. Water chemistry sampling must include analysis for the following parameters (upstream, downstream, effluent) using EPA approved methods: pH Alkalinity, Acidity Hardness, Antimony, Cyanide, Total and Cyanide, Free.

Additionally, temperature measurements (i-s) shall be collected at all sampling locations. The macroinvertebrate portion of the study shall comply with methodology in EPA/600/4-90/030 "Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters".

#### Site-Specific Criteria

The PWQBELs for Antimony and Free Cyanide are necessary for the protection of aquatic life, a designated use to be confirmed as part of the aquatic survey. The permittee may request an opportunity to demonstrate alternative, site-specific criteria for these pollutants. The procedures for carrying out such demonstrations must receive written approval in advance by the Department and must be in accordance with the requirements of Section 93.8 of the Department's Rules and Regulations.

If the permittee chooses this option, requests for alternative, site-specific criteria must be submitted to the Department. Where the demonstration results in more stringent limitations than those previously established by the Department, the more stringent limitation will apply. Any less stringent limitations which are approved by the Department shall not violate applicable water criteria for the protection of human health.

The permittee has the option of providing all or some of the following site-specific data for use in verifying and refining the PWQBELs:

- discharge hardness
- discharge pollutant concentration and variability
- design discharge flow
- discharge mixing characteristics
- pollutant fate characteristics
- stream width, depth and slope
- stream velocity
- ambient stream data for pollutants, pH, temperature
- instream hardness
- water intake quality and quantity
- treatment plant influent pollutant concentrations

The permittee should contact the Department for guidance in determining which of the above data will have a significant impact on the PWQBELs and also for protocols on collecting and submitting the data. The Department will determine the adequacy of any site-specific data submitted and advise the permittee accordingly. If initial review of the submitted data suggests that additional data collection is necessary, the Department will so advise the permittee. The Department will notify the permittee what effect, if any, the data have on the PWQBELs using the procedure outlined in A.3 above.

17. The permittee shall implement Best Management Practices to minimize the amount of deionized water storage tank drainage discharged through the storm water drains via Outfall 003.

## 18. Stormwater Outfalls

## A. Prohibition of Non-stormwater Discharges

1. Except as provided in A.2. of this condition, all stormwater outfalls shall be composed entirely of uncontaminated stormwater.
2. The following non-stormwater discharges are authorized provided the non-stormwater component of the discharge is in compliance with A.3 of this condition: discharges from firefighting activities, fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated ground water, and foundation or footing drains where flows are not contaminated with process materials such as solvents.
3. This permit does not authorize any discharge (stormwater or non-stormwater) which contains any pollutant that may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.

## B. Spills

This permit does not authorize the discharge of any pollutant resulting from an on-site spill, any such occurrence is subject to Sections A.3.c or d of this permit.

## C. Preparedness, Prevention and Contingency Plans (PPC)

1. Operators of facilities shall review and revise as appropriate the PPC Plan for the site in accordance with 25 PA Code Section 101.3 to address stormwater. The PPC Plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the facility. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. In addition, the PPC Plan shall describe the implementation of practices which are to be used to reduce the pollutants in stormwater discharges ensuring compliance with the terms and conditions of this permit.

3. Qualified personnel shall conduct site compliance evaluations at least once a year. A report summarizing the evaluation and any required follow-up actions shall be prepared and kept on-site. Such evaluations shall include the items in 3.a of this condition.
  - a. Areas contributing to a stormwater discharge shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly.
  - b. Based on the results of the inspection, the description of potential pollutant sources and pollution prevention measures and controls identified in the PPC Plan shall be revised as appropriate and shall provide for implementation of any changes to the plan in a timely manner.
19. In order to demonstrate that Chromium and Zinc are not added for cooling tower maintenance, Duquesne Light shall sample (grab) Outfalls 001 and 012 twice per year in the same calendar month. The results of the sampling shall be summarized and submitted as an attachment to the next Discharge Monitoring Report Form.