

Beaver Valley Power Station Route 168 P.O. Box 4 Shippingport, PA 15077-0004

October 25, 2010 L-10-304

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

SUBJECT:

Beaver Valley Power Station Discharge Monitoring Report (NPDES) Permit No. PA0025615

Enclosed is the September 2010 NPDES Discharge Monitoring Report (DMR) for FirstEnergy Nuclear Operating Company (FENOC), Beaver Valley Power Station, in accordance with the requirements of the Permit. Attachment 1 to this letter is supplemental monitoring data for Outfall 001 (dissolved oxygen). Attachment 2 is the summary data from the third of three clamicides scheduled for this year. Attachment 3 to this letter is the guarterly stormwater results as required by Permit Condition C-21.

A review of the data indicates no permit parameters were exceeded during the month.

Should you have any questions regarding the attached and enclosed documents, please direct them to Mr. Michael Banko at 724-682-4117.

Sincerely,

Raymond A. Lieb Director, Site Operations

TELIS

Attachment(s):

- 1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001
- 2. Permit Part C.21 Iron and Zinc Stormwater Monitoring Results
- 3. Clamicide Report

Enclosure(s)

A. Discharge Monitoring Report

cc: Document Control Desk US NRC (NOTE: No new US NRC commitments are contained is this letter.) US Environmental Protection Agency

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615 L-10-304 FirstEnergy Nuclear Operating Company (FENOC) Beaver Valley Power Station

ATTACHMENT 1

Weekly Dissolved Oxygen Monitoring Results at Outfall 001

The following supplemental dissolved oxygen monitoring data for Outfall 001 is provided as agreed.

SAMPLE DATE	SAMPLE TIME	VALUE	UNITS
06-Sep-10	1010	7.81	mg/L
14-Sep-10	1100	8.15	mg/L
20-Sep-10	1230	8.90	mg/L
27-Sep-10	1000	8.23	mg/L

- Attachment 1 END -

Discharge Monitoring Report Attachment for NPDES Permit No. PA0025615 L-10- 304 FirstEnergy Nuclear Operating Company (FENOC) Beaver Valley Power Station

ATTACHMENT 2

Permit Part C.21 Iron and Zinc Stormwater Monitoring Results

Sample Date	Sample Time	Outfall	Parameter	Result	Units
09-11-10	2110	Outfall #003,	Zinc	70	ug/l
09-11-10	2110	Outfall #003,	Iron	279	ug/l
09-16-10	1240	Outfall #008,	Zinc	149	ug/l
09-16-10	1240	Outfall #008,	Iron	2040	ug/l
09-11-10	2045	Outfall #011,	Zinc	69	ug/l
09-11-10	2045	Outfall #011,	Iron	304	ug/l

- Attachment 2 END -

L-10-304

Clamicide Report Enclosure for NPDES Permit No. PA0025615 FirstEnergy Nuclear Operating Company (FENOC) Beaver Valley Power Station

ATTACHMENT 3

Clamicide Report

The following summarizes the third of three clamicide treatments for the control of Asian clams and Zebra mussels at Beaver Valley Power Station.

Parameter	Unit 1 A Train	Unit 1 B Train	Unit 2 A Train	Unit 2 B Train
Date	09-14-10 -	09-08-10 -	09-21-10 -	09-28-10 -
Dale	09-15-10		09-22-10	09-29-10
Chemical Used ¹	320 pounds ³	1179 pounds ³	641 pounds ³	513 pounds ³
Outfall 001 Concentration	<0.1 mg/L	<0.1 mg/L	<0.1 mg/L	< 0.1 mg/L
Outfall 010 Concentration	N/A ⁴	N/A⁴	<0.1 mg/L	<0.1 mg/L
Detox Used ²	1171 pounds	1171 pounds	1643 pounds	1643 pounds
Outfall 001 Concentration ³	2.7 mg/L	2.7 mg/L	2.9 mg/L	3.1 mg/L
Outfall 010 Concentration ³	N/A ^{4 -}	N/A ⁴	10.3 mg/L	10.3 mg/L

- 1. The chemical used is NALCO H150M; LIMITS: 7,000 pounds per day and No Detectable amount at Outfalls 001 and 010.
- 2. The Bentonite Based Detoxifying Agent is NALCO 1315 in the form of a dry agent and a slurry mixture; LIMITS: 21,000 pounds per day and ≤ 35 mg/l at Outfalls 001 and 010
- 3. Dry-weight equivalent.
- 4. Outfall does not receive wastewater from the target system.

- Attachment 3 END -

001A

DISCHARGE NUMBER

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

F	MONIT	ORING	PERIOD	
	MM/DD/YYYY		MM/DD/	$\overline{\mathcal{M}}$

PA0025615

PERMIT NUMBER

				NING.	FERIOD			
	MM/E	DD/YY	ΥY		MM/E	DDM	ΥY	
FROM	09/	01/	2010	то	09/	30/	2010	

PARAMETER		QUANTI	TY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	200	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.4	N/A	8.5	pН	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	6 MINIMUM	******	9 MAXIMUM	pН	5-30 (14)	Weekly	GRAB
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	N/A	- N/A	N/A	N/A	GG	GG	mg/L	GG	GG	GG
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Weekly	GRAB
CLAMTROL CT-1, TOTAL WATER	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.1	<0.1		0	4 / 30	24 HR COMP
04251 1 0 Effluent Gross	PERMIT REQUIREMENT	•••••	******	N/A	******	0 MO AVG	0 DAILY MX	mg/L		When Discharging	COMP24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	50.4	53.9	MGD	N/A	N/A	N/A	N/A	-	DAILY	CONT
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	******	******	N/A		Daily	CONTIN
Chlorine, total residual	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.1	0.31	mg/L	0	4 / 30	GRAB
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	.5 AVERAGE	1.25 MAXIMUM	mg/L		Weekly	GRAB
Chlorine, free available	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.02	<0.02	mg/L	0	CONT	RCRD
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****	N/A	*****	.2 AVERAGE	.5 MAXIMUM	mg/L		Continuous	RCORDR
Hydrazine	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	GG.	GG	mg/L	GG	GG	GG
81313 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	******	0 MO AVG	0 DAILY MX	mg/L	i i i i i i i i i i i i i i i i i i i	Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnet	DAIL	TEI	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

The BETZ DT-1 daily maximum was 2.7 mg/L. WMC 10-20-10

HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. REPORT THE DAILY MAXIMUM FOR BETZ DT-1 WHEN DISCHARGING. THE LIMIT IS 35 MG/L AS A DAILY MAX.

DMR MAILING ZIP CODE: 150770004

UNITS 1&2 COOLG. TOWER BLWDN

MAJOR

(SUBR05)

External Outfall

Page 1

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Page 2

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004	PA0025615 PERMIT NUMBER	002A DISCHARGE NUMBER
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004	MONITORI MM/DD/YYYY	

ATTN: RAYMOND A LIEB/DIR SITE OPER

_											
	MONITORING PERIOD										
	MM/DD/YYYY				MM/E	DD/YY	(YY				
FROM	09/	01/	2010	ТО	09/	30/	2010				

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
INTAKE SCREEN BACKWA	SH

No Discharge

PARAMETER		QUANTI	TY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.006	0.046	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	******	******	N/A		Weekly	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEI	EPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	roperly gather and evaluate the information submitted. Based on my inquiry of the person or ersons who manage the system, or those persons directly responsible for gathering the formation, the information submitted is, to the best of my knowledge and belief, true, accurate, nd complete. I am aware that there are significant penallies for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICE	724	682-7773	10/ 25/ 2010	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

Form Approved OMB No. 2040-0004

PERMITTEE	AME/ADDRESS (include Facility Name/Location if Diff	erent)					Pa	age 3
NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004	P	PA0025615 ERMIT NUMBER	DI	003A SCHARGE NUMBER	DMR MAILING ZIP CODE: MAJOR (SUBR05)	150770004	
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SUIDENCEORT, DA 150770004		MONIT	PINC	PERIOD	003 External Outfall	·	
ATTN: RAYMO	SHIPPINGPORT, PA 150770004	FROM	MM/DD/YYYY		MM/DD/YYYY 09/ 30/ 2010		No Discharge	:

PARAMETER		QUANTI	TY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.041	0.090	MGD	N/A	N/A	N/A	N/A	· _	2 / 30	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req: Mon. DAILY MX	Mgal/d	*******	*****	*****	N/A		Twice Per Month	ESŢIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE			
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724 682-7773		10/ 25/ 2010			
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY			

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

THE FLOWS FOR OUTFALLS 103, 203, 303, AND 403 ARE TO BE TOTALED AND REPORTED AS THE 003 FLOW.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PA0025615 PERMIT NUMBER

004A DISCHARGE NUMBER

	MONITORING PERIOD								
[MM/C	DD/YY	(YY		MM/C	D/YY	ŶΥ		
FROM[09/	01/	2010	то	09/	-30/	2010		

DMR MAILING ZIP CODE:	150770004				
MAJOR					
(SUBR05)					
UNIT ONE COOLG TOWER OVERFLOW					
External Outfall					

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER		QUANTI	QUANTITY OR LOADING		(ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			9 *
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.4	N/A	8.4	рН	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	****	N/A	6 MINIMUM	******	9 MAXIMUM	рН		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	3.21	5.78	MGD	N/A	N/A	N/A	N/A	-	1 / 7	MEAS
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	******	******	_ N/A		Weekly	MEASRD
Chlorine, total residual	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0	0.10	mg/L	0	1 / 7	GRAB
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	******	.5 MO AVG	1.25 INST MAX	mg/L		Weekly	GRAB
Chlorine, free available	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.02	<0.02	mg/L	0	1 / 7	GRAB
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	.2 AVERAGE	.5 MAXIMUM	mg/L		Weekly	GRAB

		1.			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	$\Lambda_{n}//\Lambda_{n}$	TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	1 ATI	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Petersee all offe	hmoute here)	There was no discharge flow from Outfall 004 durin	a the second i	week of Sentember	MMC 10-14-10

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

There was no discharge flow from Outfall 004 during the second week of September. WMC 10-14-10

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Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different) Page 5 DMR MAILING ZIP CODE: 150770004 NAME: FIRST ENERGY NUCLEAR OPERATING 006A PA0025615 ADDRESS: PA ROUTE 168 MAJOR PERMIT NUMBER DISCHARGE NUMBER (SUBR05) SHIPPINGPORT, PA 150770004 BEAVER VALLEY POWER STATION AUX. INTAKE SCREEN BACKWASH FACILITY: LOCATION: PA ROUTE 168 External Outfall MONITORING PERIOD SHIPPINGPORT, PA 150770004 MM/DD/YYYY MM/DD/YYYY No Discharge ATTN: RAYMOND A LIEB/DIR SITE OPER FROM 09/ 01/ 2010 то 09/ 30/ 2010 FREQUENCY SAMPLE NO. QUANTITY OR LOADING QUALITY OR CONCENTRATION OF ANALYSIS EΧ TYPE PARAMETER UNITS VALUE VALUE VALUE VALUE VALUE TINITS

		TALUL	VALUE	UNITO	TAEVE		TALUL				
Flow, in conduit or thru treatment plant	SAMPLE	0.002	0.016	MGD	N/A	N/A	N/A	N/A		1/7	EST
riow, in conductor tind treatment plant	MEASUREMENT	0.002	0.010	MOD			11/2				201
50050 1 0	PERMIT	Reg. Mon.	Req. Mon.		*****	*****	*****	N/A	1. A.	Weekhy	ESTIMA
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	Mgai/d						Weekiy	LOTINA

		\cap		/			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penatty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	16	77	71	TEI	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, and complete.				724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.		RIZED AGEN		AREA Code	NUMBER	MM/DD/YYYY

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

Computer Generated Version of EPA Form 3320-1 (rev. 01/06)

MONITORING PERIOD

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PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615	
PERMIT NUMBER	

MM/DD/YYYY

09/ 01/ 2010

FROM

007A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

1

DMR MAILING ZIP CODE: MAJOR (SUBR05)	150770004
AUX. INTAKE SYSTEM External Outfall	



PARAMETER		QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
	SAMPLE										
	MEASUREMENT						<u> </u>				
00400.1 0	PERMIT	*****	******		6	******	9		a second	Weekly	GRAB
Effluent Gross	REQUIREMENT				MINIMUM	a second second	MAXIMUM	рН		VVCCNIY	
Flow in conduit or thru treatment plant	SAMPLE										
Flow, in conduit or thru treatment plant	MEASUREMENT					· ·					
50050 1 0	PERMIT	Reg. Mon.	Req. Mon.		******	******	*****			Weekly	GRAB
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	Mgal/d						VVEEKIY	GRAD.
	SAMPLE										
Chlorine, total residual	MEASUREMENT										
50060 1 0	PERMIT	*****	*****		*****	.5	1.25			AL-CALL.	GRAB
Effluent Gross	REQUIREMENT					MOAVG	INST MAX	mg/L		Weekly	GRAB
Chiering free queilable	SAMPLE					· · · · · · · · · · · · · · · · · · ·					
Chlorine, free available	MEASUREMENT										
50064 1 0	PERMIT	*****	*****		*****	.2	.5		0.000	VA to she to	ODAD
Effluent Gross	REQUIREMENT					AVERAGE	MAXIMUM	mg/L		Weekly	GRAB

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiny of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalities for submitting false information.		724	682-7773	10/ 25/ 2010	
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.		AREA Code	NUMBER	MM/DD/YYYY	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all atta	chments here)	· · · · ·				

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. ς.

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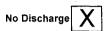
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PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PA0025615 PERMIT NUMBER

008A DISCHARGE NUMBER DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) UNIT 1 COOLING TOWER PUMPHOUSE External Outfall



1	MONITORING PERIOD									
E E	MM/E	D/Y	(YY)		MM/DD/YYYY					
FROM	09/	01/	2010	то [09/	30/	2010			

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	· · ·									
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	******	9 MAXIMUM	рН		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	30 MO AVG	100 DAILY MX	mg/L		Twice Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT										
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		******	15 MO AVG	20 DAILY MX	mg/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT										
50050 1 0 Effiuent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	*****	*****	N/A		Weekly	ESTIMA

· · · · · · · · · · · · · · · · · · ·						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, land complete. I am aware that there are significant penalties for submitting false information,	Ratur	724 682-7773		10/ 25/ 2010	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	SIGNATIVE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	
				1		

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

MONITORING PERIOD

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PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615

FROM

MM/DD/YYYY

09/ 01/ 2010

010A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) UNIT 2 COOLING WATER External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		-	
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.7	N/A	7.8	рН	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	рН		Weekly	GRAB
CLAMTROL CT-1, TOTAL WATER	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.100	<0.100	mg/L	0	1 / 30	24 HR COMP
04251 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	0 MO AVG	0 INST MAX	mg/L		When Discharging	COMP24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	5.4	5.8	MGD	N/A	N/A	N/A	N/A	-	1. / 7	MEAS
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	******	******	N/A		Weekly	MEASRD
Chlorine, total residual	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.1	0.18	mg/L	0	1 / 7	GRAB
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******		******	.5 MO AVG	1.25 INST MAX	mg/L		Weekly	GRAB
Chlorine, free available	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.02	<0.02	mg/L	0	1 / 7 `	GRAB
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	******	.2 AVERAGE	.5 MAXIMUM	mg/L		Weekly	GRAB

		\sim 1			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting failse information.	Karfil	724 682-7773		10/ 25/ 2010
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		The BETZ DT-1 daily maximum was 10.3 n	ng/L. WMC 10	-20-10	

REPORT THE DAILY MAXIMUM FOR BETZ DT-1 WHEN DISCHARGING (24 HR. COMP.):

MG/L. (THE LIMIT IS 35 MG/L AS A DAILY MAX)

Form Approved OMB No. 2040-0004

PERMITTEE N	NAME/ADDRESS (include Facility Name/Location if Different)		1 A	P	age 9
NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004	PA0025615 PERMIT NUMBER	011A DISCHARGE NUMBER	DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05)	
FACILITY:	BEAVER VALLEY POWER STATION PA ROUTE 168	MONITO		DIESEL GEN & TURBINE DRAINS External Outfall	
ATTN: RAYMO	SHIPPINGPORT, PA 150770004	FROM 09/ 01/ 2010	MM/DD/YYYY TO 09/ 30/ 2010	No Discharge	
			:	-	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		_	
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.004	0.004	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req Mon. DAILY MX	Mgal/d	******	******	******	N/A		Weekly	ESTIMA

	~				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, frue, accurate, and complete. I am aware that there are significant penalities for submitting false information, including the possibility of fine and imprisonment for knowing violations.	FA-FA	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of line and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

012A

DISCHARGE NUMBER

ATTN: RAYMOND A LIEB/DIR SITE OPER

NAME: ADDRESS:	PIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

	MONITORING PERIOD								
	MM/DD/YYYY				MM/C	DD/Y	ΩYY		
FROM	09/	01/	2010	то	09/	30/	2010		

PA0025615

PERMIT NUMBER

DMR MAILING ZIP CODE: MAJOR	150770004
(SUBR05) BLOWDOWN FROM THE H	VAC UNIT
External Outfall	

No Discharge

PARAMETER		QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
FAMAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.7	N/A	8.2	pН	0	2 / 30	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	6 MINIMUM	4	9 MAXIMUM	рН		Once Per Month	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0246	0.0290	mg/L	0	2 / 30	GRAB
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	GRAB
Zinc, total (as Zn)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0	0.0	mg/L	0	2 / 30	GRAB
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	******	1.5 MO AVG	1.5 DAILY MX	mg/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	<0.001	<0.001	MGD	N/A	N/A	N/A	N/A	-	1 / 30	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	*****	******	N/A		Once Per Month	ESTIMA
Solids, total dissolved	SAMPLE MEASUREMENT	. N/A	N/A	N/A	N/A	638	728	mg/L	0	2 / 30	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	Req. Mon. MO AVG	Req. Mon DAILY MX	mg/L		Twice Per Month	GRAB

	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TE	LEPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	ncluding the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

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Form Approved OMB No. 2040-0004

013A

DISCHARGE NUMBER

Form Approved OMB No. 2040-0004

Page 11

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

MONITORING PERIOD MM/DD/YYYY MM/DD/YYYY FROM 09/ 01/ 2010 TO 09/ 30/ 2010

PA0025615

PERMIT NUMBER

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
OUTFALL 013	
External Outfall	

		i .
NO	Discharge	

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	Des	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.9	N/A	7.4	N/A	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	6 MINIMUM	******	9 MAXIMUM	рН		Weekly	GRAB
Cyanide, total (as CN)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A	0	2 / 30	24 HR COMP
00720 1 0 Effluent Gross	PERMIT REQUIREMENT		******	N/A	*****	Req. Mon. MO'AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	COMP24
Copper, total (as Cu)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0077	0.0103	N/A	0	2 / 30	24 HR COMP
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	Req. Mon. MO/AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	COMP24
Chlorobenzene	SAMPLE	N/A	N/A	N/A	N/A	<0.005	<0.005	N/A	0	2 / 30	24 HR COMP
34301 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	COMP24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.002	0.002	MGD	N/A	N/A	N/A	N/A	-	2 / 30	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	******	******	N/A		Twice Per Month	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	i certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	A 1/1	TEL	EPHONE	DATE
	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information.		724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.		AREA Code	NUMBER	MM/DD/YYYY

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COMMENTS 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.

,

MONITORING PERIOD

Form Approved OMB No. 2040-0004

Page 12

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

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PA0025615						
PERMIT NUMBER						

MM/DD/YYYY

09/ 01/ 2010 TO

FROM

101A -DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

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DMR MAILING ZIP CODE:	150770004					
MAJOR						
(SUBR05)						
101 CHEMICAL WASTE TREATMENT						
Internal Outfall						



PARAMETER		QUANTITY OR LOADING			(QUALITY OR CONC	QUALITY OR CONCENTRATION				SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT										
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****		6 MINIMUM	*******	9 MAXIMUM	рН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT						· .	· ·	,		
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	30 MO AVG	100 DAILY MX	mg/L		Weekly	COMP-2
Oil & grease	SAMPLE MEASUREMENT				<u> </u>						
00556 1 0 Effluent Gross	PERMIT REQUIREMENT		******		******	15 MO AVG	20 DAILY MX	mg/L	-	Weekly	GRAB
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT										
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****		******	Req. Mon. MO AVG	Req. Mon: DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT				and a second	1 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990					
50050 1 0 Effluent Gross	PERMIT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	****** 03-1	******	*****		2000	DAILY	CONTIN
Hydrazine	SAMPLE MEASUREMENT		22200000 T. 19 1. TODAY 1. T								
81313 1 0 Effluent Gross	PERMIT	******	*****		*****	Req. Mon. MO AVG	Req. Mon: DAILY MX	mg/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TE	LEPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	Ratif	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. SAMPLES SHALL BE TAKEN AT THE DISCHARGE FROM THE CHEMICAL WASTE SUMP PRIOR TO MIXING WITH ANY OTHER WATER.

Computer Generated Version of EPA Form 3320-1 (Rev. 01/06)

MONITORING PERIOD

Form Approved OMB No. 2040-0004

Page 13

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615	
PERMIT NUMBER	Γ

MM/DD/YYYY

FROM

09/ 01/ 2010 TO

102A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

ER			

1

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) 102 INTAKE SCREEN HOUSE Internal Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.6	N/A	7.7	рН	0	2 / 30	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT		(*******	N/A	6 MINIMUM	******	9 MAXIMUM	рН		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	3	4	mg/L	0	2 / 30	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	******	30 MO/AVG	100 DAILY MX	mg/L	.4	Twice Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<5	<5	mg/L	0	2 / 30	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	*****	15 MO AVG	20 DAILY MX	mg/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	<0.001	<0.001	MGD	N/A	N/A	N/A	N/A	-	2 / 30	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	*****	******	N/A	2 . .	 Twice Per Month 	ESTIMA

	·					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	N/a//	TE	LEPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	P P - P	724 682-7773		10/ 25/ 2010	
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

SAMPLES SHALL BE TAKEN AT THE DISCHARGE OF COLLECTED PUMP BEARING LEAKAGE PRIOR TO MIXING WITH ANY OTHER WATER.

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Form Approved OMB No. 2040-0004

Page 14

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615					
PERMIT NUMBER					

FROM

09/ 01/ 2010 **TO**

103A DISCHARGE NUMBER

MONITORING PERIOD							
MM/DD/YYYY	MM/DD/YYYY						

09/ 30/ 2010

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) SLUDGE SETTLING BASIN Internal Outfall

No Discharge

PARAMETER		QUANTI			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.5	N/A	7.8	pН	0	4 / 30	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	. N/A	6 MINIMUM	*****	9 MAXIMUM	рН		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	5	9	mg/L	0	2 / 30	24 HR COMP
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Twice Per Month	COMP24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.022	0.034	MGD	N/A	N/A	N/A	N/A	-	2 / 30	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Reg. Mon. DAILY MX	Mgal/d	*****	*****	******	N/A		Twice Per Month	ESTIMA

		Λ Λ 1			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	1 m / II	TEL	DATE	
Raymond A. Lieb, DIRECTOR OF SITE	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT THE OVERFLOW FROM THE BASIN PRIOR TO MIXING WITH ANY OTHER WATER.

Form Approved OMB No. 2040-0004

Page 15

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615	
PERMIT NUMBER	

111A DISCHARGE NUMBER

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
111 DIESEL GENERATOR E	BLDG
Internal Outfall	

	MONITORING PERIOD										
[MM/C	DD/YY	YY		MM/E	DD/Y	ΥY				
FROM[09/	01/	2010	то	09/	30/	2010				

No Discharge

PARAMETER		QUANTI	TY OR LOADING		QUALITY OR CONCENTRATION					FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	[.] N/A	N/A	7.6	N/A	7.7	pН	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	6 MINIMUM	******	9 MAXIMUM	pН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A ·	<4	<4	mg/L	0	1 / 7	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	⁶ N/A	<5	<5	mg/L	0	1 / 7	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	15 MO AVG	20 DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.002	0.002	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO.AVG	Req. Mon. DAILY MX	Mgal/d	******	******	******	N/A		Weekly	ESTIMA

		$\gamma \gamma \gamma$			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEI	LEPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.		AREA Code	NUMBER	MM/DD/YYYY

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

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Form Approved OMB No. 2040-0004

Page 16

NAME:FIRST ENERGY NUCLEAR OPERATINGADDRESS:PA ROUTE 168 SHIPPINGPORT, PA 150770004FACILITY:BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004ATTN: RAYMOND A LIEB/DIR SITE OPER		FR	MM/DD/YY		113A DISCHARGE NU NG PERIOD MM/DD/YY O 09/ 30/			MAJOR (SUBR05	EWAGE T	MT PLANT	:harge X	
			QUANT	ITY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			1176
рH		SAMPLE MEASUREMENT										
00400 1 0 Effluent Gross	i	PERMIT REQUIREMENT	******	*****		6 MINIMUM	******	9 MAXIMUM	рН		Twice Per Month	GRAB
Solids, total su	uspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross		PERMIT	*****	******		******	30 MO.AVG	60 DAILY MX	mg/L		Twice Per Month	COMP-8
Flow, in condu	it or thru treatment plant	SAMPLE MEASUREMENT										
50050 1 0 Effluent Gross		PERMIT REQUIREMENT	.043 MO AVG	Req. Mon DAILY MX	Mgal/d	******	******	******	N/A		Weekly	MEASRD
Chlorine, total	residual	SAMPLE MEASUREMENT										
50060 1 0 Effluent Gross	i	PERMIT REQUIREMENT	*****	******		******	1.4 MO AVG	3.3 INST MAX	mg/L		Twice Per Month	GRAB
Coliform, feca	l general	SAMPLE MEASUREMENT									5	
74055 1 1 Effluent Gross		PERMIT REQUIREMENT	******	******		******	200 MO GEOMN	******	#/100mL		Twice Per Month	GRAB
BOD, carbona	ceous, 05 day 20 C	SAMPLE MEASUREMENT										
80082 1 0		PERMIT	*****	****		*****	25	50			Twice Per	COND 8

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	i DATT.	TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting fatse information.		724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

MO AVG

DAILY MX

mg/L

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

SAMPLES SHALL BE TAKEN AT OVERFLOW FROM THE CHLORINE CONTACT TANK PRIOR TO MIXING WITH ANY OTHER WATER.

REQUIREMENT

Effluent Gross

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PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

COMP-8

Month

203A

DISCHARGE NUMBER

Form Approved OMB No. 2040-0004

Page 17

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

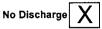
NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

_		÷	
ſ	MONITO	RING	PERIOD
	MM/DD/YYYY		MM/DD/YYY

PA0025615

PERMIT NUMBER

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) MAIN SEWAGE TMT PLANT Internal Outfall



ATTN: RAYMOND A LIEB/DIR SITE OPER

Г	MONITORING PERIOD									
	MM/DD/YYYY		MM/DD/YYYY							
FROM	09/ 01/ 2010	то	09/ 30/ 2010							

PARAMETER		QUANTI	TY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT										
00400 1 0	PERMIT	*****	*****		6	*****	9			Twice Per	GRAB
Effluent Gross	REQUIREMENT				MINIMUM		MAXIMUM	рН		Month	GRAD
Solids, total suspended	SAMPLE										
	MEASUREMENT	*****	*****		****				CI		
00530 1 0 Effluent Gross	PERMIT				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	30 MO AVG	60 DAILY MX	ma/L		Twice Per Month	COMP-8
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT										
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	.023 MO AVG	Req. Mon. DAILY MX	Mgal/d	******	******	******			Weekly	MEASRD
Chlorine, total residual	SAMPLE										
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		*****	1.4 MO AVG	3.3 INST MAX	mg/L		Twice Per Month	GRAB
Coliform, fecal general	SAMPLE MEASUREMENT										
74055 1 1 Effluent Gross	PERMIT REQUIREMENT	*****	******		******	200- MO GEOMN	*****	#/100mL		Twice Per Month	GRAB
BOD, carbonaceous, 05 day 20 C	SAMPLE MEASUREMENT										
80082 1 0 Effluent Gross	PERMIT	******	*****		******	25 MO/AVG	50 DAILY MX	ma/L		Twice Per Month	COMP-8

		$\sim \Lambda$			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and bellef, true, accurate, and complete. I am evare that there are significant penalties for submitting false information,		724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.		AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT OVERFLOW FROM THE CHLORINE CONTACT TANK PRIOR TO MIXING WITH ANY OTHER WATER.

Form Approved OMB No. 2040-0004

Page 18

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: FIRST ENERGY NUCLEAR OPERATING ADDRESS: PA ROUTE 168 SHIPPINGPORT, PA 150770004	PA0025615 211A PERMIT NUMBER DISCHARGE NUMBER	DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05)
FACILITY: BEAVER VALLEY POWER STATION LOCATION: PA ROUTE 168 SHIPPINGPORT, PA 150770004		211 TURBINE BLDG Internal Outfall
ATTN: RAYMOND A LIEB/DIR SITE OPER	MM/DD/YYYY MM/DD/YYYY FROM 09/ 01/ 2010 TO 09/ 30/ 2010	No Discharge

PARAMETER		QUANTI	TY OR LOADING		c	UALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.7	N/A	7.6	ρН	0	1/7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT		*****	N/A	6 MINIMUM	******	9 MAXIMUM	рН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	1 / 7	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	******	30 MO:AVG	100 DAILY MX	mg/L		Weekly	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<5	<5	mg/L	0	1 / 7	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	15 MO AVG	20 DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.002	0.002	MGD	N/A	N/A	N/Å		-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	*****	•••••	N/A	11 11	Weekly	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	2 DI	TEI	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

 \sim

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

:

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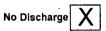
Page 19

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PA0025615

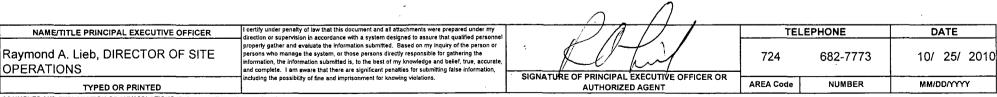
213A DISCHARGE NUMBER DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) UNIT 2 COOL TOWER PUMPHOUSE Internal Outfall



ATTN: RAYMOND A LIEB/DIR SITE OPER

1	MONITORING PERIOD									
	MM/C	DDM	(YY		MM/C	DDM	(1)1			
FROM	09/	01/	2010	то	09/	30/	2010			

PARAMETER		QUANTI	TY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT										
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	******	9 MAXIMUM	рН		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	30 MO AVG	100 DAILY MX	mg/L		Twice Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT										
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******			******	15 MO AVG	20 DAILY MX	mg/L	- 10	Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT						-				
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req: Mon. MO:AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	******			Weekly	ESTIMA
Chlorine, total residual	SAMPLE MEASUREMENT							-			
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****		******	.5 MO AVG	1.25 INST MAX	mg/L	N.	Twice Per Month	GRAB



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

SAMPLES SHALL BE TAKEN AT DISCHARGE FROM THE PUMP HOUSE PRIOR TO MIXING WITH ANY OTHER WATER. NOTE: THE MONITORING OF THIS DISCHARGE IS NOT REQUIRED WHEN EFFLUENT FROM UNIT NO. 2 COOLING TOWER PUMP HOUSE FLOOR & EQUIPMENT DRAINS IS BEING RECYCLED TO THE UNIT NO. 2 WATER RECIRCULATION SYSTEM.

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Form Approved OMB No. 2040-0004

Twice Per

Month

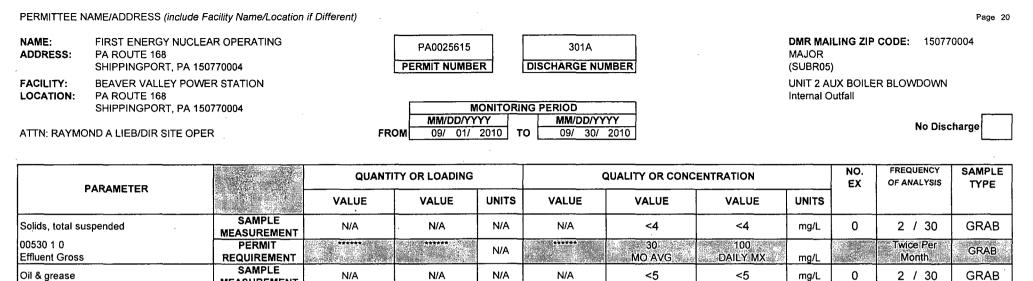
1 / 7

Weekly

GRAB

EST

ESTIMA



N/A

MGD

Mgal/d

N/A

15

MO AVG

N/A

20

ma/L

N/A

N/A

-

DAILY MX

N/A

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	A 111	TEI	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,		724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT THE DISCHARGE OF BOILER BLOWN DOWN PRIOR TO MIXING WITH ANY OTHER WATER.

MEASUREMENT

REQUIREMENT

SAMPLE

MEASUREMENT

PERMIT

REQUIREMENT

PERMIT

< 0.001

Req. Mon.

MO AVG

< 0.001

Req. Mon.

DAILY MX

Computer Generated Version of EPA Form 3320-1 (Rev. 01/06)

00556 1 0

50050 1 0

Effluent Gross

Effluent Gross

Flow, in conduit or thru treatment plant

MONITORING PERIOD

то

Form Approved OMB No. 2040-0004

Page 21

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615	
PERMIT NUMBER	ſ

MM/DD/YYYY

09/ 01/ 2010

FROM

303A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
UNIT 1 OIL WATER SEPARA	ATOR
internal Outfall	

No Discharge

PARAMETER		QUANTI	TY OR LOADING		Q	QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			·
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.0	N/A	8.5	рН	0	1 / 7	GRAB .
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	6 MINIMUM	******	9 MAXIMUM	pН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4 .	<4	mg/L	0	1 / 7	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	3	6	mg/L	0	1 / 7	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	15 MO AVG	20 DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.019	0.056	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	*****	******	N/A	a.	Weekly	ESTIMA

· · ·					•
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEI	LEPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and bellef, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	PAL	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT THE OVERFLOW FROM THE OIL WATER SEPARATOR PRIOR TO MIXING WITH ANY OTHER WATER.

MONITORING PERIOD

Form Approved OMB No. 2040-0004

Page 22

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PA0025615 PERMIT NUMBER

FROM

MM/DD/YYYY

09/ 01/ 2010 **TO**

313A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
313 TURBINE BLDG DRAIN	
Internal Outfall	

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER	QUANTI	TY OR LOADING		(QUALITY OR CONC	ENTRATION		NO. FREQUENCY SAMPLE EX OF ANALYSIS TYPE			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pН	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.9	N/A_	7.2	pН	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	*****	N/A	6 MINIMUM	******	9 MAXIMUM	ρН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	Ņ/A .	N/A	N/A	5	6	mg/L	0	1 / 7	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	3	5	mg/L	0	1 / 7	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	*****	15 MO AVG	20 DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.002	0.002	MGD	. N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******		******	N/A		Weekly	ESTIMA

		\sim			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	Rehi	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT DISCHARGE FROM OWS #21 PRIOR TO MIXING WITH ANY OTHER WATER.

MONITORING PERIOD

Form Approved OMB No. 2040-0004

Page 23

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

PA0025615 PERMIT NUMBER

MM/DD/YYYY

FROM

09/ 01/ 2010 **TO**

401A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) CHEM.FEED AREA OF AUX BOILERS Internal Outfall

No Discharge

PARAMETER		QUANTI	QUANTITY OR LOADING QUALITY OR CONCENTRAT			ENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.4	N/A	8.7	pН	0	2 / 30	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	******	Req. Mon. MAXIMUM	pН		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 30	GRAB
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Twice Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<5	<5	mg/L	0	2 / 30	GRAB
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	******	15 MO AVG	20 DAILY MX	mg/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	<0.001	<0.001	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******		******	N/A		Weekly	ESTIMA

					•	
	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TÈ	LEPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting failse information,	the for the second seco	724	682-7773	10/ 25/ 2010	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

SAMPLES SHALL BE TAKEN AT CHEMICAL FEED AREA DRAINS PRIOR TO MIXING WITH ANY OTHER WATER.

MONITORING PERIOD

· PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

.

PA0025615	
PERMIT NUMBER	

MM/DD/YYYY

09/ 01/ 2010 **TO**

FROM

403A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

// .

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
CONDENSATE BLOWDOW	N & RIVR WAT

Internal Outfall



PARAMETER		QUANTI	TY OR LOADING			QUALITY OR CONC			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pН	SAMPLE MEASUREMENT										
00400 1 0	PERMIT	*****	*****		6 MINIMUM	*****	9			Weekly	GRAB
Effluent Gross	REQUIREMENT				MINIMUM		MAXIMUM	рН		WEEKIY	01010
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0	PERMIT	*****	*****		*****	30	100			MI II	GRAB
Effluent Gross	REQUIREMENT					MO AVG	DAILY MX	mg/L		Weekly	GRAD
Oil & grease	SAMPLE MEASUREMENT						-			<u>}</u>	
00556 1 0	PERMIT	*****	*****		*****	15	20		1111	Weekly	GRAB
Effluent Gross	REQUIREMENT					MO AVG	DAILY MX	mg/L		VVEEKIY	GNAD
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT										
00610 1 0	PERMIT	******	*****		*****	Req. Mon.	Req. Mon.			Weekly	GRAB
Effluent Gross	REQUIREMENT					MO AVG	DAILY MX	mg/L		WEEKIY	GINAD.
CLAMTROL CT-1, TOTAL WATER	SAMPLE MEASUREMENT	•									
04251 1 0	PERMIT	*****	*****		*****	0	0			When	COMP24
Effluent Gross	REQUIREMENT					MO AVG	DAILY MX	mg/L	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Discharging	00000 24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT					1					
50050 1 0	PERMIT	Req. Mon.	Req. Mon.		******	******	******		0.00	Weekly	ESTIMA
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	_Mgal/d						Weekly	COTIVIA
Chlorine, total residual	SAMPLE MEASUREMENT										
50060 1 0 Effluent Gross	PERMIT	*****	*****	,	*****	.5 MO AVG	1.25 INST MAX	mg/L	100	Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supportion in accordance with a system designed to assure that qualified personnal		TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, sccurate, and complete. I am aware that there are significant penalties for submitting false information, personal submitted is and the significant penalties for submitting false information.	Rahi	724 682-7773		10/ 25/ 2010
TYPED OR PRINTED	Including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY
CONVENTS AND EXPLANATION OF ANY MOLATIONS (Defense of all the					

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

HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. REPORT THE DAILY MAXIMUM FOR BETZ DT-1 WHEN DISCHARGING (24 HR. COMP.): MG/L. (THE LIMIT IS 35 MG/L AS A DAILY MAX.) SAMPLES SHALL BE TAKEN AT MP 403 PRIOR TO MIXING WITH ANY OTHER WATER.

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OMB No. 2040-0004

Form Approved

Form Approved OMB No. 2040-0004

Page 25

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: FIRST ENERGY NUCLEAR OPERATING ADDRESS: PA ROUTE 168 SHIPPINGPORT, PA 150770004	PA0025615 403A PERMIT NUMBER DISCHARGE NUMBE	DMR MAILING ZIP CODE: 150770004 MAJOR R (SUBR05)
FACILITY:BEAVER VALLEY POWER STATIONLOCATION:PA ROUTE 168	· · · · · · · · · · · · · · · · · · ·	CONDENSATE BLOWDOWN & RIVR WAT
SHIPPINGPORT, PA 150770004 ATTN: RAYMOND A LIEB/DIR SITE OPER	MONITORING PERIOD MM/DD/YYYY MM/DD/YYYY FROM 09/ 01/ 2010 TO 09/ 30/ 2010	No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrazine	SAMPLE										
Hyurazine	MEASUREMENT					1					
81313 1 0	PERMIT	*****	*****		*****	0	0			Weekly	GRAB
Effluent Gross	REQUIREMENT		1		1.20	MOAVG	DAILY MX	mg/L	And Park	Weekiy	GIAD

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	i certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEL	EPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	724	682-7773	10/ 25/ 2010	
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all atta	achments here)					

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HYDRAZINE AND AMMONIA MONITORING TO APPLY DURING PERIODS OF WET LAYUP. REPORT THE DAILY MAXIMUM FOR BETZ DT-1 WHEN DISCHARGING (24 HR. COMP.): MG/L. (THE LIMIT IS 35 MG/L AS A DAILY MAX.) SAMPLES SHALL BE TAKEN AT MP 403 PRIOR TO MIXING WITH ANY OTHER WATER.

Computer Generated Version of EPA Form 3320-1 (Rev. 01/06)

MONITORING PERIOD

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Form Approved OMB No. 2040-0004

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PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168 SHIPPINGPORT, PA 150770004
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168 SHIPPINGPORT, PA 150770004

ATTN: RAYMOND A LIEB/DIR SITE OPER

PA0025615
PERMIT NUMBER

MM/DD/YYYY

FROM

09/ 01/ 2010

413A DISCHARGE NUMBER

MM/DD/YYYY

09/ 30/ 2010

DMR MAILING ZIP CODE:	150770004
MAJOR	
(SUBR05)	
BULK FUEL STORAGE DRA Internal Outfall	AIN



PARAMETER		QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
рН	SAMPLE MEASUREMENT	N/A	N/A	N/A		N/A		pН			
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	6 MINIMUM	******	9 MAXIMUM	pН		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A			-	mg/L			
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	N/A	******	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB
Oil & grease	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A			mg/L			
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	******	N/A	*****	15 MO AVG	20 • DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT			MGD				N/A			
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	******	******		N/A		Weekly	ESTIMA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel		TEI	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS	properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting faise information.	of left	724	682-7773	10/ 25/ 2010
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

SAMPLES SHALL BE TAKEN AT DISCHARGE FROM OWS #24 PRIOR TO MIXING WITH ANY OTHER WATER.

-501A

DISCHARGE NUMBER

Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)

ATTN: RAYMOND A LIEB/DIR SITE OPER

NAME: ADDRESS:	FIRST ENERGY NUCLEAR OPERATING PA ROUTE 168	PA0025615
	SHIPPINGPORT, PA 150770004	PERMIT NUMBER
FACILITY: LOCATION:	BEAVER VALLEY POWER STATION PA ROUTE 168	
	SHIPPINGPORT, PA 150770004	MONI

	MONITORING PERIOD								
	MM/DD/YYYY		MM/DD/YYYY						
FROM	09/ 01/ 2010	то	09/ 30/ 2010						

DMR MAILING ZIP CODE: 150770004 MAJOR (SUBR05) UNIT 1 GENRTR BLWDWN FILT BW Internal Outfall



PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	<u>ר</u> ו	
FADAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Solids, total suspended	SAMPLE MEASUREMENT											
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB	
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT											
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Weekiy	ESTIMA	

		γ Λ Λ			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	16111	TEL	EPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE	property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting faise information.	Rehad	724	682-7773	10/ 25/ 201
TYPED OR PRINTED	including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY
OMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all att	achments here)				

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) SAMPLES SHALL BE TAKEN AT INTERNAL MP 501 PRIOR TO MIXING WITH ANY OTHER WATER.

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