

September 23, 2010
L-10-276

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 August 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 second of three clamicides scheduled for this year. Attachment 3 to this letter is the yearly analysis for Chromium and Zinc required on outfalls 001, 004 and 012 as required by NPDES Permit Part C.19.

Included with the report this month are two amended Supplemental Laboratory Accreditation Forms for analyses performed to support permit requirements as required by 25 Pa. Code § 252.

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

IE25
NRR

Beaver Valley Power Station, Unit Nos. 1 and 2

L-10-276

Page 2

Attachment(s):

1. Weekly Dissolved Oxygen Monitoring Results at Outfall 001
2. Clamicide Report
3. Permit Part C.19 Chromium & Zinc Monitoring Outfalls 001, 004 and 012

Enclosure(s)

- A. Discharge Monitoring Report
- B. Supplemental Laboratory Accreditation Form

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

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
02-Aug-10	0830	7.70	mg/L
11-Aug-10	1130	7.15	mg/L
16-Aug-10	0800	7.00	mg/L
23-Aug-10	0840	7.40	mg/L
30-Aug-10	0835	8.32	mg/L

- Attachment 1 END -

ATTACHMENT 2

Clamicide Report

The following summarizes the second 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	07-20-10 – 07-21-10	07-13-10 – 07-14-10	07-27-10 – 07-28-10	08-03-10 – 08-04-10
Chemical Used ¹	256 pounds ³	1173 pounds ³	513 pounds ³	796 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/A ⁴	<0.1 mg/L	<0.1 mg/L
Detox Used ²	1271 pounds	1271 pounds	1393 pounds	1578 pounds
Outfall 001 Concentration ³	3.4 mg/L	3.1 mg/L	2.7 mg/L	2.8 mg/L
Outfall 010 Concentration ³	N/A ⁴	N/A ⁴	7.7 mg/L	11.6 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 2 END -

ATTACHMENT 3

Permit Part C.19 Chromium & Zinc Monitoring Outfalls 001, 004, and 012

Permit Part C.19 requires monitoring for chromium and zinc at Outfalls 001, 004, and 012 twice per year in the same month.

Outfall 001	SAMPLE DATE	SAMPLE TIME	VALUE	MEASURE UNITS
Chromium	8/08/10	1200	<0.010	mg/L
Zinc	8/08/10	1200	<0.020	mg/L
Chromium	8/11/10	0900	<0.010	mg/L
Zinc	8/11/10	0900	<0.020	mg/L

Outfall 004	SAMPLE DATE	SAMPLE TIME	VALUE	MEASURE UNITS
Chromium	8/07/10	1015	<0.010	mg/L
Zinc	8/07/10	1015	<0.020	mg/L
Chromium	8/11/10	0945	<0.010	mg/L
Zinc	8/11/10	0945	<0.020	mg/L

Outfall 012	SAMPLE DATE	SAMPLE TIME	VALUE	MEASURE UNITS
Chromium	8/05/10	0905	<0.010	mg/L
Zinc	8/05/10	0905	0.022	mg/L
Chromium	8/11/10	0830	<0.010	mg/L
Zinc	8/11/10	0830	0.022	mg/L

- Attachment 3 END -

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

Form Approved
OMB No. 2040-0004

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

Page 1

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

PA0025615
PERMIT NUMBER

001A
DISCHARGE NUMBER

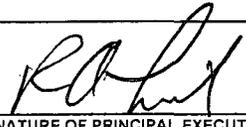
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNITS 1&2 COOLG. TOWER BLWDN
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.3	N/A	8.6	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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	1 / 31	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	45.7	48.0	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	0.0	0.15	mg/L	0	5 / 31	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	0.0	0.1	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		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
TYPED OR PRINTED			724 682-7773	09/ 23/ 2010	
			AREA Code	NUMBER	MM/DD/YYYY

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

The BETZ DT-1 daily maximum was 2.8 mg/L. WMC 9-14-10

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.

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

Form Approved
OMB No. 2040-0004

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

Page 2

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

PA0025615
PERMIT NUMBER

002A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
INTAKE SCREEN BACKWASH
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
MM/DD/YYYY MM/DD/YYYY
FROM 08/ 01/ 2010 TO 08/ 31/ 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	0.006	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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

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

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OMB No. 2040-0004

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

Page 3

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

003A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
003
External Outfall

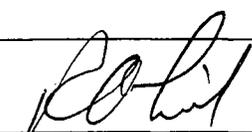
FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

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	0.041	0.090	MGD	N/A	N/A	N/A	N/A	-	2 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773
TYPED OR PRINTED	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 FLOWS FOR OUTFALLS 103, 203, 303, AND 403 ARE TO BE TOTALED AND REPORTED AS THE 003 FLOW.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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Page 4

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SHIPPINGPORT, PA 150770004
FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

004A
DISCHARGE NUMBER

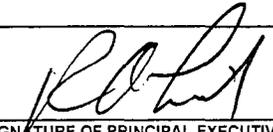
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT ONE COOLG TOWER OVERFLOW
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.1	N/A	8.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	3.47	3.85	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	0.03	0.09	mg/L	0	1 / 7	GRAB
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	*****	2 AVERAGE	5 MAXIMUM	mg/L		Weekly	GRAB

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Page 5

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SHIPPINGPORT, PA 150770004
FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

006A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 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	0.002	0.016	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

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

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

Page 6

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

PA0025615
PERMIT NUMBER

007A
DISCHARGE NUMBER

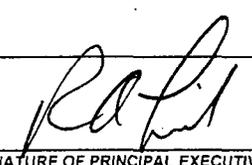
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
AUX. INTAKE SYSTEM
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		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	*****	*****	*****			Weekly	GRAB
Chlorine, total residual	SAMPLE MEASUREMENT										
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	5 MO. AVG	1.25 INST. MAX	mg/L		Weekly	GRAB
Chlorine, free available	SAMPLE MEASUREMENT										
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	.2 AVERAGE	.5 MAXIMUM	mg/L		Weekly	GRAB

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Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments 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.

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

Form Approved
OMB No. 2040-0004

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

Page 7

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		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 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

PA0025615
PERMIT NUMBER

010A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.7	N/A	7.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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 / 31	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	4.6	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	<0.02	<0.02	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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

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)

The BETZ DT-1 daily maximum was 11.6 mg/L. WMC 9-14-10

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

Form Approved
OMB No. 2040-0004

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

Page 9

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

PA0025615
PERMIT NUMBER

011A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
DIESEL GEN & TURBINE DRAINS
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010	
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

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

Form Approved
OMB No. 2040-0004

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

Page 10

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

PA0025615
PERMIT NUMBER

012A
DISCHARGE NUMBER

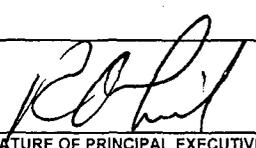
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
BLOWDOWN FROM THE HVAC UNIT
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.3	N/A	8.3	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Once Per Month	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0195	0.0230	mg/L	0	2 / 31	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 / 31	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 / 31	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	512	536	mg/L	0	2 / 31	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010	
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

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

Form Approved
OMB No. 2040-0004

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

Page 11

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

PA0025615
PERMIT NUMBER

013A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
08/ 01/ 2010	FROM	08/ 31/ 2010	TO

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	7.6	N/A	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Cyanide, total (as CN)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A	0	2 / 31	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	0.0130	0.0150	N/A	0	2 / 31	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 MEASUREMENT	N/A	N/A	N/A	N/A	<0.005	<0.005	N/A	0	2 / 31	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 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 12

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

PA0025615
PERMIT NUMBER

101A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		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										
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										
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	Mgal/d	*****	*****	*****			DAILY	CONTIN
Hydrazine	SAMPLE MEASUREMENT										
81313 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	mg/L		Weekly	GRAB

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TYPED OR PRINTED			724 682-7773	09/ 23/ 2010	
			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.

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

Form Approved
OMB No. 2040-0004

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

Page 13

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

PA0025615
PERMIT NUMBER

102A
DISCHARGE NUMBER

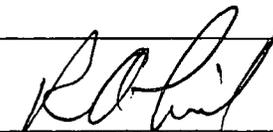
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
102 INTAKE SCREEN HOUSE
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.3	N/A	8.0	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 THE DISCHARGE OF COLLECTED PUMP BEARING LEAKAGE PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 14

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

PA0025615
PERMIT NUMBER

103A
DISCHARGE NUMBER

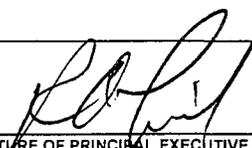
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
SLUDGE SETTLING BASIN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
08/ 01/ 2010	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.2	N/A	7.7	pH	0	4 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	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 THE OVERFLOW FROM THE BASIN PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 15

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

PA0025615
PERMIT NUMBER

111A
DISCHARGE NUMBER

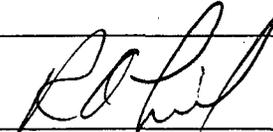
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
111 DIESEL GENERATOR BLDG
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.6	N/A	7.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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/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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

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

Form Approved
OMB No. 2040-0004

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

Page 16

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

PA0025615
PERMIT NUMBER

113A
DISCHARGE NUMBER

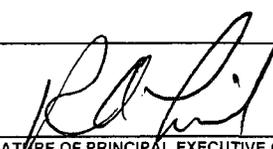
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
UNIT 2 SEWAGE TMT PLANT
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

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	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	30 MO AVG	60 DAILY MX	mg/L		Twice Per Month	COMP-8
Flow, in conduit 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	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 REQUIREMENT	*****	*****		*****	25 MO AVG	50 DAILY MX	mg/L		Twice Per Month	COMP-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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 17

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

PA0025615
PERMIT NUMBER

203A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

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	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	30 MO AVG	60 DAILY MX	mg/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 MEASUREMENT										
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 REQUIREMENT	*****	*****		*****	25 MO AVG	50 DAILY MX	mg/L		Twice Per Month	COMP-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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 18

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

PA0025615
PERMIT NUMBER

211A
DISCHARGE NUMBER

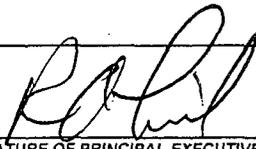
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
211 TURBINE BLDG
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	6.8	pH	0	1 / 7	GRAB
	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	1 / 7	GRAB
	PERMIT REQUIREMENT	*****	*****	N/A	*****	30 MO.AVG	100 DAILY.MX	mg/L		Weekly	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<5	<5	mg/L	0	1 / 7	GRAB
	PERMIT REQUIREMENT	*****	*****	N/A	*****	15 MO.AVG	20 DAILY.MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.002	0.002	MGD	N/A	N/A	N/A		-	1 / 7	EST
	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

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

Form Approved
OMB No. 2040-0004

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

Page 19

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

PA0025615
PERMIT NUMBER

213A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		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 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		Twice Per Month	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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.

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

Form Approved
OMB No. 2040-0004

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

Page 20

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

PA0025615
PERMIT NUMBER

301A
DISCHARGE NUMBER

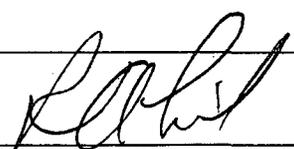
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
UNIT 2 AUX BOILER BLOWDOWN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 THE DISCHARGE OF BOILER BLOWN DOWN PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 20

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

PA0025615
PERMIT NUMBER

301A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 2 AUX BOILER BLOWDOWN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION-				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	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 THE DISCHARGE OF BOILER BLOWN DOWN PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 21

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

PA0025615
PERMIT NUMBER

303A
DISCHARGE NUMBER

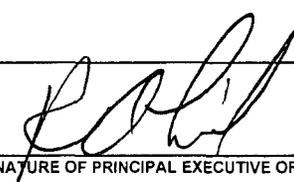
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 1 OIL WATER SEPARATOR
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.0	N/A	7.2	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	5	14	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	0.019	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		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 22

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

PA0025615
PERMIT NUMBER

313A
DISCHARGE NUMBER

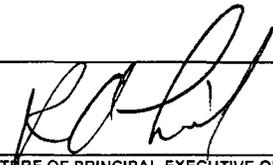
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
313 TURBINE BLDG DRAIN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	7.7	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	5	7	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/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Reg Mon MO AVG	Reg 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 23

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

PA0025615
PERMIT NUMBER

401A
DISCHARGE NUMBER

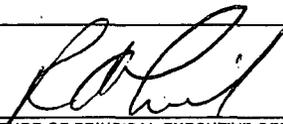
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
CHEM.FEED AREA OF AUX BOILERS
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
08/ 01/ 2010	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	9.1	N/A	9.6	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	Req. Mon. MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 24

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

PA0025615
PERMIT NUMBER

403A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
CONDENSATE BLOWDOWN & RIVR WAT
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
00400 1 0 Effluent Gross	SAMPLE MEASUREMENT										
Solids, total suspended	PERMIT REQUIREMENT	*****	*****		30 MO.AVG	*****	100 DAILY.MX	mg/L		Weekly	GRAB
00530 1 0 Effluent Gross	SAMPLE MEASUREMENT										
Oil & grease	PERMIT REQUIREMENT	*****	*****		15 MO.AVG	*****	20 DAILY.MX	mg/L		Weekly	GRAB
00556 1 0 Effluent Gross	SAMPLE MEASUREMENT										
Nitrogen, ammonia total (as-N)	PERMIT REQUIREMENT	*****	*****		Req. Mon. MO.AVG	*****	Req. Mon. DAILY.MX	mg/L		Weekly	GRAB
00610 1 0 Effluent Gross	SAMPLE MEASUREMENT										
CLAMTROL CT-1, TOTAL WATER	PERMIT REQUIREMENT	*****	*****		0 MO.AVG	*****	0 DAILY.MX	mg/L		When Discharging	COMP24
04251 1 0 Effluent Gross	SAMPLE MEASUREMENT										
Flow, in conduit or thru treatment plant	PERMIT REQUIREMENT	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	Mgal/d	*****	*****	*****			Weekly	ESTIMA
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT										
Chlorine, total residual	PERMIT REQUIREMENT	*****	*****		5 MO.AVG	*****	1.25 INST. MAX	mg/L		Weekly	GRAB
50060 1 0 Effluent Gross	SAMPLE MEASUREMENT										

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 25

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

PA0025615
PERMIT NUMBER

403A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)

CONDENSATE BLOWDOWN & RIVR WAT
Internal Outfall

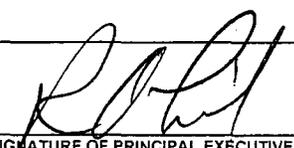
ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 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 MEASUREMENT										
81313 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	0 MO:AVG	0 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	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. 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.

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

Form Approved
OMB No. 2040-0004

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

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

PA0025615
PERMIT NUMBER

413A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
08/ 01/ 2010	FROM	08/ 31/ 2010	TO

No Discharge



PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A		N/A		pH			
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 27

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

PA0025615
PERMIT NUMBER

501A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		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	*****	*****	*****			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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 1

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

001A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
UNITS 1&2 COOLG. TOWER BLWDN
External Outfall

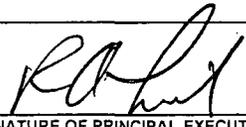
FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

MONITORING PERIOD
FROM 08/01/2010 TO 08/31/2010

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.3	N/A	8.6	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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	1 / 31	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	45.7	48.0	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	0.0	0.15	mg/L	0	5 / 31	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	0.0	0.1	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		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010
TYPED OR PRINTED	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 2.8 mg/L. WMC 9-14-10

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.

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

Form Approved
OMB No. 2040-0004

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

Page 2

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

PA0025615
PERMIT NUMBER

002A
DISCHARGE NUMBER

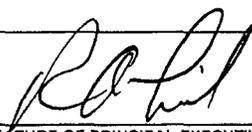
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
INTAKE SCREEN BACKWASH
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 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	0.006	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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

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

Form Approved
OMB No. 2040-0004

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

Page 3

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

PA0025615
PERMIT NUMBER

003A
DISCHARGE NUMBER

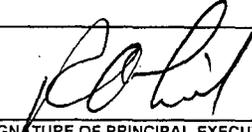
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
003
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
MM/DD/YYYY MM/DD/YYYY
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER	SAMPLE MEASUREMENT	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		0.041	0.090	MGD	N/A	N/A	N/A	N/A	-	2 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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.

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

Form Approved
OMB No. 2040-0004

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

Page 4

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

004A
DISCHARGE NUMBER

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

FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.1	N/A	8.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	3.47	3.85	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	0.03	0.09	mg/L	0	1 / 7	GRAB
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	*****	.2 AVERAGE	.5 MAXIMUM	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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

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

Form Approved
OMB No. 2040-0004

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

Page 5

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

PA0025615
PERMIT NUMBER

006A
DISCHARGE NUMBER

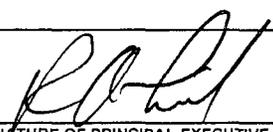
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
AUX. INTAKE SCREEN BACKWASH
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	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		0.002	0.016	MGD	N/A	N/A	N/A	N/A	-	1 / 7	EST
50050 1 0 Effluent Gross		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY	

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

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

Form Approved
OMB No. 2040-0004

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

Page 6

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

PA0025615
PERMIT NUMBER

007A
DISCHARGE NUMBER

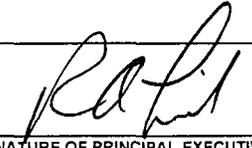
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
AUX. INTAKE SYSTEM
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
08/ 01/ 2010	FROM	08/ 31/ 2010	TO

No Discharge

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	pH		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	*****	*****	*****			Weekly	GRAB
Chlorine, total residual	SAMPLE MEASUREMENT										
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	.5 MO/AVG	1.25 INST MAX	mg/L		Weekly	GRAB
Chlorine, free available	SAMPLE MEASUREMENT										
50064 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	2 AVERAGE	5 MAXIMUM	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments 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.

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

Form Approved
OMB No. 2040-0004

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

Page 7

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		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 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY	

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

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

Form Approved
OMB No. 2040-0004

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

Page 8

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

010A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)

FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

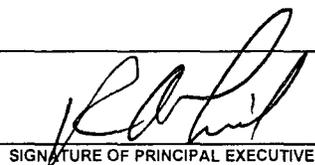
UNIT 2 COOLING WATER
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
08/ 01/ 2010	FROM	08/ 31/ 2010	TO

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.7	N/A	7.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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 / 31	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	4.6	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	<0.02	<0.02	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

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Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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

The BETZ DT-1 daily maximum was 11.6 mg/L. WMC 9-14-10

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)

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

Form Approved
OMB No. 2040-0004

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

Page 9

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

PA0025615
PERMIT NUMBER

011A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
DIESEL GEN & TURBINE DRAINS
External Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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

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

Form Approved
OMB No. 2040-0004

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

Page 10

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

PA0025615
PERMIT NUMBER

012A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	8.3	N/A	8.3	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Once Per Month	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	0.0195	0.0230	mg/L	0	2 / 31	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 / 31	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 / 31	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	512	536	mg/L	0	2 / 31	GRAB
70295 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Twice Per Month	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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

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

Form Approved
OMB No. 2040-0004

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

Page 11

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

PA0025615
PERMIT NUMBER

013A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	7.6	N/A	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Cyanide, total (as CN)	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<0.01	<0.01	N/A	0	2 / 31	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	0.0130	0.0150	N/A	0	2 / 31	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 MEASUREMENT	N/A	N/A	N/A	N/A	<0.005	<0.005	N/A	0	2 / 31	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 / 31	EST
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****	N/A		Twice Per Month	ESTIMA

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Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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.

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

Form Approved
OMB No. 2040-0004

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

Page 12

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

101A
DISCHARGE NUMBER

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

FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

ATTN: RAYMOND A LIEB/DIR SITE OPER

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	PERMIT REQUIREMENT	*****	*****		6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
00400 1 0 Effluent Gross											
Solids, total suspended	PERMIT REQUIREMENT	*****	*****		*****	30 MO.AVG	100 DAILY.MX	mg/L		Weekly	COMP-2
00530 1 0 Effluent Gross											
Oil & grease	PERMIT REQUIREMENT	*****	*****		*****	15 MO.AVG	20 DAILY.MX	mg/L		Weekly	GRAB
00556 1 0 Effluent Gross											
Nitrogen, ammonia total (as N)	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	mg/L		Weekly	GRAB
00610 1 0 Effluent Gross											
Flow, in conduit or thru treatment plant	PERMIT REQUIREMENT	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	Mgal/d	*****	*****	*****			DAILY	CONTIN
50050 1 0 Effluent Gross											
Hydrazine	PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. MO.AVG	Req. Mon. DAILY.MX	mg/L		Weekly	GRAB
81313 1 0 Effluent Gross											

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Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724 682-7773		09/ 23/ 2010
TYPED OR PRINTED	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.

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

Form Approved
OMB No. 2040-0004

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

Page 13

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

PA0025615
PERMIT NUMBER

102A
DISCHARGE NUMBER

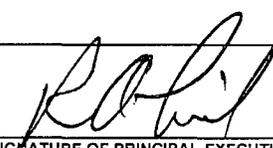
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
102 INTAKE SCREEN HOUSE
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.3	N/A	8.0	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 THE DISCHARGE OF COLLECTED PUMP BEARING LEAKAGE PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 14

NAME: FIRST ENERGY NUCLEAR OPERATING
ADDRESS: PA ROUTE 168
SHIPPINGPORT, PA 150770004

PA0025615
PERMIT NUMBER

103A
DISCHARGE NUMBER

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

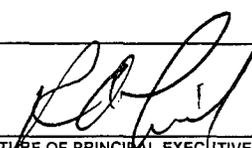
FACILITY: BEAVER VALLEY POWER STATION
LOCATION: PA ROUTE 168
SHIPPINGPORT, PA 150770004

MONITORING PERIOD
MM/DD/YYYY TO MM/DD/YYYY
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

ATTN: RAYMOND A LIEB/DIR SITE OPER

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.2	N/A	7.7	pH	0	4 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 THE OVERFLOW FROM THE BASIN PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 15

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

PA0025615
PERMIT NUMBER

111A
DISCHARGE NUMBER

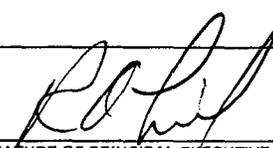
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
111 DIESEL GENERATOR BLDG
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.6	N/A	7.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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/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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			AREA Code	NUMBER	MM/DD/YYYY

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

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

Form Approved
OMB No. 2040-0004

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

Page 16

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

PA0025615
PERMIT NUMBER

113A
DISCHARGE NUMBER

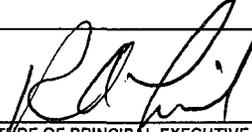
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 2 SEWAGE TMT PLANT
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

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	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT										
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	30 MO.AVG	60 DAILY.MX	mg/L		Twice Per Month	COMP-8
Flow, in conduit 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	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 REQUIREMENT	*****	*****		*****	25 MO.AVG	50 DAILY.MX	mg/L		Twice Per Month	COMP-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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 17

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

PA0025615
PERMIT NUMBER

203A
DISCHARGE NUMBER

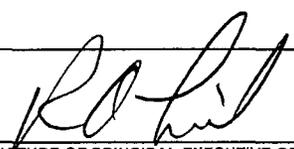
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
MAIN SEWAGE TMT PLANT
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 08/ 01/ 2010	TO 08/ 31/ 2010

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	00400 1 0 Effluent Gross	*****	*****		6 MINIMUM	*****	9 MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	00530 1 0 Effluent Gross	*****	*****		*****	30 MO.AVG	60 DAILY.MX	mg/L		Twice Per Month	COMP-8
Flow, in conduit or thru treatment plant	50050 1 0 Effluent Gross	023 MO.AVG	Req. Mon. DAILY.MX	Mgal/d	*****	*****	*****			Weekly	MEASRD
Chlorine, total residual	50060 1 0 Effluent Gross	*****	*****		*****	1.4 MO.AVG	3.3 INST.MAX	mg/L		Twice Per Month	GRAB
Coliform, fecal general	74055 1 1 Effluent Gross	*****	*****		*****	200 MO.GEOMN	*****	#/100mL		Twice Per Month	GRAB
BOD, carbonaceous, 05 day 20 C	80082 1 0 Effluent Gross	*****	*****		*****	25 MO.AVG	50 DAILY.MX	mg/L		Twice Per Month	COMP-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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
TYPED OR PRINTED			724 682-7773	09/ 23/ 2010	
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			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.

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

Form Approved
OMB No. 2040-0004

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

Page 18

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

PA0025615
PERMIT NUMBER

211A
DISCHARGE NUMBER

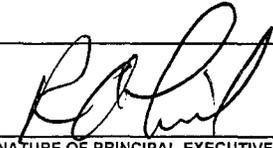
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
211 TURBINE BLDG
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	6.8	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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/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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY	

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

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

Form Approved
OMB No. 2040-0004

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

Page 19

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

PA0025615
PERMIT NUMBER

213A
DISCHARGE NUMBER

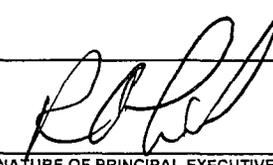
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 2 COOL TOWER PUMPHOUSE
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

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	pH		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 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		Twice Per Month	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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010
TYPED OR PRINTED			AREA Code	NUMBER
				MM/DD/YYYY

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.

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

Form Approved
OMB No. 2040-0004

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

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

PA0025615
PERMIT NUMBER

301A
DISCHARGE NUMBER

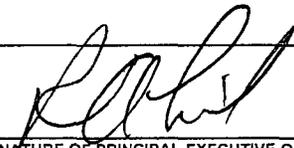
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 2 AUX BOILER BLOWDOWN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER

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.

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

Form Approved
OMB No. 2040-0004

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

Page 21

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

PA0025615
PERMIT NUMBER

303A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 1 OIL WATER SEPARATOR
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	7.0	N/A	7.2	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	5	14	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	0.019	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		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724	682-7773	09/ 23/ 2010
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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.

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

Form Approved
OMB No. 2040-0004

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

Page 22

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

PA0025615
PERMIT NUMBER

313A
DISCHARGE NUMBER

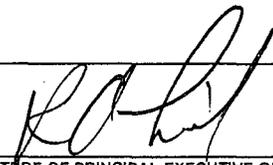
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
313 TURBINE BLDG DRAIN
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM 08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	6.6	N/A	7.7	pH	0	1 / 7	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	5	7	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/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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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.

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

Form Approved
OMB No. 2040-0004

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

Page 23

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

PA0025615
PERMIT NUMBER

401A
DISCHARGE NUMBER

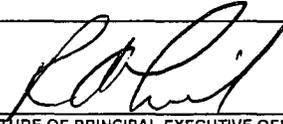
DMR MAILING ZIP CODE: 150770004
MAJOR (SUBR05)
CHEM.FEED AREA OF AUX BOILERS
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER,

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A	9.1	N/A	9.6	pH	0	2 / 31	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	Req. Mon. MAXIMUM	pH		Twice Per Month	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	N/A	N/A	N/A	N/A	<4	<4	mg/L	0	2 / 31	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 / 31	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

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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 CHEMICAL FEED AREA DRAINS PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 24

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

PA0025615
PERMIT NUMBER

403A
DISCHARGE NUMBER

DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)

CONDENSATE BLOWDOWN & RIVR WAT
Internal Outfall

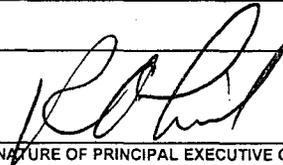
ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
08/ 01/ 2010	FROM	08/ 31/ 2010	TO

No Discharge



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	pH		Weekly	GRAB	
Solids, total suspended	SAMPLE MEASUREMENT											
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB	
Oil & grease	SAMPLE MEASUREMENT											
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	
CLAMTROL CT-1, TOTAL WATER	SAMPLE MEASUREMENT											
04251 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	0 MO AVG	0 DAILY MX	mg/L		When Discharging	COMP24	
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		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED			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. 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.

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

Form Approved
OMB No. 2040-0004

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

Page 25

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

PA0025615
PERMIT NUMBER

403A
DISCHARGE NUMBER

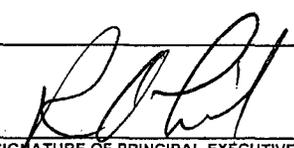
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
CONDENSATE BLOWDOWN & RIVR WAT
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM **MM/DD/YYYY** 08/ 01/ 2010 TO **MM/DD/YYYY** 08/ 31/ 2010

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Hydrazine 81313 1 0 Effluent Gross		*****	*****		*****	0 MO.AVG	0 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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724	682-7773	09/ 23/ 2010
TYPED OR PRINTED	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. 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.

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

Form Approved
OMB No. 2040-0004

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

Page 26

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

PA0025615
PERMIT NUMBER

413A
DISCHARGE NUMBER

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

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD
FROM MM/DD/YYYY TO MM/DD/YYYY
08/ 01/ 2010 TO 08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	N/A	N/A	N/A		N/A		pH			
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	N/A	6 MINIMUM	*****	9 MAXIMUM	pH		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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS		724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 #24 PRIOR TO MIXING WITH ANY OTHER WATER.

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

Form Approved
OMB No. 2040-0004

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

Page 27

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

PA0025615
PERMIT NUMBER

501A
DISCHARGE NUMBER

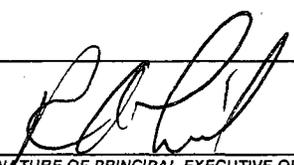
DMR MAILING ZIP CODE: 150770004
MAJOR
(SUBR05)
UNIT 1 GENRTR BLWDWN FILT BW
Internal Outfall

ATTN: RAYMOND A LIEB/DIR SITE OPER

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	08/ 01/ 2010	TO	08/ 31/ 2010

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Solids, total suspended	SAMPLE MEASUREMENT										
00530.10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	30 MO AVG	100 DAILY MX	mg/L		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT										
50050.10 Effluent Gross	PERMIT REQUIREMENT	Req. Mon MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			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 properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		TELEPHONE		DATE
Raymond A. Lieb, DIRECTOR OF SITE OPERATIONS			724 682-7773	09/ 23/ 2010	
TYPED OR PRINTED	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 INTERNAL MP 501 PRIOR TO MIXING WITH ANY OTHER WATER.



SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>FirstEnergy Nuclear Operating Company</u>										
Address: <u>P.O. Box 4</u>										
<u>Shippingport, PA 15077</u>										
<u>Beaver Valley Power Station</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0025615				2010	08	01	TO	2010	08	31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²							
Powerline 3627 (Clamtrol)	Photometric Determination	Beaver Valley Power Station	04-2742							
Bentonite Detoxicant (Betz DT-1)	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742							
Total Residual Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742							
Free Available Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742							
pH	SM 4500-H+ B [20 th]	Beaver Valley Power Station	04-2742							
Temperature	SM 2550 B [20 th]	Beaver Valley Power Station	04-2742							
Flow	NA	Beaver Valley Power Station	04-2742							
Total Suspended Solids	SM 2540 D [20 th]	Beaver Valley Power Station	04-2742							
Hydrazine	ASTM D1385-07	Beaver Valley Power Station	04-2742							

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

Name/Title Principal Executive Officer

Raymond A. Lieb
Director Site Operations

Phone: 724-682-7773

Date: 09/23/10

Signature of Principal Executive Officer or
Authorized Agent

¹ Submit this form with the first Discharge Monitoring Report (DMR), Annual Report or Recordkeeping and Reporting Form, where sample results are submitted to the Department for compliance purposes. You do not need to send this form to the Department again UNLESS there has been a change to the lab or method of analysis.

² For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.

³ Analysis no longer performed.



SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>FirstEnergy Nuclear Operating Company</u>										
Address: <u>P.O. Box 4</u>										
<u>Shippingport, PA 15077</u>										
<u>Beaver Valley Power Station</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0025615				2010	08	01	TO	2010	08	31
PARAMETER										
ANALYSIS METHOD										
LAB NAME										
LAB ID NUMBER²										
Zinc			EPA 200.7 Rev 4.4			FirstEnergy Corp-Beta Lab			68-01120	
Copper			EPA 200.7 Rev 4.4			FirstEnergy Corp-Beta Lab			68-01120	
Iron			EPA 200.7 Rev 4.4			FirstEnergy Corp-Beta Lab			68-01120	
Chromium			EPA 200.7 Rev 4.4			FirstEnergy Corp-Beta Lab			68-01120	
Ammonia			EPA 350.1 (discrete)			FirstEnergy Corp-Beta Lab			68-01120	
Cyanide			SM 4500-CN E [18th]			Precision Analytical Inc			68-00434	
Chlorobenzene			EPA 624			Precision Analytical Inc			68-00434	
Oil and Grease			EPA 1664 Rev A			FirstEnergy Corp-Beta Lab			68-01120	
Total Dissolved Solids			SM 2540 C [20 th]			FirstEnergy Corp-Beta Lab			68-01120	

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

Name/Title Principal Executive Officer

 Raymond A. Lieb
 Director Site Operations
Phone: 724-682-7773Date: 09/23/2010
 Signature of Principal Executive Officer or
 Authorized Agent

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² For parameter(s) covered under accreditation-by-rule, submit the lab's registration number in lieu of an accreditation number.



SUPPLEMENTAL LABORATORY ACCREDITATION FORM¹

Permittee Name: <u>FirstEnergy Nuclear Operating Company</u>										
Address: <u>P.O. Box 4</u>										
<u>Shippingport, PA 15077</u>										
<u>Beaver Valley Power Station</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0025615				2010	08	01	TO	2010	08	31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²							
Powerline 3627 (Clamtrol)	Photometric Determination	Beaver Valley Power Station	04-2742							
Bentonite Detoxicant (Betz DT-1)	Estimated using feed rate and discharge flow rate per NPDES Permit PA0025645	Beaver Valley Power Station	04-2742							
Total Residual Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742							
Free Available Chlorine	SM 4500-CL G [20 th]	Beaver Valley Power Station	04-2742							
pH	SM 4500-H+ B [20 th]	Beaver Valley Power Station	04-2742							
Temperature	SM 2550 B [20 th]	Beaver Valley Power Station	04-2742							
Flow	NA	Beaver Valley Power Station	04-2742							
Total Suspended Solids	SM 2540 D [20 th]	Beaver Valley Power Station	04-2742							
Hydrazine	ASTM D1385-07	Beaver Valley Power Station	04-2742							

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

Name/Title Principal Executive Officer

Phone: 724-682-7773

Raymond A. Lieb
Director Site Operations

Date: 09/23/10

Signature of Principal Executive Officer or
Authorized Agent

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³ Analysis no longer performed.



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Address: <u>P.O. Box 4</u>										
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<u>Beaver Valley Power Station</u>										
PERMIT NUMBER				MONITORING PERIOD Year/Month/Day						
PA0025615				2010	08	01	TO	2010	08	31
PARAMETER	ANALYSIS METHOD	LAB NAME	LAB ID NUMBER ²							
Zinc	EPA 200.7 Rev 4.4	FirstEnergy Corp-Beta Lab	68-01120							
Copper	EPA 200.7 Rev 4.4	FirstEnergy Corp-Beta Lab	68-01120							
Iron	EPA 200.7 Rev 4.4	FirstEnergy Corp-Beta Lab	68-01120							
Chromium	EPA 200.7 Rev 4.4	FirstEnergy Corp-Beta Lab	68-01120							
Ammonia	EPA 350.1 (discrete)	FirstEnergy Corp-Beta Lab	68-01120							
Cyanide	SM 4500-CN E [18th]	Precision Analytical Inc	68-00434							
Chlorobenzene	EPA 624	Precision Analytical Inc	68-00434							
Oil and Grease	EPA 1664 Rev A	FirstEnergy Corp-Beta Lab	68-01120							
Total Dissolved Solids	SM 2540 C [20 th]	FirstEnergy Corp-Beta Lab	68-01120							

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Name/Title Principal Executive Officer

Phone: 724-682-7773Signature of Principal Executive Officer or
Authorized Agent
Raymond A. Lieb
 Director Site Operations
Date: 09/23/2010

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