



FirstEnergy Nuclear Operating Company

Perry Nuclear Power Station
10 Center Road
Perry, Ohio 44081

Mark B. Bezilla
Vice President

440-280-5382
Fax: 440-280-8029

March 15, 2010

L-10-091

Ohio Environmental Protection Agency
Division of Water Pollution Control
Enforcement Section, ES/DMR
P.O. Box 1049
Columbus, Ohio 43216-1049

SUBJECT:

Perry Nuclear Power Plant, February NPDES Discharge Monitoring Report

Enclosed are the Perry Nuclear Power Plant, NPDES monthly report forms for the month of February 2010. No violations occurred during this period.

If you have questions or require additional information, please contact Mr. Randall Killing at (440) 280-7370.

Sincerely,

Mark B. Bezilla

Enclosures:

- A Station Code 004 Report
- B Station Code 094 Report
- C Station Code 601 Report
- D Station Code 602 Report
- E Station Code 800 Report

cc: NRC Region III

NRC Resident Inspector

NRR Project Manager

NRC Document Control Desk (Docket No. 50-440)

IE25

NRR

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

FACILITY:

LOCATION:

COUNTY:

DISTRICT:

FirstEnergy Nuclear Gen Corp - Perry Plant
10 Center Rd
North Perry, OH 44081
Lake
NEDO

STATUS:

PERMIT NUMBER:

STATION CODE:

MONITORING PERIOD :

REPORTING LAB:

ANALYST:

NO DISCHARGE INDICATOR:

Draft

31B00016*ID

004

2010-02-01 To: 2010-02-28

CCB125

Randall Killing

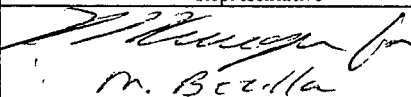
PARAMETER	Water Temperature	Flow Rate	pH	Zinc, Total Recoverable	Copper, Total Recoverable	Oxidants, Total Residual	Chlorine, Total Residual
PARAMETER CODE	00011	50050	00400	01094	01119	34044	50060
UNITS	F	MGD	S.U.	ug/l	ug/l	mg/l	mg/l
FREQUENCY	1/Day	1/Day	2/Week	1/Month	1/Month	When Disch.	When Disch.
SAMPLING TYPE	Continuous	Continuous	Grab	Grab	Grab	Grab	Grab
2010-02-01	43	54.8				AH	AA 0.05
2010-02-02	43	53.1	8.29	AA 6.0	AA 3.0	AH	AA 0.05
2010-02-03	45	51.6				AH	AA 0.05
2010-02-04	48	47.4				AH	AA 0.05
2010-02-05	47	45.7	8.49			AH	AA 0.05
2010-02-06	47	51.2				AH	AA 0.05
2010-02-07	47	49.3				AH	AA 0.05
2010-02-08	47	55.7				AH	AA 0.05
2010-02-09	48	55.6	8.24			AH	AA 0.05
2010-02-10	51	53.0				AH	AA 0.05
2010-02-11	45	58.4				AH	AA 0.05
2010-02-12	45	54.1				AH	AA 0.05
2010-02-13	45	54.0	8.3			AH	AA 0.05
2010-02-14	45	53.6				AH	AA 0.05
2010-02-15	45	53.6				AH	AA 0.05
2010-02-16	45	52.6	8.47			AH	AA 0.05
2010-02-17	46	52.9				AH	AA 0.05
2010-02-18	46	52.6				AH	AA 0.05
2010-02-19	46	52.0	8.35			AH	AA 0.05
2010-02-20	45	51.7				AH	AA 0.05
2010-02-21	46	40.7				AH	AA 0.05
2010-02-22	47	35.4				AH	AA 0.05
2010-02-23	48	37.9	8.44			AH	AA 0.05
2010-02-24	48	37.3				AH	AA 0.05
2010-02-25	48	38.3				AH	AA 0.05
2010-02-26	49	38.9	8.43			AH	AA 0.05
2010-02-27	48	37.9				AH	0.05
2010-02-28	48	37.6				AH	AA 0.05
Minimum	43.0	35.4	8.24	0.0	0.0		0.0
Maximum	51.0	58.4	8.49	0.0	0.0		0.05
Average	46.46429	48.46071		0	0		0.00179
Count	28	28	8	1	1		28

Name of Responsible Official or Authorized Representative

VP Nuclear

I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature of Responsible Official or Authorized Representative



Submission Date/Time

3-15-10
12:21

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

STATUS:

Draft

FACILITY:

FirstEnergy Nuclear Gen Corp - Perry Plant

PERMIT NUMBER:

31B00016*ID

LOCATION:

10 Center Rd

STATION CODE:

004

North Perry, OH 44081

MONITORING PERIOD :

2010-02-01 To: 2010-02-28

COUNTY:

Lake

REPORTING LAB:

CCB125

DISTRICT:

NEDO

ANALYST:

Randall Killing

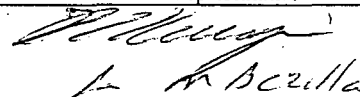
NO DISCHARGE INDICATOR:

PARAMETER	Chlorination/Bromination Duration					
PARAMETER CODE	78739					
UNITS	Minutes					
FREQUENCY	When Disch.					
SAMPLING TYPE	Total					
2010-02-01	94					
2010-02-02	107					
2010-02-03	102					
2010-02-04	30					
2010-02-05	100					
2010-02-06	100					
2010-02-07	100					
2010-02-08	50					
2010-02-09	100					
2010-02-10	80					
2010-02-11	54					
2010-02-12	100					
2010-02-13	105					
2010-02-14	100					
2010-02-15	100					
2010-02-16	102					
2010-02-17	100					
2010-02-18	100					
2010-02-19	100					
2010-02-20	100					
2010-02-21	100					
2010-02-22	100					
2010-02-23	100					
2010-02-24	100					
2010-02-25	100					
2010-02-26	50					
2010-02-27	100					
2010-02-28	100					
Minimum	30.0					
Maximum	107.0					
Average	91.92857					
Count	28					

Name of Responsible Official
or Authorized Representative

VP Nuclear

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Signature of Responsible Official or Authorized
Representative

Submission
Date/Time3-15-10
12:21

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

STATUS:

Draft

FACILITY:

FirstEnergy Nuclear Gen Corp. - Perry Plant

PERMIT NUMBER:

31B00016*ID

LOCATION:

10 Center Rd

STATION CODE:

094

COUNTY:

North Perry, OH 44081

MONITORING PERIOD :

2010-02-01 To: 2010-02-28

DISTRICT:

Lake

REPORTING LAB:

ANALYST:

NO DISCHARGE INDICATOR: AL

PARAMETER	Water Temperature	Flow Rate	pH	Zinc, Total Recoverable	Copper, Total Recoverable	Oxidants, Total Residual	Chlorine, Total Residual
PARAMETER CODE	00011	50050	00400	01094	01119	34044	50060
UNITS	F	MGD	S.U.	ug/l	ug/l	mg/l	mg/l
FREQUENCY	1/Day	1/Day	2/Week	1/Month	1/Month	When Disch.	When Disch.
SAMPLING TYPE	Continuous	Continuous	Grab	Grab	Grab	Grab	Grab
2010-02-01							
2010-02-02							
2010-02-03							
2010-02-04							
2010-02-05							
2010-02-06							
2010-02-07							
2010-02-08							
2010-02-09							
2010-02-10							
2010-02-11							
2010-02-12							
2010-02-13							
2010-02-14							
2010-02-15							
2010-02-16							
2010-02-17							
2010-02-18							
2010-02-19							
2010-02-20							
2010-02-21							
2010-02-22							
2010-02-23							
2010-02-24							
2010-02-25							
2010-02-26							
2010-02-27							
2010-02-28							
Minimum							
Maximum							
Average							
Count							

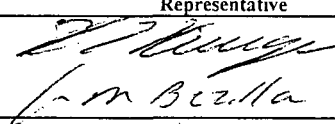
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Draft

FACILITY:

FirstEnergy Nuclear Gen Corp - Perry Plant

PERMIT NUMBER:

3IB00016*ID

LOCATION:

10 Center Rd

STATION CODE:

094

COUNTY:

Lake

MONITORING PERIOD :

2010-02-01 To: 2010-02-28

DISTRICT:

NEDO

REPORTING LAB:

ANALYST:

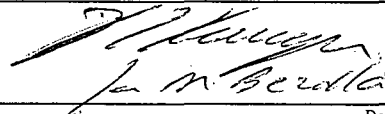
NO DISCHARGE INDICATOR: AL

PARAMETER	Chlorination/Bromination Duration						
PARAMETER CODE	78739						
UNITS	Minutes						
FREQUENCY	When Disch.						
SAMPLING TYPE	Total						
2010-02-01							
2010-02-02							
2010-02-03							
2010-02-04							
2010-02-05							
2010-02-06							
2010-02-07							
2010-02-08							
2010-02-09							
2010-02-10							
2010-02-11							
2010-02-12							
2010-02-13							
2010-02-14							
2010-02-15							
2010-02-16							
2010-02-17							
2010-02-18							
2010-02-19							
2010-02-20							
2010-02-21							
2010-02-22							
2010-02-23							
2010-02-24							
2010-02-25							
2010-02-26							
2010-02-27							
2010-02-28							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official
or Authorized Representative

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Signature of Responsible Official or Authorized
Representative

Submission
Date/Time3-15-10
12:21

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

FACILITY:

LOCATION:

COUNTY:

DISTRICT:

FirstEnergy Nuclear Gen Corp - Perry Plant
 10 Center Rd
 North Perry, OH 44081
 Lake
 NEDO

STATUS:

PERMIT NUMBER:

STATION CODE:

MONITORING PERIOD :

REPORTING LAB:

ANALYST:

NO DISCHARGE INDICATOR: AL

Draft

31B00016*ID

601

2010-02-01 To: 2010-02-28

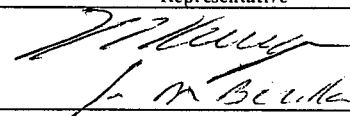
PARAMETER	Flow Rate	pH	Total Suspended Solids	Oil and Grease, Total			
PARAMETER CODE	50050	00400	00530	00550			
UNITS	MGD	S.U.	mg/l	mg/l			
FREQUENCY	Continuous	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks			
SAMPLING TYPE	24hr Total	Grab	Grab	Grab			
2010-02-01							
2010-02-02							
2010-02-03							
2010-02-04							
2010-02-05							
2010-02-06							
2010-02-07							
2010-02-08							
2010-02-09							
2010-02-10							
2010-02-11							
2010-02-12							
2010-02-13							
2010-02-14							
2010-02-15							
2010-02-16							
2010-02-17							
2010-02-18							
2010-02-19							
2010-02-20							
2010-02-21							
2010-02-22							
2010-02-23							
2010-02-24							
2010-02-25							
2010-02-26							
2010-02-27							
2010-02-28							
Minimum							
Maximum							
Average							
Count							

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3-15-10
12:21

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

FACILITY:

LOCATION:

COUNTY:

DISTRICT:

FirstEnergy Nuclear Gen Corp - Perry Plant
10 Center Rd
North Perry, OH 44081
Lake
NEDO

STATUS:

PERMIT NUMBER:

STATION CODE:

MONITORING PERIOD :

REPORTING LAB:

ANALYST:

NO DISCHARGE INDICATOR: AL

Draft

31B00016*ID

602

2010-02-01 To: 2010-02-28

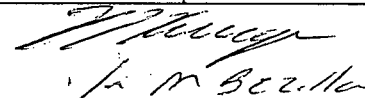
PARAMETER	Flow Rate	pH	Total Suspended Solids	Oil and Grease, Total	Iron, Total Recoverable	Copper, Total Recoverable	
PARAMETER CODE	50050	00400	00530	00550	00980	01119	
UNITS	MGD	S.U.	mg/l	mg/l	ug/l	ug/l	
FREQUENCY	Continuous	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	
SAMPLING TYPE	24hr Total	Grab	24hr Composite	Grab	24hr Composite	24hr Composite	
2010-02-01							
2010-02-02							
2010-02-03							
2010-02-04							
2010-02-05							
2010-02-06							
2010-02-07							
2010-02-08							
2010-02-09							
2010-02-10							
2010-02-11							
2010-02-12							
2010-02-13							
2010-02-14							
2010-02-15							
2010-02-16							
2010-02-17							
2010-02-18							
2010-02-19							
2010-02-20							
2010-02-21							
2010-02-22							
2010-02-23							
2010-02-24							
2010-02-25							
2010-02-26							
2010-02-27							
2010-02-28							
Minimum							
Maximum							
Average							
Count							

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Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

FACILITY:

LOCATION:

COUNTY:

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FirstEnergy Nuclear Gen Corp - Perry Plant
10 Center Rd
North Perry, OH 44081
Lake
NEDO

STATUS:

PERMIT NUMBER:

STATION CODE:

MONITORING PERIOD :

REPORTING LAB:

ANALYST:

NO DISCHARGE INDICATOR:

Draft

3IB00016*ID

800

2010-02-01 To: 2010-02-28

CCB125

Randall Killing

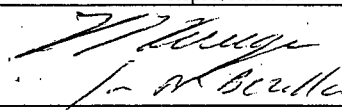
PARAMETER	Water Temperature	Zinc, Total Recoverable	Copper, Total Recoverable				
PARAMETER CODE	00011	01094	01119				
UNITS	F	ug/l	ug/l				
FREQUENCY	1/Day	1/Month	1/Month				
SAMPLING TYPE	Continuous	Grab	Grab				
2010-02-01	34						
2010-02-02	34	AA 6.0	AA 3.0				
2010-02-03	34						
2010-02-04	35						
2010-02-05	35						
2010-02-06	35						
2010-02-07	35						
2010-02-08	34						
2010-02-09	34						
2010-02-10	34						
2010-02-11	34						
2010-02-12	34						
2010-02-13	34						
2010-02-14	34						
2010-02-15	34						
2010-02-16	34						
2010-02-17	34						
2010-02-18	34						
2010-02-19	34						
2010-02-20	34						
2010-02-21	35						
2010-02-22	35						
2010-02-23	35						
2010-02-24	35						
2010-02-25	35						
2010-02-26	35						
2010-02-27	35						
2010-02-28	35						
Minimum	34.0	0.0	0.0				
Maximum	35.0	0.0	0.0				
Average	34.42857	0	0				
Count	28	1	1				

Name of Responsible Official or Authorized Representative

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Signature of Responsible Official or Authorized Representative



Submission Date/Time

3-15-10
12:21

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER: 31B00016*ID
 LOCATION: 10 Center Rd MONITORING PERIOD : 2010-02-01 To: 2010-02-28
 North Perry, OH 44081

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
004	Oxidants, Total Residual	34044	2010-02-01	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-02	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-03	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-04	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-05	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-06	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-07	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-08	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-09	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-10	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-11	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-12	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-13	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-14	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-15	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-16	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-17	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-18	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-19	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-20	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-21	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-22	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-23	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-24	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-25	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-26	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-27	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-02-28	mg/l	No bromination event this date