

Mark B. Bezilla  
Vice President

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

January 7, 2010  
PY-CEI/OEPA-0521L

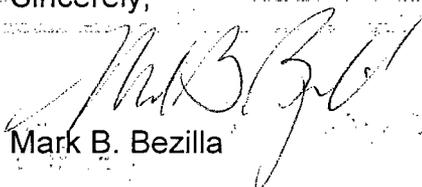
Ohio Environmental Protection Agency  
Division of Water Pollution Control  
Enforcement Section, ES/DMR  
P.O. Box 1049  
Columbus, Ohio 43216-1049

SUBJECT:  
Perry Nuclear Power Plant, December NPDES Discharge Monitoring Report

Enclosed are the Perry Nuclear Power Plant, NPDES monthly report forms for the month of December 2009. 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)

JE25  
MRR

# Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

STATUS:

Draft

FACILITY:  
LOCATION:

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

PERMIT NUMBER:

31B00016\*ID

STATION CODE:

004

MONITORING PERIOD :

2009-12-01 To: 2009-12-31

REPORTING LAB:

CCB125

COUNTY:

NEDO

ANALYST:

Randall Killing

DISTRICT:

NO DISCHARGE INDICATOR:

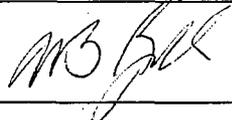
PARAMETER	Water Temperature	Flow Rate	pH	Zinc, Total Recoverable	Copper, Total Recoverable	Oxidants, Total Residual	Chlorine, Total Residual
PARAMETER CODE	00011	50050	00400	01094	01119	34044	50060
UNITS	F	MGD	S.U.	ug/l	ug/l	mg/l	mg/l
FREQUENCY	1/Day	1/Day	2/Week	1/Month	1/Month	When Disch.	When Disch.
SAMPLING TYPE	Continuous	Continuous	Grab	Grab	Grab	Grab	Grab
2009-12-01	57	46.0	8.49			AH	AA 0.05
2009-12-02	57	50.7				AH	AA 0.05
2009-12-03	56	50.6				AH	AA 0.05
2009-12-04	56	46.0	8.48			AH	AA 0.05
2009-12-05	56	45.9				AH	AA 0.05
2009-12-06	56	45.8				AH	AA 0.05
2009-12-07	54	44.7				AH	AA 0.05
2009-12-08	54	50.6	8.32	AA 6.0	AA 3.0	AH	0.05
2009-12-09	53	45.0				AH	AA 0.05
2009-12-10	53	50.6				AH	AA 0.05
2009-12-11	52	51.8	8.38			AH	AA 0.05
2009-12-12	51	44.3				AH	AA 0.05
2009-12-13	49	42.8				AH	AA 0.05
2009-12-14	49	44.2				AH	AA 0.05
2009-12-15	51	45.6	8.48			AH	AA 0.05
2009-12-16	48	45.6				AH	AA 0.05
2009-12-17	48	45.6				AH	AA 0.05
2009-12-18	48	45.6	7.9			AH	AA 0.05
2009-12-19	48	45.6				AH	AA 0.05
2009-12-20	48	45.6				AH	AA 0.05
2009-12-21	47	45.6				AH	AA 0.05
2009-12-22	48	45.9	8.49			AH	AA 0.05
2009-12-23	47	45.3				AH	AA 0.05
2009-12-24	46	44.4				AH	AA 0.05
2009-12-25	47	43.2	8.28			AH	AA 0.05
2009-12-26	48	42.0				AH	AA 0.05
2009-12-27	48	42.8				AH	AA 0.05
2009-12-28	47	46.3				AH	AA 0.05
2009-12-29	47	46.8	8.23			AH	AA 0.05
2009-12-30	45	46.7				AH	AA 0.05
2009-12-31	47	42.7				AH	AA 0.05
Minimum	45.0	42.0	7.9	0.0	0.0		0.0
Maximum	57.0	51.8	8.49	0.0	0.0		0.05
Average	50.35484	45.94516		0	0		0.00161
Count	31	31	9	1	1		31

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

1/6/10 4:51

# 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

**2009-12-01 To: 2009-12-31**

CCB125

Randall Killing

PARAMETER	Chlorination/Bromination Duration					
PARAMETER CODE	78739					
UNITS	Minutes					
FREQUENCY	When Disch.					
SAMPLING TYPE	Total					
2009-12-01	100					
2009-12-02	100					
2009-12-03	100					
2009-12-04	100					
2009-12-05	100					
2009-12-06	30					
2009-12-07	45					
2009-12-08	100					
2009-12-09	100					
2009-12-10	100					
2009-12-11	101					
2009-12-12	100					
2009-12-13	100					
2009-12-14	100					
2009-12-15	100					
2009-12-16	100					
2009-12-17	100					
2009-12-18	100					
2009-12-19	100					
2009-12-20	100					
2009-12-21	104					
2009-12-22	100					
2009-12-23	100					
2009-12-24	103					
2009-12-25	100					
2009-12-26	100					
2009-12-27	100					
2009-12-28	100					
2009-12-29	100					
2009-12-30	105					
2009-12-31	100					
Minimum	30.0					
Maximum	105.0					
Average	96.3871					
Count	31					

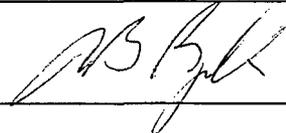
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Submission Date/Time

VP Nuclear



12/31/09 14:51

**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  
North Perry, OH 44081

STATION CODE:

094

COUNTY:

Lake

MONITORING PERIOD :

2009-12-01 To: 2009-12-31

DISTRICT:

NEDO

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
2009-12-01							
2009-12-02							
2009-12-03							
2009-12-04							
2009-12-05							
2009-12-06							
2009-12-07							
2009-12-08							
2009-12-09							
2009-12-10							
2009-12-11							
2009-12-12							
2009-12-13							
2009-12-14							
2009-12-15							
2009-12-16							
2009-12-17							
2009-12-18							
2009-12-19							
2009-12-20							
2009-12-21							
2009-12-22							
2009-12-23							
2009-12-24							
2009-12-25							
2009-12-26							
2009-12-27							
2009-12-28							
2009-12-29							
2009-12-30							
2009-12-31							
Minimum							
Maximum							
Average							
Count							

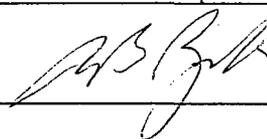
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Submission Date/Time

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11/6/10 14:51

# Ohio EPA - Daily Discharge Monitoring Report - Form 4500

**SUBMISSION ID:**

**STATUS:**

Draft

**FACILITY:**  
**LOCATION:**

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

**PERMIT NUMBER:**

3IB00016\*ID

**STATION CODE:**

094

**MONITORING PERIOD:**

2009-12-01 To: 2009-12-31

**REPORTING LAB:**

**ANALYST:**

NO DISCHARGE INDICATOR: AL

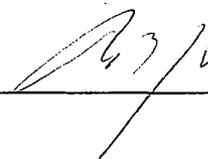
PARAMETER	Chlorination/Bromination Duration					
PARAMETER CODE	78739					
UNITS	Minutes					
FREQUENCY	When Disch.					
SAMPLING TYPE	Total					
2009-12-01						
2009-12-02						
2009-12-03						
2009-12-04						
2009-12-05						
2009-12-06						
2009-12-07						
2009-12-08						
2009-12-09						
2009-12-10						
2009-12-11						
2009-12-12						
2009-12-13						
2009-12-14						
2009-12-15						
2009-12-16						
2009-12-17						
2009-12-18						
2009-12-19						
2009-12-20						
2009-12-21						
2009-12-22						
2009-12-23						
2009-12-24						
2009-12-25						
2009-12-26						
2009-12-27						
2009-12-28						
2009-12-29						
2009-12-30						
2009-12-31						
Minimum						
Maximum						
Average						
Count						

Name of Responsible Official  
or Authorized Representative

VP Nuclear

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Submission Date/Time

11/6/10

# 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  
North Perry, OH 44081

**STATION CODE:**

601

**COUNTY:**

Lake

**MONITORING PERIOD :**

2009-12-01 To: 2009-12-31

**DISTRICT:**

NEDO

**REPORTING LAB:**

**ANALYST:**

**NO DISCHARGE INDICATOR:** AL

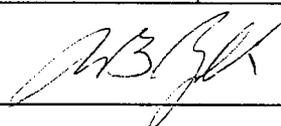
PARAMETER	Flow Rate	pH	Total Suspended Solids	Oil and Grease, Total		
<b>PARAMETER CODE</b>	50050	00400	00530	00550		
<b>UNITS</b>	MGD	S.U.	mg/l	mg/l		
<b>FREQUENCY</b>	Continuous	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks		
<b>SAMPLING TYPE</b>	24hr Total	Grab	Grab	Grab		
2009-12-01						
2009-12-02						
2009-12-03						
2009-12-04						
2009-12-05						
2009-12-06						
2009-12-07						
2009-12-08						
2009-12-09						
2009-12-10						
2009-12-11						
2009-12-12						
2009-12-13						
2009-12-14						
2009-12-15						
2009-12-16						
2009-12-17						
2009-12-18						
2009-12-19						
2009-12-20						
2009-12-21						
2009-12-22						
2009-12-23						
2009-12-24						
2009-12-25						
2009-12-26						
2009-12-27						
2009-12-28						
2009-12-29						
2009-12-30						
2009-12-31						
<b>Minimum</b>						
<b>Maximum</b>						
<b>Average</b>						
<b>Count</b>						

Name of Responsible Official or Authorized Representative

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Signature of Responsible Official or Authorized Representative



Submission Date/Time

12/31/09 14:51

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

**SUBMISSION ID:**

**STATUS:**

Draft

**FACILITY:**

FirstEnergy Nuclear Gen Corp - Perry Plant

**PERMIT NUMBER:**

3IB00016\*ID

**LOCATION:**

10 Center Rd  
North Perry, OH 44081

**STATION CODE:**

602

**COUNTY:**

Lake

**MONITORING PERIOD :**

2009-12-01 To: 2009-12-31

**DISTRICT:**

NEDO

**REPORTING LAB:**

**ANALYST:**  
NO DISCHARGE INDICATOR: AL

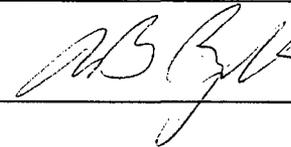
PARAMETER	Flow Rate	pH	Total Suspended Solids	Oil and Grease, Total	Iron, Total Recoverable	Copper, Total Recoverable	
PARAMETER CODE	50050	00400	00530	00550	00980	01119	
UNITS	MGD	S.U.	mg/l	mg/l	ug/l	ug/l	
FREQUENCY	Continuous	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	1 / 2 Weeks	
SAMPLING TYPE	24hr Total	Grab	24hr Composite	Grab	24hr Composite	24hr Composite	
2009-12-01							
2009-12-02							
2009-12-03							
2009-12-04							
2009-12-05							
2009-12-06							
2009-12-07							
2009-12-08							
2009-12-09							
2009-12-10							
2009-12-11							
2009-12-12							
2009-12-13							
2009-12-14							
2009-12-15							
2009-12-16							
2009-12-17							
2009-12-18							
2009-12-19							
2009-12-20							
2009-12-21							
2009-12-22							
2009-12-23							
2009-12-24							
2009-12-25							
2009-12-26							
2009-12-27							
2009-12-28							
2009-12-29							
2009-12-30							
2009-12-31							
Minimum							
Maximum							
Average							
Count							

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11/10 14:51

**Ohio EPA - Daily Discharge Monitoring Report - Form 4500**

**SUBMISSION ID:**

**STATUS:**

Draft

**FACILITY:**

FirstEnergy Nuclear Gen Corp - Perry Plant

**PERMIT NUMBER:**

3IB00016\*ID

**LOCATION:**

10 Center Rd  
North Perry, OH 44081

**STATION CODE:**

800

**COUNTY:**

Lake

**MONITORING PERIOD :**

2009-12-01 To: 2009-12-31

**DISTRICT:**

NEDO

**REPORTING LAB:**

CCB125

**ANALYST:**

Randall Killing

**NO DISCHARGE INDICATOR:**

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			
2009-12-01	48					
2009-12-02	48					
2009-12-03	48					
2009-12-04	47					
2009-12-05	46					
2009-12-06	45					
2009-12-07	44					
2009-12-08	43	AA 6.0	AA 3.0			
2009-12-09	42					
2009-12-10	43					
2009-12-11	40					
2009-12-12	38					
2009-12-13	38					
2009-12-14	39					
2009-12-15	40					
2009-12-16	40					
2009-12-17	39					
2009-12-18	38					
2009-12-19	38					
2009-12-20	38					
2009-12-21	37					
2009-12-22	37					
2009-12-23	37					
2009-12-24	36					
2009-12-25	36					
2009-12-26	36					
2009-12-27	36					
2009-12-28	36					
2009-12-29	35					
2009-12-30	35					
2009-12-31	35					
Minimum	35.0	0.0	0.0			
Maximum	48.0	0.0	0.0			
Average	39.93548	0	0			
Count	31	1	1			

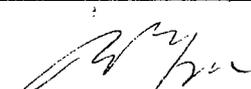
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Submission Date/Time

VP Nuclear



14:51  
11/6/10

## 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: 2009-12-01 To: 2009-12-31  
 North Perry, OH 44081

## PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
004	Oxidants, Total Residual	34044	2009-12-01	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-02	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-03	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-04	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-05	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-06	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-07	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-08	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-09	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-10	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-11	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-12	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-13	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-14	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-15	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-16	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-17	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-18	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-19	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-20	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-21	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-22	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-23	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-24	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-25	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-26	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-27	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-28	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-29	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-30	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2009-12-31	mg/l	No bromination event this date