

FirstEnergy Nuclear Operating Company

Mark B. Bezilla Vice President

June 10, 2010 L-10-180

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, May NPDES Discharge Monitoring Report

Enclosed are the Perry Nuclear Power Plant, NPDES monthly report forms for the month of May 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

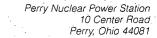
B Station Code 094 Report

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)



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

	Ohio EPA -	Daily Discharg	e Monitoring R	lepőrt - Form	4500		
SUBMISSION ID:			STATUS:	Dr	aft		
FACILITY:	FirstEnergy Nuclear	Gen Corp - Perry Plan	t PERMIT NUMBER		B00016*ID		
LOCATION:	10 Center Rd		STATION CODE:				
COUNTRY	North Perry, OH 440	081	MONITORING PE		<u>10-05-01</u> To: <u>2010-05-31</u>	• •	
COUNTY: DISTRICT:	Lake NEDO		REPORTING LAB ANALYST:	·	B125 ndall Killing		
		· · · · · · · · · · · · · · · · · · ·	NO DISCHARGE I				
PARAMETER	Water Temperature	Flow Rate	pН	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 SAMPLING TYPE	1/Day Continuous	l/Day Continuous	2/Week Grab	l/Month Grab	1/Month	When Disch.	When Disch.
2010-05-01	68	49.2	Grab	Grao	Grab	Grab AH	Grab AA 0.05
2010-05-02	67	60.0				AH	AA 0.05
2010-05-03	68	55.4		••		AH	AA 0.05
2010-05-04	68	60.1	8.68	AA 1.2	- 5.95	AH	0.06
2010-05-05	67	68.6	· ·	and and a second se		AH	AA 0.05
2010-05-06	67	. 73.6				AH	AA 0.05
2010-05-07	66	75.4	8.35			АН	AA 0.05
2010-05-08	67	61.5		· · ·		AH	AA 0.05
2010-05-09	66	54.9				АН	AA 0.05
2010-05-10	65	54.4 -				AH	AA 0.05
2010-05-11	64	75.4	• 8.55			AH	AA 0.05
2010-05-12	59	108.5				AH	AA 0.05
2010-05-13	60	105.9				AH	· AA 0.05
2010-05-14	61	102.1	7.97			AH	AA 0.05
2010-05-15	. 61	105.0		• . •		AH	AA 0.05
2010-05-16	61	99.6	1		1	AH	AA 0.05
2010-05-17	59	87.3				AH	AA 0.05
2010-05-18	· 59	94.8	8.12			AH	AÀ 0.05
2010-05-19	59 [.]	74.9				AH	AA 0.05
2010-05-20	• 64	62.4			-	AH	AA 0.05
2010-05-21	67	54.1	8.65			AH	AA 0.05

31 Count

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2010-05-22

2010-05-23

2010-05-24

2010-05-25

2010-05-26

2010-05-27

2010-05-28

2010-05-29

2010-05-30

2010-05-31

Minimum

Maximum

Average

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68

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73

76

59.0

76.0

66.3871

Name of Responsible Official or Authorized Representative VP, NUCLEGY 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 immediately responsible to obtaining the information of the penalty of the submitted penalties for submitting false information, including the possibility of fine and imprisonment.

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Signature of Responsible Official or Authorized Representative Muis Ba

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Submission

Date/Time 14:55

6/10/10

UBMISSION ID: ACILITY: OCATION:	FirstEnergy Nuclear Gei 10 Center Rd North Perry, OH 44081	1 Corp - Perry Plant P S M	TATION CODE: IONITORING PERI	(OD :	Draft 31B00016 004 2010-05-01 Te			
OUNTY: ISTRICT:	Lake NEDO	A	EPORTING LAB: NALYST: O DISCHARGE IN	• • •	CCB125 Randall Killin	g		
PARAMETER	Chlorination/Bromination							
PARAMETER CODE	Duration 78739						· · · · · · · · · · · · · · · · · · ·	
UNITS FREQUENCY	Minutes When Disch.				·			
SAMPLING TYPE	Total							
2010-05-01	100			•••		e e. 5		
2010-05-02	100			· · .				
2010-05-03	100						·. · ·	
2010-05-04	50					· · ·		
2010-05-05	100			• .				
2010-05-06	100		_	· · · ·		· · · .		
2010-05-07	106				· · · ·			
2010-05-08	100			-				
2010-05-09	109	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				·		
2010-05-10	100							· · · · · · · · · · · · · · · · · · ·
2010-05-11	100	1. j				·····		· · · · · · · · · · · · · · · · · · ·
2010-05-12	100							· .
2010-05-13	69		·			· · · · · · · · · · · · · · · · · · ·		
2010-05-14	82							
2010-05-15	70					<u> </u>		
2010-05-16	50	• ,				•		
2010-05-17	50	·						
·								
2010-05-18	72	•				·		·
2010-05-19	88							
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2010-05-21	100							
2010-05-22	100			·				
2010-05-23	100	·····						
2010-05-24	100	· · ·	· · · ·			· · ·		
2010-05-25	100				· · · ·			
2010-05-26	100					80 1917		
2010-05-27	100				4 A			
2010-05-28	100					1		
2010-05-29	100							
2010-05-30	50					·		
2010-05-31	50			a ta sa				
Minimum	50.0							
Maximum Average	109.0 88.74194			1 · · · · ·				
Count	31						1	
ame of Responsible Officia r Authorized Representativ		of law that I have pers	onally examined and an on my inquiry of those	n familiar	Signature	of Responsible Represen	Official or Authorized	Submissi Date/Tin

Page 2

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

STATUS:

SUBMISSION ID:

FACILITY: LOCATION:

COUNTY:

DISTRICT:

10 Center Rd North Perry, OH 44081 Lake NEDO

FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER: STATION CODE: MONITORING PERIOD : **REPORTING LAB:** ANALYST: NO DISCHARGE INDICATOR: AL

Draft 3IB00016*ID 094 2010-05-01 To: 2010-05-31

Page 3

Zinc, Total Copper, Total Oxidants, Total Chlorine, Total PARAMETER Water Temperature Flow Rate pН Recoverable Recoverable Residual 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 2/Week 1/Day 1/Month 1/Month When Disch. When Disch. SAMPLING TYPE Continuous Continuous Grab Grab Grab Grab Grab 2010-05-01 . 2010-05-02 2010-05-03 2010-05-04 2010-05-05 2010-05-06 2010-05-07 2010-05-08 2010-05-09 2010-05-10 2010-05-11 2010-05-12 2010-05-13 2010-05-14 2010-05-15 2010-05-16 2010-05-17 2010-05-18 2010-05-19 2010-05-20 2010-05-21 .e. 2010-05-22 2010-05-23 2010-05-24 2010-05-25 2010-05-26 2010-05-27 2010-05-28 . 2010-05-29 2010-05-30 2010-05-31 Minimum Maximum Average Count Name of Responsible Official I certify under the penalty of law that I have personally examined and am familiar or Authorized Representative with the information submitted herein and based on my inquiry of those individual Signature of Responsible Official or Authorized Submission Representative Date/Time with the information submitted herein and based on my inquiry of those individuals

VP, Nuclear

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.

	Onio EPA - D	ally Discharg	e Monitoring Re	eport - Fo	rm 4500			
SUBMISSION ID:			STATUS:		Draft			
FACILITY:	FirstEnergy Nuclear Gen	Corp - Perry Plan	t PERMIT NUMBER:	di sengiri	3IB000	16*ID		
LOCATION: COUNTY:	10 Center Rd North Perry, OH 44081 Lake		STATION CODE: MONITORING PER REPORTING LAB:	IOD :	094 <u>2010-05-0</u>	<u>1</u> To: <u>2010-05-31</u>	L	
DISTRICT:	NEDO		ANALYST: NO DISCHARGE IN	DICATOR:	AL	1		
PARAMETER	Chlorination/Bromination Duration			· 				
PARAMETER CODE	78739			·		· .		
UNITS	Minutes	· · · ·					1	

1.13

UNITS	Minutes	· · ·				and the first second second	
FREQUENCY	When Disch.	· ·					
SAMPLING TYPE	Total						
2010-05-01							
2010-05-02							· · · · · · · · · · · · · · · · · · ·
2010-05-03				· · · · · · · · · · · · · · · · · · ·	:		· · · · ·
2010-05-04					• •		
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2010-05-31							
'Minimum							
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Maximum Average							

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Page 4

VP, Nuclear

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.

SUBMISSION ID: FACILITY:	FirstEnergy Nuclear		ge Monitoring R STATUS: t PERMIT NUMBEF	Dra			
LOCATION: COUNTY:	10 Center Rd North Perry, OH 440 Lake)81	STATION CODE: MONITORING PE REPORTING LAB		<u>0-05-01</u> To: <u>2010-05-31</u>		· · · ·
DISTRICT:	NEDO		ANALYST: NO DISCHARGE I		· · · ·		
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			
2010-05-01			· · · ·				· ·

2010-05-06		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				•	
2010-05-07							~
2010-05-08							
2010-05-09							
2010-05-10							
2010-05-11							
2010-05-12		· ·			·		
2010-05-13 \		-					
2010-05-14				· ·			
2010-05-15					-		
2010-05-16			· ·				
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2010-05-21							
2010-05-22						1	
2010-05-23							
2010-05-24							
2010-05-25				1			
2010-05-26							
2010-05-27			• •				

Name of Responsible Official or Authorized Representative

2010-05-28 2010-05-29 2010-05-30 2010-05-31 Minimum Maximum Average Count

2010-05-02 2010-05-03 2010-05-04 2010-05-05

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. VP, Nuclear

Signature of Responsible Official or Authorized Representative

MAXS

Page 5

Submission Date/Time 14:55

6/10/10

Ohio EPA -	 Daily Disch 	arge Monito	oring Report	- Form	4500
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STATUS:

*SUBMISSION ID: FACILITY: LOCATION: COUNTY:

DISTRICT:

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

STATION CODE: MONITORING PERIOD : REPORTING LAB: ANALYST: NO DISCHARGE INDICATOR: AL

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Draft . 3IB00016*ID 602 2010-05-01 To: 2010-05-31

Signature of Responsible Official or Authorized

Representative

Submission

Date/Time 14:55

6/10/10

Page 6

Iron, Total Oil and Grease, Copper, Total Total Suspended PARAMETER Flow Rate pН Solids Recoverable Total Recoverable PARAMETER CODE 50050 00400 00530 00550 00980 01119 UNITS S.U. MGD mg/l mg/l ug/l ug/l FREQUENCY 1/2 Weeks 1/2 Weeks 1/2 Weeks 1/2 Weeks 1/2 Weeks Continuous SAMPLING TYPE 24hr Total Grab 24hr Composite Grab 24hr Composite 24hr Composite 2010-05-01 2010-05-02 2010-05-03 2010-05-04 2010-05-05 2010-05-06 2010-05-07 2010-05-08 2010-05-09 • \ 2010-05-10 2010-05-11 2010-05-12 2010-05-13 2010-05-14 2 2010-05-15 2010-05-16 2010-05-17 2010-05-18 2010-05-19 2010-05-20 2010-05-21 2010-05-22 2010-05-23 2010-05-24 2010-05-25 2010-05-26 2010-05-27 2010-05-28 2010-05-29 2010-05-30 2010-05-31 Minimum Maximum Average Count

Name of Responsible Official I certify under the penalty of law that I have personally examined and am familiar or Authorized Representative with the information submitted herein and based on my inquiry of those individuals

VP, Nuclear

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.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

10 Center Rd. North Perry, OH 44081 Lake NEDO

STATUS: FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER: STATION CODE: MONITORING PERIOD : REPORTING LAB: ANALYST: NO DISCHARGE INDICATOR:

Republic Sector Property and the sector of the

Draft 3IB00016*ID 800 <u>2010-05-01</u> To: <u>2010-05-31</u> CCB125 Randall Killing

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PARAMETER	Water Temperature	Recoverable	Copper, Total Recoverable		- Sec		· ·
ARAMETER CODE UNITS	00011 F	01094 ug/l	01119 ug/l	-		· ·	
FREQUENCY	r 1/Day	1/Month	1/Month				
SAMPLING TYPE	Continuous	Grab	Grab				
2010-05-01	54						
2010-05-02	55		•				
2010-05-03	57						
2010-05-04	58	AA 1.2	AA 2.5	•		16 a.e.	
2010-05-05	59						•
2010-05-06	60						· .
2010-05-07	59				•		:
2010-05-08	. 59				,		
2010-05-09	- 58 -	×				· .	
2010-05-10	_ 58					-	
2010-05-11	57						
2010-05-12	57					· ·	
2010-05-13	56						
2010-05-14	57				· .	-	
2010-05-15	58	,					
2010-05-16	58						
2010-05-17	56	· · ·	·			· · ·	
2010-05-18	55	×			× ×		
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2010-05-20	56						· · ·
2010-05-21	57 .					· · · · ·	· ·
2010-05-22	58						s. 1
2010-05-23	59					•	· · ·
2010-05-24	59						·······
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2010-05-26	55						
2010-05-27	· 57	· · · · · · · · · · · · · · · · · · ·		• •	· .		
2010-05-28	59	:			·	-	•
2010-05-29	59					· · · · · ·	
2010-05-30	60						, ·
2010-05-31	64						· · · · · · · · · · · · · · · · · · ·
Minimum	54.0	0.0	0.0				· · · · ·
Maximum	64.0	0.0	0.0			2	
Average Count	57.54839 31	0	0	· · · ·		· · ·	

information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and

VP. Nuclear

imprisonment.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500



PARAMETER COMMENTS:

FirstEnergy Nuclear Gen Corp - Perty PlantPERMIT NUMBER:10 Center RdMONITORING PERIOD : 10 Center Rd North Perry, OH 44081

*3IB00016*ID* 2010-05-01 To: 2010-05-31

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
004	Oxidants, Total Residual	34044	2010-05-01	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-02	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-03	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-04	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-05	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-06	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-07	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-08	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-09	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-10	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-11	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-12	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-13	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-14	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-15	mg/l	No bromination event this date
.004	Oxidants, Total Residual	34044	2010-05-16	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-17	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-18	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-19	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-20	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-21	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-22	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-23	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-24	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-25	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-26	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-27	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-28	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-29	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-30	mg/l	No bromination event this date
004	Oxidants, Total Residual	34044	2010-05-31	mg/l·	No bromination event this date