

FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant 10 Center Road Perry, Ohio 44081

Mark B. Bezilla Vice President

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

January 13, 2011 L-11-016

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 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)



SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

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

STATUS: STATION CODE: **MONITORING PERIOD : REPORTING LAB:** ANALYST: NO DISCHARGE INDICATOR:

Draft 3IB00016*ID 004 2010-12-01 To: 2010-12-31 CCB125 Randall Killing

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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 57	Continuous 51.7	Grab 8.2	Grab	Grab	Grab	Grab
2010-12-01			8.2	1	<u> </u>	AH	AA 0.05
2010-12-02	52	51.2	0.16			AH	AA 0.05
2010-12-03	53	54.4	8.15	<u> </u>	1	AH	AA 0.05
2010-12-04	49	53.0			L	AH	AA 0.05
- 2010-12-05	52	46.6		<u> </u>		AH	AA 0.05
2010-12-06	51	43.9		, , , , , , , , , , , , , , , , , , ,		AH	AA 0.05
2010-12-07	49	41.4	8.17		· · · ·	AH	AA 0.05
2010-12-08	51	42.9				AH	AA 0.05
2010-12-09	. 47	52.7				AH	AA 0.05
2010-12,10	46	54.3	8.2	·		AH	AA 0.05
2010-12-11	46	50.8				AH	AA 0.05
2010-12-12	48	44.1				AH	AA 0.05
2010-12-13	50	57.4	· · · · · · · · · · · · · · · · · · ·	1		, AH	AA 0.05
2010-12-14	47	57.2	8.08			AH	AA 0.05
2010-12-15	44	45.7	1		1	AH	AA 0.05
2010-12-16	44	72.2	 	31.7	10.1	AH	AA 0.05
2010-12-17	. 45	62.2	8.36			AH	AA 0.05
2010-12-18	45	42.7	·		<u> </u>	AH	AA 0.05
2010-12-19	44	42.2	· · · · ·	· ·	· · · · · · · · · · · · · · · · · · ·	AH	AA 0.05
2010-12-20	45	40.4			· ·	AH	AA 0.05
2010-12-21	45	40.0	8.31			AH	AA 0.05
2010-12-22	45	40.0	· · ·			AH	AA 0.05
2010-12-23	45	38.9				AH	AA 0.05
2010-12-24	45	38.7	8.31			AH	AA 0.05
2010-12-25	45	39.0			-	AH	AA 0.05
2010-12-26	45	41.6				AH	AA 0.05
2010-12-27	45	41.0				AH	AA 0.05
2010-12-28	45	40.4	8.44		<u> </u>	AH	AA 0.05
2010-12-29	45	39.8		<u> </u>			·····
2010-12-29	40	37.0		<u> </u>		AH	AA 0.05
	50		9.26	<u> </u>		AH	AA 0.05
2010-12-31	44.0	37.8	8.36 8.08	31.7	10.1	AH	AA 0.05
<u>Minimum</u> Maximum	57.0	72.2	8.44	31.7	10.1		0.0
Average	47.35484	46.49032		31.7	10.1		0
Count	31	31	10	1	1		31
Name of Responsible Officia r Authorized Representativ VPNuclear	ve with the information su immediately responsib information is true, acc	bmitted herein and ba e for obtaining the inf urate and complete. I	personally examined an sed on my inquiry of th ormation, I believe the am aware that there are	ose individuals submitted significant	Represe	Official or Authorized ntative	Submission Date/Time
vi ivullat	imprisonment.	g faise information, in	cluding the possibility c		Ju/n	Page 1	1/13/11

JUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

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

STATUS: STATION CODE: MONITORING PERIOD : **REPORTING LAB:** ANALYST: NO DISCHARGE INDICATOR: Draft 3IB00016*ID 004 2010-12-01 To: 2010-12-31 CCB125 Randall Killing

PARAMETER	Chlorination/Bromination Duration			· · ·				
PARAMETER CODE	78739							
UNITS	Minutes						· · · · · · · · · · · · · · · · · · ·	
FREQUENCY SAMPLING TYPE	When Disch. Total				<u></u>	·····		
2010-12-01	100	<u> </u>						
2010-12-01	100		l					
2010-12-02	100							
2010-12-03	100		· · · · · · · · · · · · · · · · · · ·					
	100		<u> </u>				<u></u>	
2010-12-05	100		· ·		······			
2010-12-06						· · · ·		
2010-12-07	100		l				· · · · · · · · · · · · · · · · · · ·	
2010-12-08	100							
2010-12-09	105							
2010-12-10	103							
2010-12-11	100		•					
2010-12-12	100							
2010-12-13	100							
2010-12-14	· 100							
2010-12-15	100					-		
2010-12-16	100				•			
2010-12-17	100							
2010-12-18	100							
2010-12-19	100		X					
2010-12-20	100		-					
2010-12-21	60							
2010-12-22	60	-						
2010-12-23	100							
2010-12-24	100							
2010-12-25	100							
2010-12-26	100							
2010-12-27	100							
2010-12-28	, 100							
2010-12-29	100						۲.	
2010-12-30	. 100							
2010-12-31	100						-	
Minimum	60.0							
Maximum	105.0							
Average	97.70968							
Count Name of Responsible Officia	31		L		ature of Bernarditie		Submission	
Name of Responsible Official or Authorized Representative 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 Signature of Responsible Official or Authorized Representative Submission Date/Time								
VP Nuclear	immediately responsible f information is true, accura penalties for submitting fa imprisonment.	for obtaining the inform ate and complete. I am	nation, I believe the sub aware that there are sig	mitted nificant	1~		10:30 1/13/11	
						Det = 2		

SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER: 10 Center Rd STATION CODE: North Perry, OH 44081 MONITORING PER Lake REPORTING LAB: NEDO ANALYST: NO DISCUMPEED

STATUS:Draat PERMIT NUMBER:31/2STATION CODE:094MONITORING PERIOD :201REPORTING LAB:400ANALYST:NO DISCHARGE INDICATOR:ALAL

Draft **3IB00016*ID** 094 **2010-12-01** To: 2010-12-31

Zinc, Total Copper, Total Oxidants, Total Chlorine, Total PARAMETER Flow Rate Water Temperature pН Recoverable Recoverable Residual Residual 00400 PARAMETER CODE 00011 50050 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 Grab Continuous Continuous Grab Grab Grab Grab 2010-12-01 2010-12-02 2010-12-03 -2010-12-04 2010-12-05 2010-12-06 2010-12-07 2010-12-08 2010-12-09 2010-12-10 2010-12-11 2010-12-12 2010-12-13 2010-12-14 2010-12-15 2010-12-16 2010-12-17 2010-12-18 2010-12-19 2010-12-20 2010-12-21 2010-12-22 2010-12-23 2010-12-24 2010-12-25 2010-12-26 2010-12-27 2010-12-28 2010-12-29 2010-12-30 2010-12-31 Minimum Maximum Average Count Name of Responsible Official I certify under the penalty of law that I have personally examined and am familiar Signature of Responsible Official or Authorized Submission or Authorized Representative Representative Date/Time with the information submitted herein and based on my inquiry of those individual immediately responsible for obtaining the information, I believe the submitted 10:30 information is true, accurate and complete. I am aware that there are significant VP Nuclear penalties for submitting false information, including the possibility of fine and imprisonment.

SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

 FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER:

 10 Center Rd
 STATION CODE:

 North Perry, OH 44081
 MONITORING PERI

 Lake
 REPORTING LAB:

 NEDO
 ANALYST:

 NO DISCHARGE INIT

Draft **3IB00016*ID** 094 <u>2010-12-01</u> To: <u>2010-12-31</u>

PARAMETER	Chlorination/Bromination						······································
PARAMETER CODE	Duration 78739				·		, <u>, , , , , , , , , , , , , , , , , , </u>
UNITS	Minutes						
FREQUENCY	When Disch.						
SAMPLING TYPE 2010-12-01	Total						
2010-12-01	· · · ·						
			· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	
2010-12-03							
2010-12-04				· · · · · · · · · · · · · · · · · · ·			<u> </u>
2010-12-05			· · · · · · · · · · · ·		i <u> </u>		······
2010-12-06			· · · · ·		·		
2010-12-07							
2010-12-08				·····			<u> </u>
2010-12-09			··•···				
2010-12-10				· · · · ·			
2010-12-11				· · · · · · · · · · · · · · · · · · ·			
2010-12-12							
2010-12-13							
2010-12-14							
2010-12-15						·	
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2010-12-17							· · · · ·
2010-12-18							
2010-12-19	·						
2010-12-20							
2010-12-21						\	
2010-12-22							
2010-12-23			•				
2010-12-24							
2010-12-25							
2010-12-26							
2010-12-27							·····
2010-12-28							
2010-12-29							
2010-12-30							
2010-12-31							
Minimum							
Maximum Average			·				
Count							
Name of Responsible Official		of law that I have pers	onally examined and ar		ature of Responsible	Official or Authorized	Submission
or Authorized Representative	with the information subm immediately responsible f information is true, accura	nitted herein and based or obtaining the inform ite and complete. I am a	on my inquiry of those ation, I believe the sub aware that there are sign	individuals mitted nificant	Represen		Date/Time
VI INVERCUT	penalties for submitting fa imprisonment.	use information, includ	ing the possibility of fi	ne and	mp-	Page 4	/15/U

SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

FirstEnergy Nuclear Gen Corp - Perry Plant PERMIT NUMBER: 10 Center Rd North Perry, OH 44081 2 Lake NEDO

imprisonment.

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

Draft 3IB00016*ID 601 2010-12-01 To: 2010-12-31

Total Suspended Oil and Grease, PARAMETER Flow Rate pН Solids Total PARAMETER CODE 50050 00400 00530 00550 UNITS MGD S.U. mg/l mg/l FREQUENCY 1/2 Weeks 1/2 Weeks 1/2 Weeks Continuous SAMPLING TYPE 24hr Total Grab Grab Grab 2010-12-01 2010-12-02 2010-12-03 2010-12-04 . 2010-12-05 2010-12-06 . 2010-12-07 2010-12-08 2010-12-09 2010-12-10 2010-12-11 2010-12-12 2010-12-13 2010-12-14 2010-12-15 2010-12-16 2010-12-17 2010-12-18 2010-12-19 2010-12-20 2010-12-21 2010-12-22 2010-12-23 2010-12-24 2010-12-25 2010-12-26 2010-12-27 2010-12-28 2010-12-29 2010-12-30 2010-12-31 Minimum Maximum Average Count Name of Responsible Official I certify under the penalty of law that I have personally examined and am familiar Signature of Responsible Official or Authorized Submission or Authorized Representative with the information submitted herein and based on my inquiry of those individuals Representative Date/Time immediately responsible for obtaining the information, I believe the submitted 10:30 information is true, accurate and complete. I am aware that there are significant VPNuclear penalties for submitting false information, including the possibility of fine and 1/13/

SUBMISSION ID: FACILITY: LOCATION:

FACILITY: FirstEnergy Nuclear Ge LOCATION: 10 Center Rd North Perry, OH 44081 COUNTY: Lake DISTRICT: NEDO

 STATUS:
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 FirstEnergy Nuclear Gen Corp - Perry Plant
 PERMIT NUMBER:
 JL

 10 Center Rd
 STATION CODE:
 602

 North Perry, OH 44081
 MONITORING PERIOD:
 201

 Lake
 REPORTING LAB:

 NEDO
 ANALYST:

 NO DISCHARGE INDICATOR:
 AL

Draft **3IB00016*ID** 602 <u>2010-12-01</u> To: <u>2010-12-31</u>

Total Suspended Oil and Grease, Iron, Total Copper, Total PARAMETER Flow Rate pН Solids Total Recoverable Recoverable PARAMETER CODE 50050 00400 00530 00550 00980 01119 MGD S.U. UNITS mg/l mg/l ug/l ug/l 1/2 Weeks FREQUENCY 1/2 Weeks 1/2 Weeks 1/2 Weeks Continuous 1/2 Weeks SAMPLING TYPE 24hr Total Grab 24hr Composite Grab 24hr Composite 24hr Composite 2010-12-01 2010-12-02 2010-12-03 2010-12-04 2010-12-05 2010-12-06 2010-12-07 2010-12-08 2010-12-09 2010-12-10 2010-12-11 2010-12-12 2010-12-13 2010-12-14 2010-12-15 2010-12-16 2010-12-17 2010-12-18 2010-12-19 2010-12-20 2010-12-21 2010-12-22 2010-12-23 2010-12-24 2010-12-25 2010-12-26 2010-12-27 2010-12-28 2010-12-29 2010-12-30 2010-12-31 Minimum Maximum Average Count Name of Responsible Official I certify under the penalty of law that I have personally examined and am familiar Signature of Responsible Official or Authorized Submission or Authorized Representative Representative Date/Time with the information submitted herein and based on my inquiry of those individuals

VPNULEW 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.

10:30

SUBMISSION ID: FACILITY: LOCATION:

COUNTY:

DISTRICT:

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

STATUS: STATION CODE: **MONITORING PERIOD : REPORTING LAB:** ANALYST: NO DISCHARGE INDICATOR:

Draft 3IB00016*ID 800 2010-12-01 To: 2010-12-31 CCB125 Randall Killing

PARAMETER	Water Temperature	Zinc, Total Recoverable	Copper, Total Recoverable	·				
PARAMETER CODE	00011	01094	01119					·····
UNITS	F	ug/l	ug/l					
FREQUENCY SAMPLING TYPE	1/Day Continuous	1/Month Grab	1/Month Grab	<u> </u>				
2010-12-01	46	Giab	- Giao	<u> </u>			<u> </u>	
2010-12-02	43	······································		-			· · · ·	
2010-12-03	43							
2010-12-04	41					· · · · ·		
2010-12-05	41 .						• •	
2010-12-06	39	•			·			
2010-12-07	39	· · ·		1				
2010-12-08	39			1				
2010-12-09	37							
2010-12-10	37		1					
2010-12-11	36		,					
2010-12-12	. 37	··					·	• • • • • • • • • • • • • • • • • • •
2010-12-13	37							-
2010-12-14	36							
2010-12-15	34			1				
2010-12-16	33	21.9	5.48					
2010-12-17	34 .							
2010-12-18	33 -			· · ·				
2010-12-19	33 _							,
2010-12-20	33					· · ·		
2010-12-21	33							· · · · ·
2010-12-22	34							
2010-12-23	33	- //					÷	
2010-12-24	33							
2010-12-25	34							
2010-12-26	33							
2010-12-27	33						-	
2010-12-28	33							
2010-12-29	33							
2010-12-30	33							
2010-12-31	34					·		
Minimum	33.0	21.9	5.48					
<u>Maximum</u> Average	46.0 36.03226	<u>21.9</u> 21.9	5.48 5.48	<u> </u>				
Count	31	1	1					
Name of Responsible Official or Authorized Representative 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 0:30 //3///	
	imprisonment.	· · · · · · · · · · · · · · · · · · ·					Page 7	(113//(

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FACILITY: LOCATION:

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

MONITORING PERIOD : <u>2010-12-01</u> To: <u>2010-12-31</u>

3IB00016*ID

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