

Byron Environmental Audit – Request for Additional Information Response

Question #: HH-1

Category: Human Health

Statement of Question:

Provide NPDES monthly discharge monitoring reports for the past five years.

Response:

The NPDES monthly discharge monitoring reports for all months of years 2008 through 2012 and January through July 2013 are provided.

List Attachments Provided:

1. NPDES monthly discharge monitoring reports for January 1, 2013 through July 31, 2013.
2. NPDES monthly discharge monitoring reports for January 1, 2012 through December 31, 2012
3. NPDES monthly discharge monitoring reports for January 1, 2011 through December 31, 2011
4. NPDES monthly discharge monitoring reports for January 1, 2010 through December 31, 2010
5. NPDES monthly discharge monitoring reports for January 1, 2009 through December 31, 2009
6. NPDES monthly discharge monitoring reports for January 1, 2008 through December 31, 2008

Exelon Generation Company, LLC
Byron Station
1450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

February 19, 2010

LTR: BYRON 2010-0019
File: 2.09.0411
1.10.0101

**Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276**

Subject: Byron Station Monthly Discharge Monitoring Report

In accordance with National Pollutant Discharge Elimination System (NPDES) Permit Number IL0048313, issued September 8, 2000, we are submitting the Discharge Monitoring Report for Byron Station, Units 1 and 2. This report covers the period January 1, 2010 through January 31, 2010.

If there are any questions regarding this report, please contact Mr. Stanley Kerr, Chemistry Manager, at (815) 406-3200.

Respectfully,



**Bradley J. Adams
Plant Manager
Byron Nuclear Generating Station**

BJA/ZC/vib

Attachments

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

OCR0601

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60655

IL0046313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4460 North German Church Road
Byron, IL 61010

MONITORING PERIOD
From: YEAR MONTH DAY 1 0 0 1 0 1 To: YEAR MONTH DAY 1 0 0 1 3 1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
SOLIDS, TOTAL SUSPENDED 00630 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---	1.8	1.8	(19)	0	285	EC	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	16.0 30 DAY AVG	30.0 DAILY MAX	MGL		ONCE/MONTH	COMP-6	
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	8.1 30 DAY AVG	8.2 DAILY MAX	MGL		DAILY	GRAB	
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB	
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.4 30 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB	
IRON, TOTAL (AS FE) 01046 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB	
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MGL		DAILY	GRAB	
NICKEL, TOTAL (AS NI) 01057 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	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 815 408-3700		DATE 10 02 19				
Bradley J. Adams Plant Manager						SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Bradley J. Adams</i>		AREA CODE NUMBER		YEAR	MONTH	DAY
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 1. There was no discharge of processed steam generator chemical cleaning waste water during this month. 2. Flow existed 27 of 31 days during this month.												

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR

(SUBR 01)

F - FINAL

DEMINERALIZER REGENERATE (001A)

EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD											
YEAR			MONTH			DAY			YEAR		
From:	1	0	0	1	0	1	To:	1	0	0	1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(19)		500	
01082 1 0 0	PERMIT REQUIREMENT			LB/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.023	0.103	(03)	---	---	---	---	0	135	CN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	CORTIN
50050 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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.

Bradley J. Adams

SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE

815 408-3700

AREA
CODE

NUMBER

10

YEAR

02

MONTH

19

DAY

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

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60556

IL0048913
PERMIT NUMBER

B01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FBAL
STP EFFLUENT (FORMER 001B)
EFFLUENT

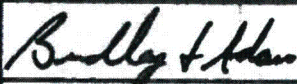
FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1 0 0 1	0 1	0 1	To: 1 0 0 1	3 1	3 1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD, 5-DAY (20 DEG. C) 00910 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.27	0.31	(28)	-----	3.4	3.7	(19)	0	280	DC	
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MGL		TWICE/MONTH	COMP24	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	---	7.42	-----	7.80	(12)	0	280	GR	
	PERMIT REQUIREMENT	-----	-----	---	6.8 MINIMUM	-----	9.0 MAXIMUM	8U		TWICE/MONTH	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.14	0.17	(28)	-----	1.7	2.2	(19)	0	280	DC	
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MGL		TWICE/MONTH	COMP24	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 60060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.008	0.010	(03)	-----	-----	-----	---	0	135	CN	
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	---		DAILY	CONTIN	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE 815 406-3700 AREA CODE NUMBER		DATE 10 02 19 YEAR MONTH DAY		
Bradley J. Adams												
Plant Manager												
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 1. Flow existed through this outfall 31 of 31 days during the month.												

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 601C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	1	0	1

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	3.1	4.6	(10)	0	240	DC
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MGL		WEEKLY	COMP24
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 20 DAY AVG	0.2 DAILY MAX	MGL		DAILY	GRAB
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 20 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB
IRON, TOTAL (AS FE) 01046 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 20 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MGL		DAILY	GRAB
NICKEL, TOTAL (AS NI) 01057 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---			(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 20 DAY AVG	2.0 DAILY MAX	MGL		DAILY	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 ensure 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		
Bradley J. Adams		815	406-3700	10	02	19
Plant Manager		AREA CODE	NUMBER	YEAR	MONTH	DAY

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

- There was no discharge of processed steam generator chemical cleaning waste water during this month.
- Flow existed through this outfall 16 of 31 days during the month.

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

OCR0601

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY
	1	0	0		1	0	0
	1	0	1		1	0	3

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN) 01002 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE 03502 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---	4.5	6.2	(19)	0	240	GR
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 60050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.024	0.047	(03)	---	---	---	---	0	135	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						615 406-3700		10	02	19	
Plant Manager						AREA CODE NUMBER		YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
1. Totalizer indicated flow without actual flow through system. Flow is estimated for 1/29/10 through 1/31/10 based on collection tank levels.											

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

D01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 0010)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

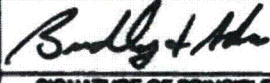
MONITORING PERIOD

From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY
	1	0	0	1	0	1	3

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(25)	---	< 0.5	< 0.5	(15)	0	240	CP
00530 1 0 0	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0	20.0	MGL		WEEKLY	COMPOS
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
OIL AND GREASE	SAMPLE MEASUREMENT	---	---	(25)	---	< 1.4	< 1.4	(15)	0	240	GR
03562 1 0 0	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0	20.0	MGL		WEEKLY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.024	(03)	---	---	---	---	0	135	CN
60060 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT	MGD	---	---	---	---		DAILY	CONTIN
EFFLUENT GROSS VALUE		30 DAY AVG	DAILY MAX								
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
Bradley J. Adams			815 406-3700	10	02	19
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH
TYPED OR PRINTED						

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

1. Flow existed through this outfall 5 of 31 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60556

IL0046313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1	0	0	To: 1	0	1

... NO DISCHARGE ☐ ...

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE						
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS									
PH	SAMPLE MEASUREMENT	---	---	---		---		(12)		500							
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	8.0 MINIMUM	---	8.0 MAXIMUM	SU		SEE PERMIT	GRAB						
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
00630 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB						
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB						
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB						
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB						
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
01046 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB						
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(28)	---	---	---	(18)		500							
01061 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	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 ensure 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 815 408-3700		DATE 10 02 19									
Bradley J. Adams Plant Manager						SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE 815		NUMBER 408-3700		YEAR 10		MONTH 02		DAY 19	
TYPED OR PRINTED																	

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. There was no discharge of processed steam generator chemical cleaning wastewater during the month.
3. Flow existed through this outfall 4 of 31 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60556

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010


MONITORING PERIOD

From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY
	1	0	0	1	0	0	1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	<1.4	<1.4	(10)	0	200	GRAB
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.036	0.117	(03)	---	---	---	---	0	200	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		TWICE/MONTH	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 ensure 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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
Bradley J. Adams			815 406-3700	10	02	19
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH

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

1 Flow is based on estimates using rainfall and pump run times for sampling events due to totalizer logging in January which obscured the reading on the totalizer.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60565

IL0040313
PERMIT NUMBER

001 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
COOLING SYSTEM BLOWDOWN
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

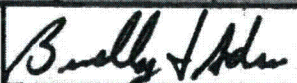
MONITORING PERIOD						
YEAR	MONTH	DAY	YEAR	MONTH	DAY	
1	0	0	1	0	1	3 1

From:

To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
PH					8.86		8.78	(12)	0	240	GR	
00400 1 0 0 EFFLUENT GROSS VALUE					8.0 MINIMUM		9.0 MAXIMUM	SU		WEEKLY	GRAB	
COPPER, TOTAL (AS CU)				(26)				(19)		500		
01042 1 0 0 EFFLUENT GROSS VALUE				LBS/DY			0.071 DAILY MAX	MGL		WEEKLY	GRAB	
ZINC, TOTAL (AS ZN)				(26)			0.036	(19)	0	240	GR	
01092 1 0 0 EFFLUENT GROSS VALUE				LBS/DY			1.0 DAILY MAX	MGL		WEEKLY	GRAB	
OXIDANTS, TOTAL RESIDUAL				(26)				(19)		500		
34044 1 0 0 EFFLUENT GROSS VALUE				LBS/DY			0.05 DAILY MAX	MGL		WEEKLY	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		20.43	27.43	(03)					0	135	CN	
60060 1 0 0 EFFLUENT GROSS VALUE		REPORT 30 DAY AVG	REPORT DAILY MAX	MGD						DAILY	CONTIN	
CHLORINE, TOTAL RESIDUAL				(26)		0.06	0.26	(19)	0	240	GR	
50060 1 0 0 EFFLUENT GROSS VALUE				LBS/DY		0.2 30 DAY AVG	0.6 DAILY MAX	MGL		WEEKLY	GRAB	
HYDRAZINE				(26)				(19)		500		
01313 1 0 0 EFFLUENT GROSS VALUE				LBS/DY			0.031 DAILY MAX	MGL		DAILY WHEN DISCHARGING	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
Bradley J. Adams								816	406-3700	10	02	19
Plant Manager								AREA CODE	NUMBER	YEAR	MONTH	DAY
TYPED OR PRINTED												

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

Per Special Condition 4C., the maximum allowable blowdown temperature calculation results are provided on the attachment

SEE ATTACHED

EPA Form 3320-1 (Rev 3/89)

SD

PAGE 1 OF 1

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0046513
PERMIT NUMBER

002 0
DISCHARGE NUMBER


MONITORING PERIOD

YEAR			MONTH			DAY							
From:	1	0	0	1	0	1	To:	1	0	0	1	3	1

MAJOR
(SUBR 01)
F - FINAL
STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE						
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS									
PH	SAMPLE MEASUREMENT	---	---	---	---	---	---	(12)									
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	0.0 MINIMUM	---	0.0 MAXIMUM	SU		SEE PERMIT	GRAB						
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MCL		SEE PERMIT	GRAB						
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MCL		DAILY	GRAB						
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MCL		DAILY	GRAB						
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MCL		DAILY	GRAB						
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
01046 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MCL		DAILY	GRAB						
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)									
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MCL		DAILY	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE 015 408-3700		DATE 10 02 10							
Bradley J. Adams Plant Manager								AREA CODE 015		NUMBER 408-3700		YEAR 10		MONTH 02		DAY 10	
TYPED OR PRINTED																	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month. 2. This discharge point was not used this month.																	

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)

F - FINAL

STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	1	0	1

From: To:

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS Ni) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS Zn) 01082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(20)	---	---	---	(10)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 60050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			(03)	---	---	---	---			
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		TWICE/MONTH	TOTALIZ.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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 knowledge 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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
Bradley J. Adams						615 406-3700		10	02	10	
Plant Manager						AREA CODE NUMBER		YEAR	MONTH	DAY	
TYPED OR PRINTED											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT
For Exelon Byron Station
Permit IL0048313
January 2010**

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
01/02/10	120	68.0
01/09/10	120	70.2
01/16/10	120	64.8
01/23/10	120	74.1
01/30/10	120	73.8

Note: Station procedures derive the *Calculated Maximum Allowable Blowdown Temperature* based on existing Rock River temperature and a calculated maximum river temperature increase. When the arithmetic sum of these values exceeds 120 degrees Fahrenheit, the *Calculated Maximum Allowable Temperature* limit defaults to 120 degrees Fahrenheit.

HYDRAZINE MONITORING:

There were no steam generator chemical cleaning solutions (or associated rinses) containing hydrazine discharged to the Cooling System Blowdown during the month of January 2010.

TOTAL QUANTITY DISCHARGED: N/A

TOTAL DURATION OF DISCHARGE: N/A

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT (Page 2)
For Exelon Byron Station
Permit IL0048313
January 2010**

COMMENTS:

1. **The weekly halogen concentration curves and daily halogen dosing time reports are attached.**
2. **Bromine was not used this month.**
3. **There was no discharge of steam generator chemical cleaning wastewater containing hydrazine in this month.**
4. **Flow existed through this outfall 31 of 31 days.**

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
01/01/10	19	18
01/02/10	17	17
01/03/10	18	17
01/04/10	16	20
01/05/10	16	19
01/06/10	21	17
01/07/10	20	18
01/08/10	20	18
01/09/10	18	19
01/10/10	19	19

HALOGEN DOSING CURVE

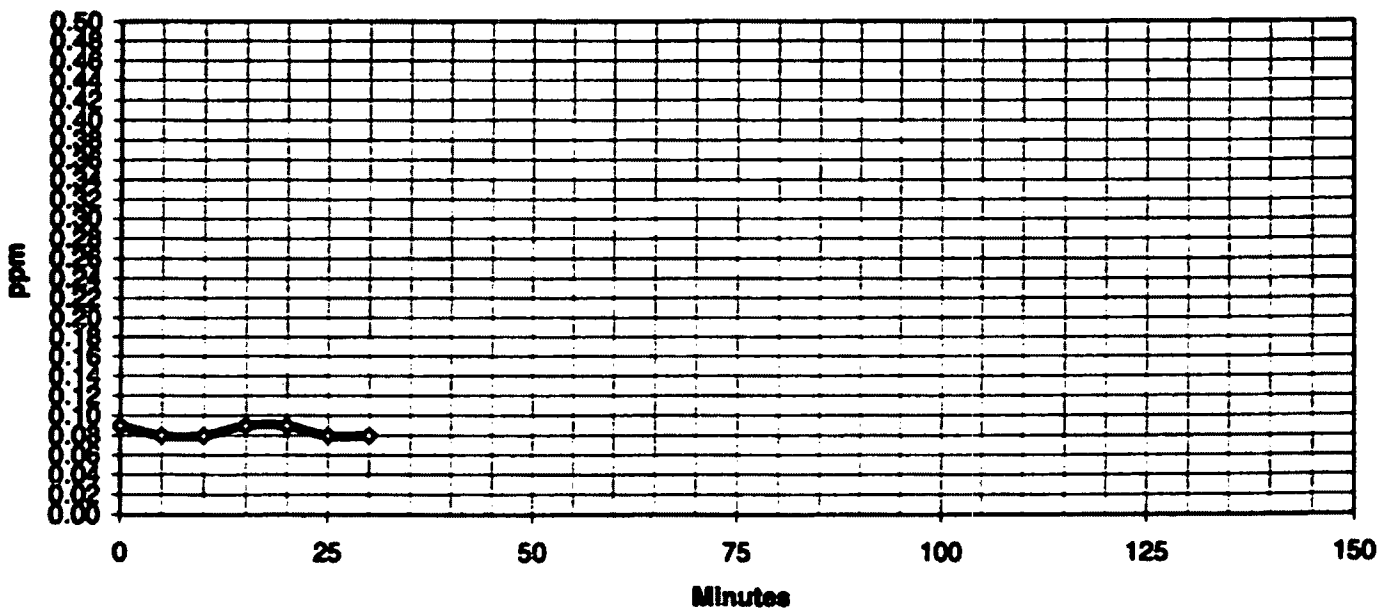
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 01/05/10
Time: 10:35

Analyzed by: M.P.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



**EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION**

Date	Dosing Time (Minutes)	
	U-1	U-2
01/11/10	20	20
01/12/10	20	21
01/13/10	20	20
01/14/10	19	20
01/15/10	20	20
01/16/10	20	20
01/17/10	20	20

HALOGEN DOSING CURVE

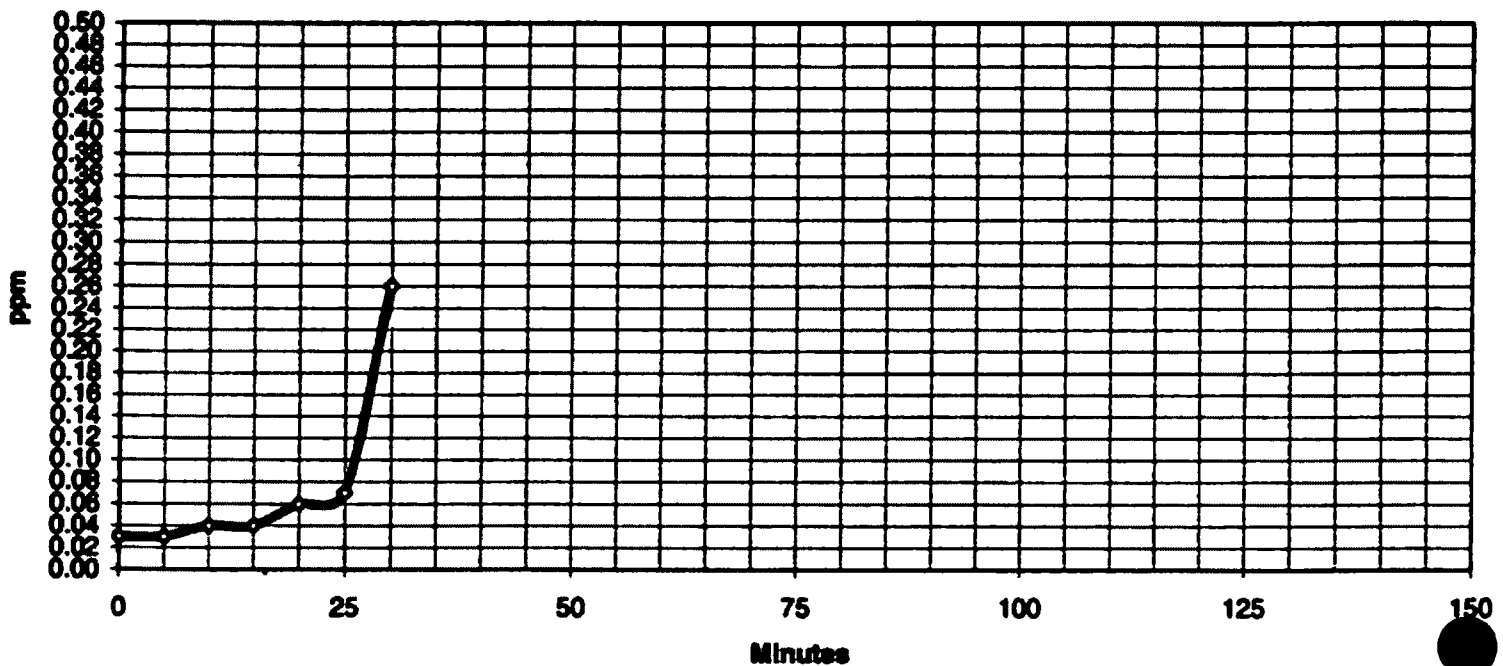
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 01/11/10
Time: 11:15

Analyzed by: E.F.G.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
01/18/10	20	20
01/19/10	19	19
01/20/10	20	20
01/21/10	20	20
01/22/10	20	20
01/23/10	20	20
01/24/10	20	20

HALOGEN DOSING CURVE

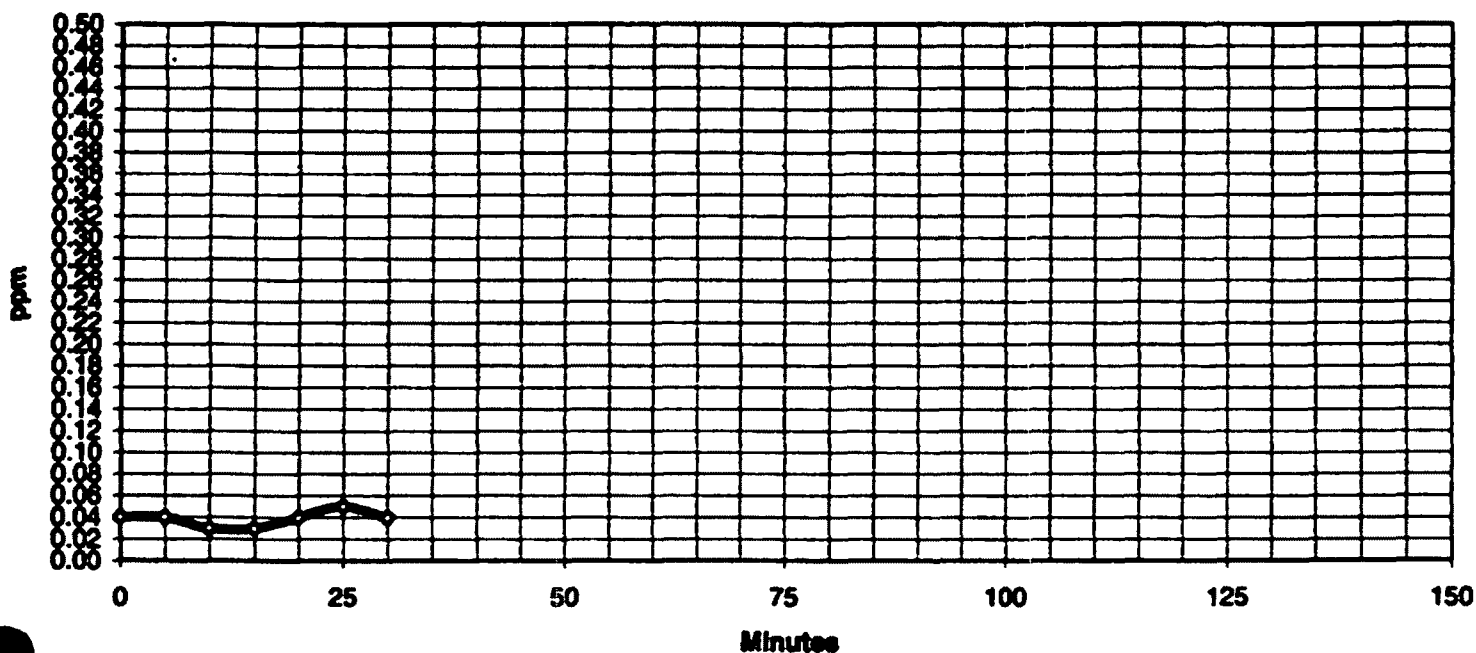
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 01/19/10
Time: 11:55

Analyzed by: T. M.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



**EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION**

Date	Dosing Time (Minutes)	
	U-1	U-2
01/25/10	20	20
01/26/10	20	20
01/27/10	20	20
01/28/10	20	20
01/29/10	20	21
01/30/10	22	21
01/31/10	21	20

HALOGEN DOSING CURVE

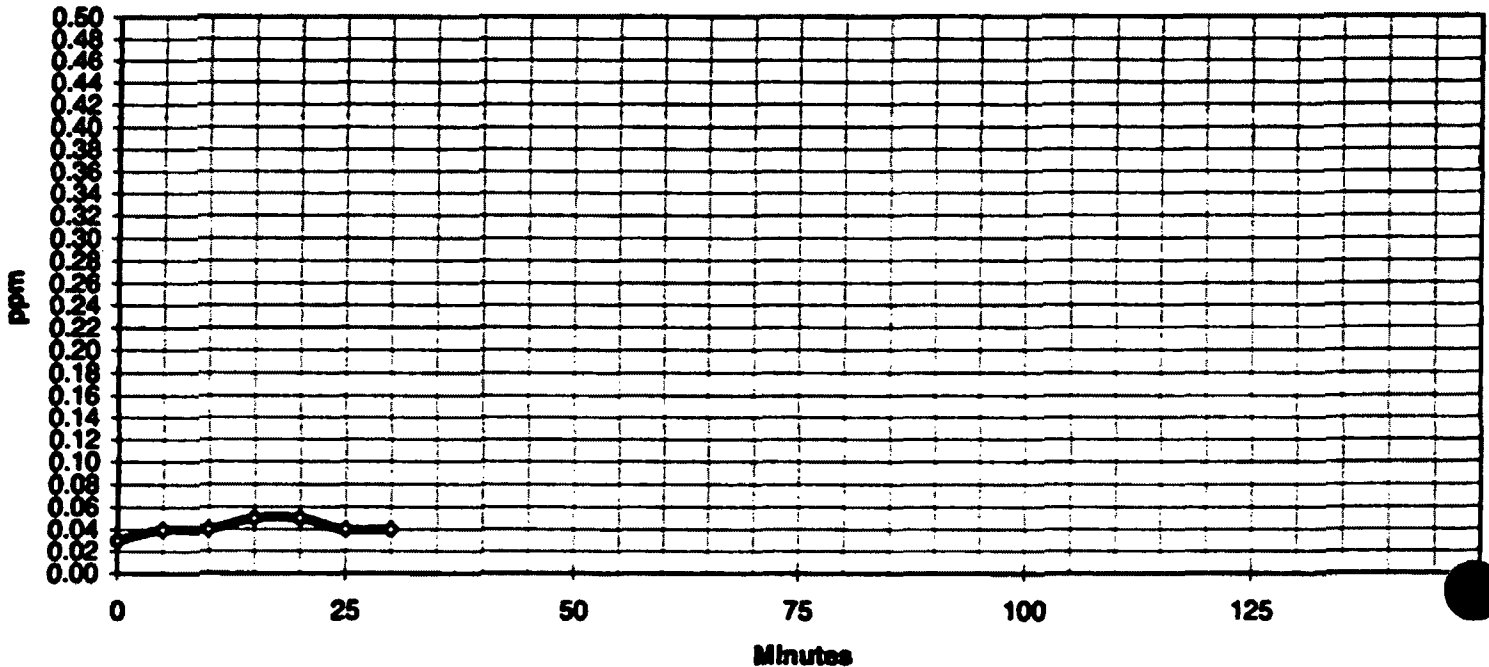
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 01/25/10
Time: 12:43

Analyzed by: J.W.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

March 18, 2010

LTR: BYRON 2010-0025
File: 2.09.0411
1.10.0101

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Subject: Byron Station Monthly Discharge Monitoring Report

In accordance with National Pollutant Discharge Elimination System (NPDES) Permit Number IL0048313, issued September 8, 2000, we are submitting the Discharge Monitoring Report for Byron Station, Units 1 and 2. This report covers the period of February 1, 2010 through February 28, 2010.

If there are any questions regarding this report, please contact Mr. Stanley Kerr, Chemistry Manager, at (815) 406-3200.

Respectfully,



Bradley J. Adams
Plant Manager
Byron Nuclear Generating Station

BJA/ZC/vib

Attachments

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR

(SUBR 01)

F - FINAL

DEMINEALIZER REGENERATE (001A)

EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD											
YEAR			MONTH			DAY			YEAR		
1	0	0	2	0	1	1	0	0	2	2	8

From:

To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	—	—	(26)	—	0.8	0.9	(19)	0	285	EC
00530 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	15.0	39.0	MG/L		ONCE/MONTH	COMP-8
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01032 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.1	0.2	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01034 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0	2.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01042 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.5	1.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01046 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0	1.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01051 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.2	0.4	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01067 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0	2.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				

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		
Bradley J. Adams		815	406-3700	10	03	18
Plant Manager		AREA CODE	NUMBER	YEAR	MONTH	DAY

Bradley J. Adams
SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

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

1. There was no discharge of processed steam generator chemical cleaning waste water during this month.
2. Flow existed 24 of 26 days during this month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR

(SUBR 01)

F - FINAL

DEMINEALIZER REGENERATE (001A)

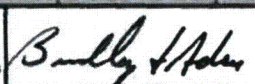
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD									
YEAR	MONTH	DAY	YEAR	MONTH	DAY				
1	0	0	2	0	1	To:	1	0	0
							2	2	8

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(28)	---			(19)		500		
	PERMIT REQUIREMENT			LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.017	0.071	(03)	---	---	---	---	0	135	CN	
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	CONTIN	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
Bradley J. Adams						815	406-3700	10	03	18		
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY		
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

B01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STP EFFLUENT (FORMER 001B)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1	0	0	To: 1	0	2
				2	8

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE										
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS													
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<0.25	0.37	(26)	-----	<2.0	3.7	(19)	0	280	DC										
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MGL		TWICE/MONTH	COMP24										
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	---	7.69	-----	7.70	(12)	0	280	GR										
	PERMIT REQUIREMENT	-----	-----	---	6.0 MINIMUM	-----	9.0 MAXIMUM	SU		TWICE/MONTH	GRAB										
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.15	0.17	(26)	-----	1.7	1.9	(19)	0	280	DC										
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MGL		TWICE/MONTH	COMP24										
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.008	0.012	(03)	-----	-----	-----	---	0	135	CN										
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	---		DAILY	CONTIN										
	SAMPLE MEASUREMENT																				
	PERMIT REQUIREMENT																				
	SAMPLE MEASUREMENT																				
	PERMIT REQUIREMENT																				
	SAMPLE MEASUREMENT																				
	PERMIT REQUIREMENT																				
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													
Bradley J. Adams						815	408-3700	10	03	18											
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY											
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT																				
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)																					
1. Flow existed through this outfall 28 of 28 days during the month.																					

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	2	0	1
1	0	0	2	2	8

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	2.4	3.9	(19)	0	240	DC
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
NICKEL, TOTAL (AS NI) 01057 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	<p>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.</p>					TELEPHONE		DATE			
Bradley J. Adams						815	408-3700	10	03	18	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
<p>COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)</p> <p>1. There was no discharge of processed steam generator chemical cleaning waste water during this month.</p> <p>2. Flow existed through this outfall 16 of 28 days during the month.</p>											

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

OCR0601

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4460 North German Church Road
Byron, IL 61010

MONITORING PERIOD


YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0	0 2	0 1	1 0	0 2	2 8

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
OIL AND GREASE 03682 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	3.0	4.1	(19)	0	240	GR
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 60060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.031	0.050	(03)	---	---	---	---	0	135	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	TOTALIZ.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Bradley J. Adams			815	406-3700	10	03	18
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. Totalizer indicated flow without actual flow through system. Flow is estimated for 2/01/10 through 2/02/10 based on run times.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

D01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	2	0	1
1	0	0	2	2	8

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(28)	-----	< 0.5	< 0.5	(19)	0	240	CP
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		WEEKLY	COMPOS
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(28)	-----	< 1.4	< 1.4	(19)	0	240	GR
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.023	0.023	(03)	-----	-----	-----	-----	0	135	CN
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	-----		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	03	18	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										

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

1. Flow existed through this outfall 2 of 28 days during the month.

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

PERMITTEE NAME/ADDRESS
NAME Exton Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0046313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

OCR0501

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0 0 2 0 1			1 0 0 2 2 8		

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	---	---	---	---	---	---	(12)		500	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	6.0 MINIMUM	---	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MGL		SEE PERMIT	GRAB
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MGL		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01046 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MGL		DAILY	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01061 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MGL		DAILY	GRAB

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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.

Bradley J. Adams
SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE
815 406-3700
AREA NUMBER

DATE
10 03 18
YEAR MONTH DAY

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. There was no discharge of processed steam generator chemical cleaning wastewater during the month.
3. Flow existed through this outfall 3 of 26 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)

F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1	0	0	To: 1	0	2

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS							
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500					
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB				
ZINC, TOTAL (AS ZN) 01082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500					
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB				
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	3.4	5.3	(19)	0	290	GRAB				
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		TWICE/ MONTH	GRAB				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.407	1.209	(03)	-----	-----	-----	-----	0	290	TM				
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	-----		TWICE/ MONTH	TOTALIZ				
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
	SAMPLE MEASUREMENT														
	PERMIT REQUIREMENT														
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							
Bradley J. Adams											815	406-3700	10	03	18
Plant Manager											AREA CODE	NUMBER	YEAR	MONTH	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT														

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

1 Actual totalizer reading taken on 2/2/10. January 2010 flows were estimated due to inability to see totalizer reading because of fogging issues.
February 2010 flow is likely biased high due to previously mentioned inability to read totalizer in January 2010. Totalizer replaced on 2/19/10 to address fogging issues.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

001 0
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0 0 2 0 1			To: 1 0 0 2 2 8		

MAJOR
(SUBR 01)
F - FINAL
COOLING SYSTEM BLOWDOWN
EFFLUENT

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	—	—	—	8.60	—	8.85	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	—	8.0 MINIMUM	—	9.0 MAXIMUM	8U		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.671 DAILY MAX	MGL		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	—	—	(26)	—	—	0.023	(19)	0	240	GR
01082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	1.0 DAILY MAX	MGL		WEEKLY	GRAB
OXIDANTS, TOTAL RESIDUAL	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
34044 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.05 DAILY MAX	MGL		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	19.95	26.10	(03)	—	—	—	—	0	135	CN
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	—	—	—	—		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	—	—	(26)	—	0.09	0.31	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.2 30 DAY AVG	0.5 DAILY MAX	MGL		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.031 DAILY MAX	MGL		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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 ensure 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 PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE

815 406-3700

AREA
CODE

NUMBER

DATE

10 03 18

YEAR MONTH DAY

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

Per Special Condition 4C., the maximum allowable blowdown temperature calculation results are provided on the attachment

SEE ATTACHED

EPA Form 3320-1 (Rev 3/99)

SD

PAGE 1 OF 1

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)

F - FINAL

STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD											
YEAR			MONTH			DAY			YEAR		
From:	1	0	0	2	0	1	To:	1	0	0	2

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	—	—	—	—	—	—	(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	—	6.0 MINIMUM	—	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)			
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams
Plant Manager
TYPED OR PRINTED

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.

Bradley J. Adams
SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE		DATE		
815	408-3700	10	03	18
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. This discharge point was not used this month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exton Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MONITORING PERIOD

From:			To:		
YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	2	0	1
1	0	0	2	2	8

MAJOR
(SUBR 01)
F - FINAL
STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
ZINC, TOTAL (AS ZN) 01082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
OIL AND GREASE 03682 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		TWICE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			(03)	---	---	---	---			
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		TWICE/ MONTH	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	03	18	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT
For Exelon Byron Station
Permit IL0048313
February 2010**

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
02/06/10	120	69.9
02/13/10	120	67.4
02/20/10	120	68.5
02/27/10	120	74.9

Note: Station procedures derive the *Calculated Maximum Allowable Blowdown Temperature* based on existing Rock River temperature and a calculated maximum river temperature increase. When the arithmetic sum of these values exceeds 120 degrees Fahrenheit, the *Calculated Maximum Allowable Temperature* limit defaults to 120 degrees Fahrenheit.

HYDRAZINE MONITORING:

There were no steam generator chemical cleaning solutions (or associated rinses) containing hydrazine discharged to the Cooling System Blowdown during the month of February 2010.

TOTAL QUANTITY DISCHARGED: N/A

TOTAL DURATION OF DISCHARGE: N/A

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT (Page 2)
For Exelon Byron Station
Permit IL0048313
February 2010**

COMMENTS:

1. **The weekly halogen concentration curves and daily halogen dosing time reports are attached.**
2. **Bromine was not used this month.**
3. **There was no discharge of steam generator chemical cleaning wastewater containing hydrazine in this month.**
4. **Flow existed through this outfall 28 of 28 days.**

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
02/01/10	18	20
02/02/10	20	20
02/03/10	20	20
02/04/10	20	20
02/05/10	20	20
02/06/10	20	21
02/07/10	20	22

HALOGEN DOSING CURVE

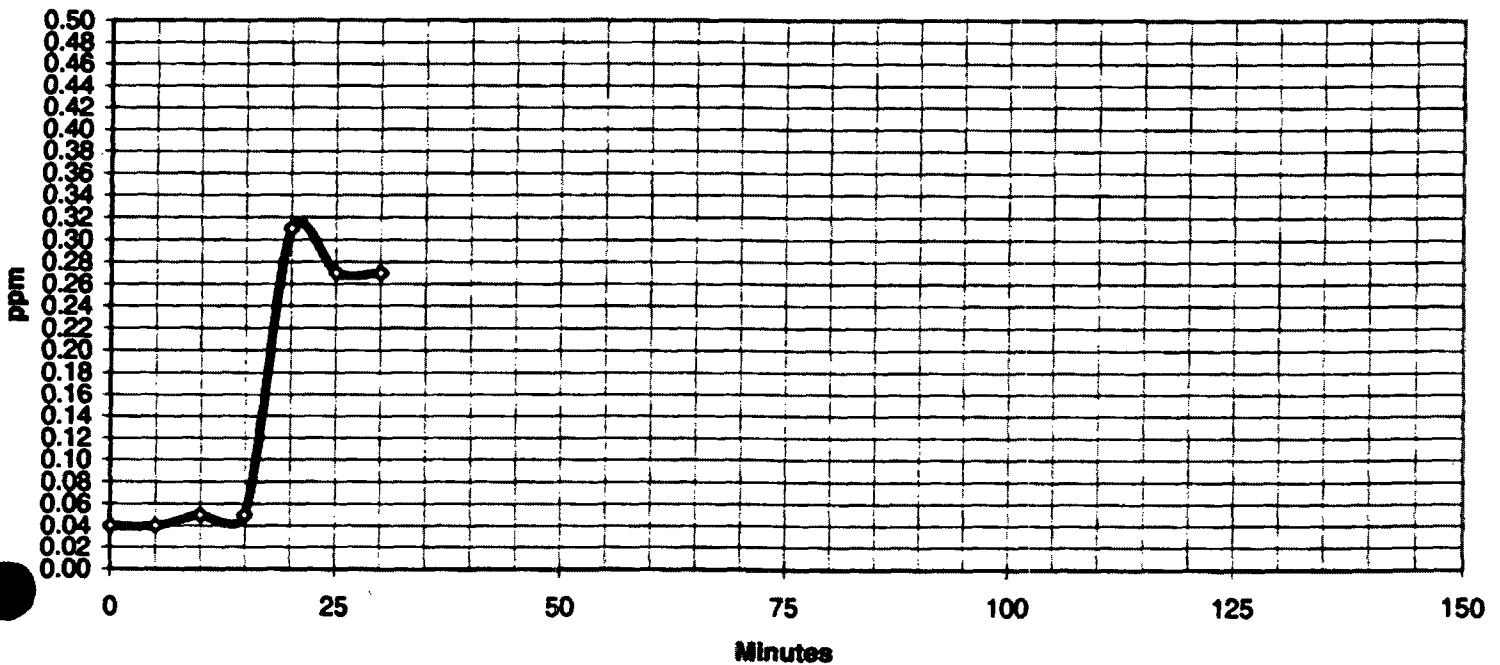
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 02/01/10
Time: 10:52

Analyzed by: J. J. P.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
02/08/10	20	20
02/09/10	20	20
02/10/10	20	19
02/11/10	20	20
02/12/10	20	20
02/13/10	20	20
02/14/10	20	20

HALOGEN DOSING CURVE

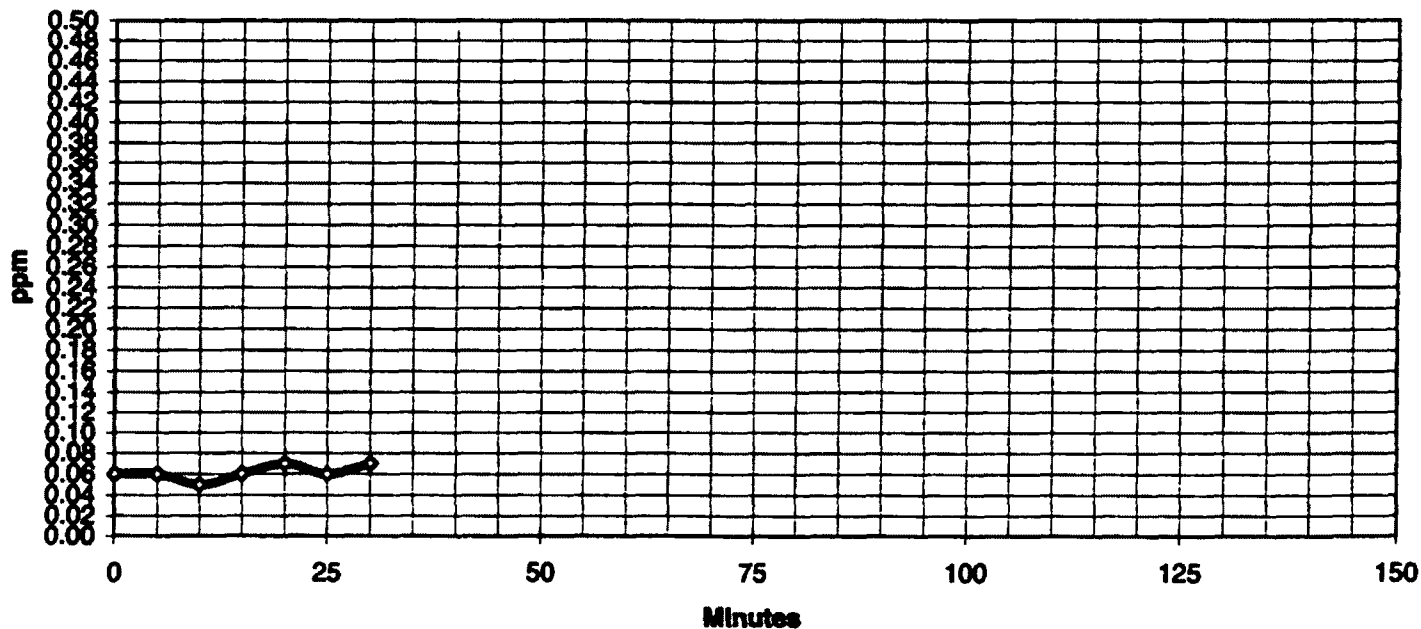
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 02/08/10
Time: 11:35

Analyzed by: J. E. D.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
02/15/10	20	20
02/16/10	20	20
02/17/10	20	20
02/18/10	20	22
02/19/10	25	25
02/20/10	25	25
02/21/10	20	25

HALOGEN DOSING CURVE

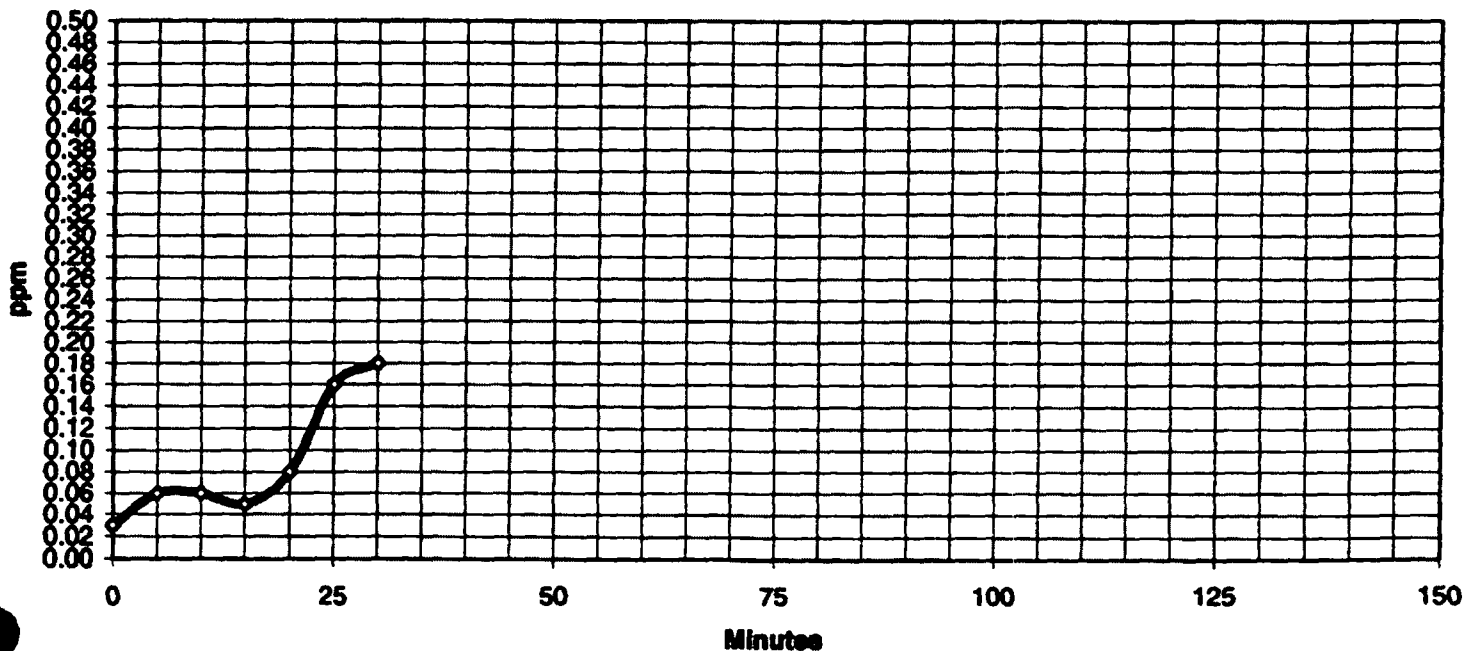
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 02/15/10
Time: 12:45

Analyzed by: G. N. P.
Reviewed by: D. M.

Unit: l

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
02/22/10	20	20
02/23/10	20	20
02/24/10	20	20
02/25/10	20	20
02/26/10	25	25
02/27/10	25	20
02/28/10	20	20

HALOGEN DOSING CURVE

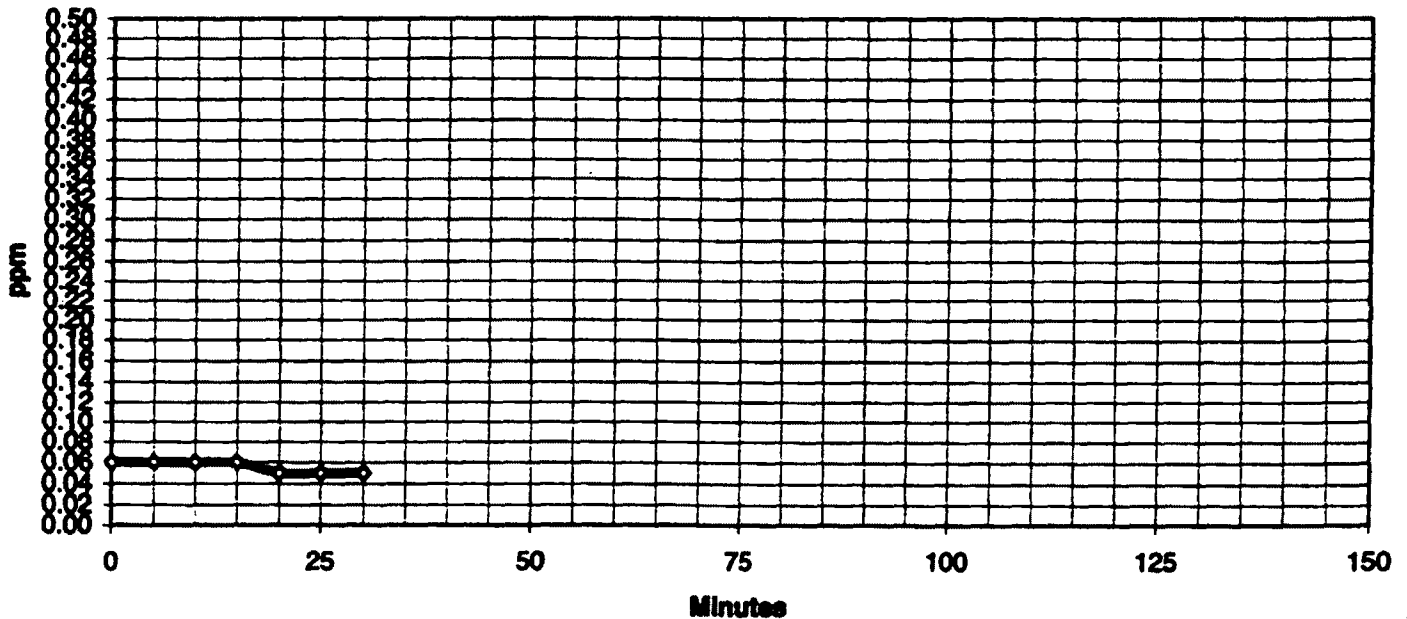
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 02/22/10
Time: 12:00

Analyzed by: J.E.D.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



Joe Cox

ExelonSM
Nuclear

Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

April 20, 2010

LTR: BYRON 2010-0032
File: 2.09.0411
1.10.0101

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Subject: Byron Station Monthly Discharge Monitoring Report

In accordance with National Pollutant Discharge Elimination System (NPDES) Permit Number IL0048313, issued September 8, 2000, we are submitting the Discharge Monitoring Report for Byron Station, Units 1 and 2. This report covers the period of March 1, 2010 through March 31, 2010.

If there are any questions regarding this report, please contact Mr. Stanley Kerr, Chemistry Manager, at (815) 406-3200.

Respectfully,

Bradley J. Adams

Bradley J. Adams
Plant Manager
Byron Nuclear Generating Station

BJA/ZC/sdk

Attachments

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
DEMINEALIZER REGENERATE (001A)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	3	0	1

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-----	-----	(26)	-----	<0.82	<0.87	(19)	0	285	EC
00630 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0	30.0	MG/L		ONCE/MONTH	COMP-S
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01032 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.1	0.2	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01034 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0	2.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01042 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.5	1.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01045 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0	1.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01061 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.2	0.4	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-----	-----	(26)	-----			(19)		500	
01067 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0	2.0	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE						30 DAY AVG	DAILY MAX				

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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 PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE
815 408-3700
AREA CODE NUMBER

DATE
10 04 20
YEAR MONTH DAY

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

1. There was no discharge of processed steam generator chemical cleaning waste water during this month.
2. Flow existed 28 of 31 days during this month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD									
From:			To:						
YEAR	MONTH	DAY	YEAR	MONTH	DAY				
1	0	0	3	0	1				
1	0	0	3	3	1				

... NO DISCHARGE ☐ ...

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-----	-----	(28)	-----	-----	-----	(19)		500	
01082 1 0 0	PERMIT REQUIREMENT			LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.021	0.082	(03)	-----	-----	-----	-----	0	135	CN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	-----		DAILY	CONTIN
60060 1 0 0	SAMPLE MEASUREMENT										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE	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			
PRINCIPAL EXECUTIVE OFFICER						815 406-3700		10	04	20	
Bradley J. Adams						AREA CODE NUMBER		YEAR	MONTH	DAY	
Plant Manager	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
TYPED OR PRINTED											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

B01 0
DISCHARGE NUMBER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD									
YEAR	MONTH	DAY	YEAR	MONTH	DAY				
From: 1	0	0	3	0	1	To: 1	0	0	3

MAJOR (SUBR 01)
F - FINAL
STP EFFLUENT (FORMER 001B)
EFFLUENT

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.33	0.47	(26)	-----	5.3	7.0	(19)	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MG/L		TWICE/MONTH	COMP24
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	---	7.63	-----	7.70	(12)	0	290	GR
	PERMIT REQUIREMENT	-----	-----	---	5.8 MINIMUM	-----	9.0 MAXIMUM	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.15	0.21	(26)	-----	2.5	3.3	(19)	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	30.0 30 DAY AVG	60.0 DAILY MAX	MG/L		TWICE/MONTH	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.007	0.017	(03)	-----	-----	-----	---	0	135	CN
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	---		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	04	20	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										

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

1. Flow existed through this outfall 28 of 31 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD													
YEAR			MONTH			DAY							
From:	1	0	0	3	0	1	To:	1	0	0	3	3	1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	—	—	(26)	—	<2.0	4.0	(19)	0	240	DC
00530 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
CHROMIUM, HEXAVALENT (AS CR)	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
01032 1 0 0	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01034 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01048 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
01061 1 0 0	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	—	—	(26)	—			(19)		500	
01067 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	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		
Bradley J. Adams		815	406-3700	10	04	20
Plant Manager		AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. There was no discharge of processed steam generator chemical cleaning waste water during this month.
2. Flow existed through this outfall 17 of 31 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY
	1	0	0		1	0	0
	3	0	1		3	3	1

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	<2.9	6.3	(19)	0	240	GR
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.031	0.040	(03)	---	---	---	---	0	135	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815 406-3700		10	04	20	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

D01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

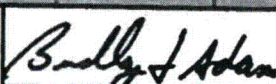
MONITORING PERIOD

From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY
	1	0	0	3	0	1	
	1	0	0	3	3	1	

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	< 0.5	< 0.5	(19)	0	240	CP
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MGL		WEEKLY	COMPOS
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	< 1.4	< 1.4	(19)	0	240	GR
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.021	0.023	(03)	---	---	---	---	0	135	CN
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
Bradley J. Adams			815 406-3700	10	04	20
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH
TYPED OR PRINTED						

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

1. Flow existed through this outfall 10 of 31 days during the month.

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

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

OCR0501

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

MONITORING PERIOD									
From:	YEAR	MONTH	DAY	To:	YEAR	MONTH	DAY		
	1	0	0	3	0	1	1		

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	00400 1 0 0										
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				6.0 MINIMUM		9.0 MAXIMUM	SI		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	00630 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB
CHROMIUM, HEXAVALENT (AS CR)	01032 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	01034 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU)	01042 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	01046 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB)	01061 1 0 0			(26)				(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams
Plant Manager
TYPED OR PRINTED

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.

Bradley J. Adams
SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE
815 408-3700
AREA CODE NUMBER

DATE
10 04 20
YEAR MONTH DAY

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. There was no discharge of processed steam generator chemical cleaning wastewater during the month.
3. Flow existed through this outfall 3 of 31 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

MONITORING PERIOD											
YEAR			MONTH			DAY			YEAR		
From:	1	0	0	3	0	1	To:	1	0	0	3

... NO DISCHARGE ☐ ...

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
ZINC, TOTAL (AS ZN) 01082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MGL		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	2.2	2.5	(19)	0	290	GRAB
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MGL		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.214	0.449	(03)	---	---	---	---	0	290	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		TWICE/MONTH	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	04	20	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exton Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0046313
PERMIT NUMBER

001 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
COOLING SYSTEM BLOWDOWN
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

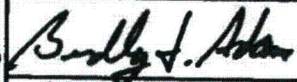
YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0 0 3 0 1	1 0 0 3 3 1				

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	—	—	—	8.50	—	8.73	(12)	0	240	GR
00400 1 0 0	PERMIT REQUIREMENT	—	—	—	8.0 MINIMUM	—	9.0 MAXIMUM	8U		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—	—	0.008	(19)	0	240	GR
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	—	—	(26)	—	—	0.018	(19)	0	240	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	1.0 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
01082 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.05 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
OXIDANTS, TOTAL RESIDUAL	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	—	—		DAILY	CONTIN
34044 1 0 0	SAMPLE MEASUREMENT	18.47	25.15	(03)	—	—	—	—	0	135	CN
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	—	—	—	—		DAILY	CONTIN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	—	—	(26)	—	0.07	0.35	(19)	0	240	GR
50050 1 0 0	PERMIT REQUIREMENT	—	—	LBS/DY	—	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB
50060 1 0 0	SAMPLE MEASUREMENT	—	—	(26)	—	—	—	(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	—	—	LBS/DY	—	—	—	—		DAILY WHEN DISCHARGING	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE		
Bradley J. Adams			815 406-3700	10	04	20
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Per Special Condition 4C., the maximum allowable blowdown temperature calculation results are provided on the attachment

SEE ATTACHED
EPA Form 3320-1 (Rev 3/89)

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)

F - FINAL

STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1	0	0	To: 1	0	3

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	---	---	---		---		(12)			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	6.0 MINIMUM	---	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	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			
Bradley J. Adams						815 406-3700		10	04	20	
Plant Manager						AREA CODE NUMBER		YEAR	MONTH	DAY	
TYPED OR PRINTED						SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT					

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. This discharge point was not used this month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	3	0	1

From: To:

MAJOR
(SUBR 01)
F - FINAL
STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----	-----	(19)			
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----	-----	(19)			
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----	-----	(19)			
	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		TWICE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			(03)	-----	-----	-----	----			
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	----		TWICE/ MONTH	TOTALIZ.
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815 406-3700		10	04	20	
Plant Manager						AREA CODE NUMBER		YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT
For Exelon Byron Station
Permit IL0048313
March 2010**

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
03/06/10	120	71.5
03/14/10	120	78.6
03/20/10	120	70.1
03/27/10	120	74.7

Note: Station procedures derive the *Calculated Maximum Allowable Blowdown Temperature* based on existing Rock River temperature and a calculated maximum river temperature increase. When the arithmetic sum of these values exceeds 120 degrees Fahrenheit, the *Calculated Maximum Allowable Temperature* limit defaults to 120 degrees Fahrenheit.

HYDRAZINE MONITORING:

There were no steam generator chemical cleaning solutions (or associated rinses) containing hydrazine discharged to the Cooling System Blowdown during the month of March 2010.

TOTAL QUANTITY DISCHARGED: N/A

TOTAL DURATION OF DISCHARGE: N/A

**ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT (Page 2)
For Exelon Byron Station
Permit IL0048313
March 2010**

COMMENTS:

1. **The weekly halogen concentration curves and daily halogen dosing time reports are attached.**
2. **Bromine was not used this month.**
3. **There was no discharge of steam generator chemical cleaning wastewater containing hydrazine in this month.**
4. **Flow existed through this outfall 31 of 31 days.**

**EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION**

Date	Dosing Time (Minutes)	
	U-1	U-2
03/01/10	22	22
03/02/10	20	20
03/03/10	19	20
03/04/10	19	20
03/05/10	22	20
03/06/10	22	22
03/07/10	22	20

HALOGEN DOSING CURVE

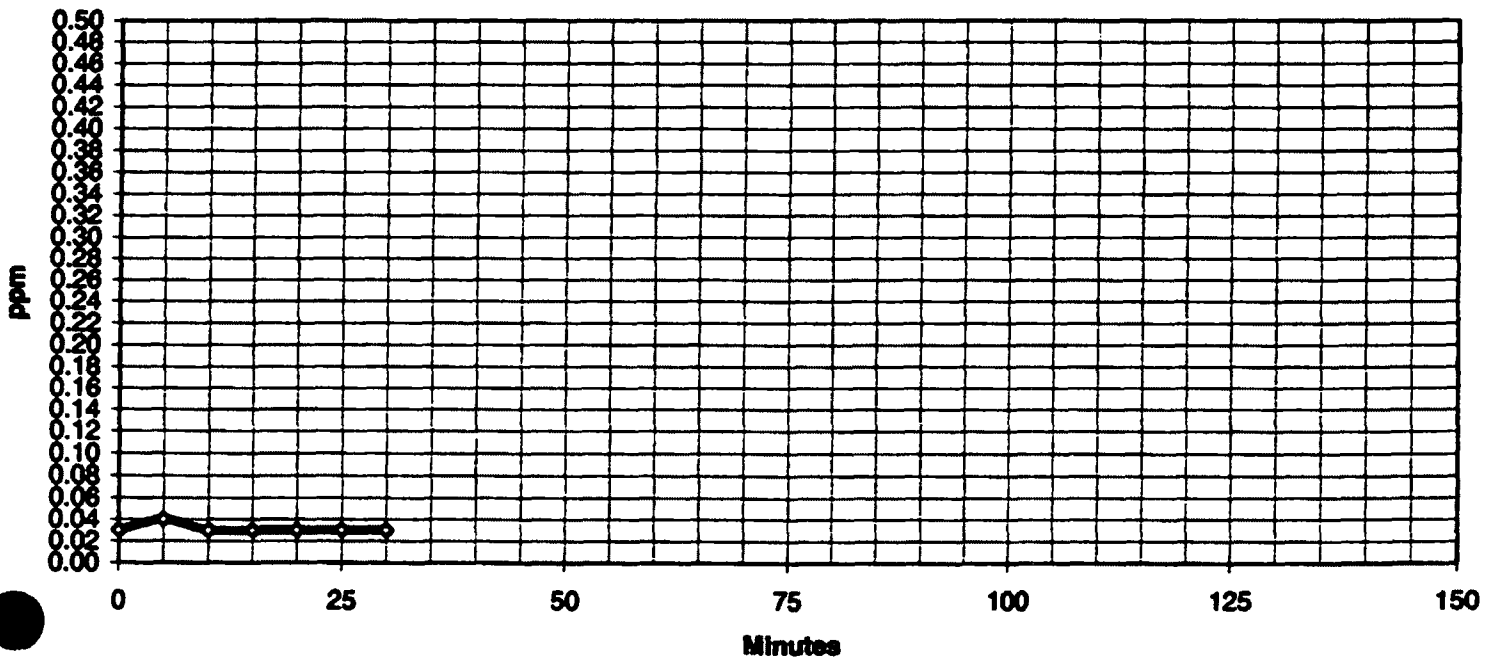
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 03/01/10
Time: 11:49

Analyzed by: D.C. A.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



**EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION**

<u>Date</u>	<u>Dosing Time</u> (Minutes)	
	<u>U-1</u>	<u>U-2</u>
03/08/10	20	20
03/09/10	20	20
03/10/10	20	20
03/11/10	20	20
03/12/10	20	20
03/13/10	20	20
03/14/10	20	20

HALOGEN DOSING CURVE

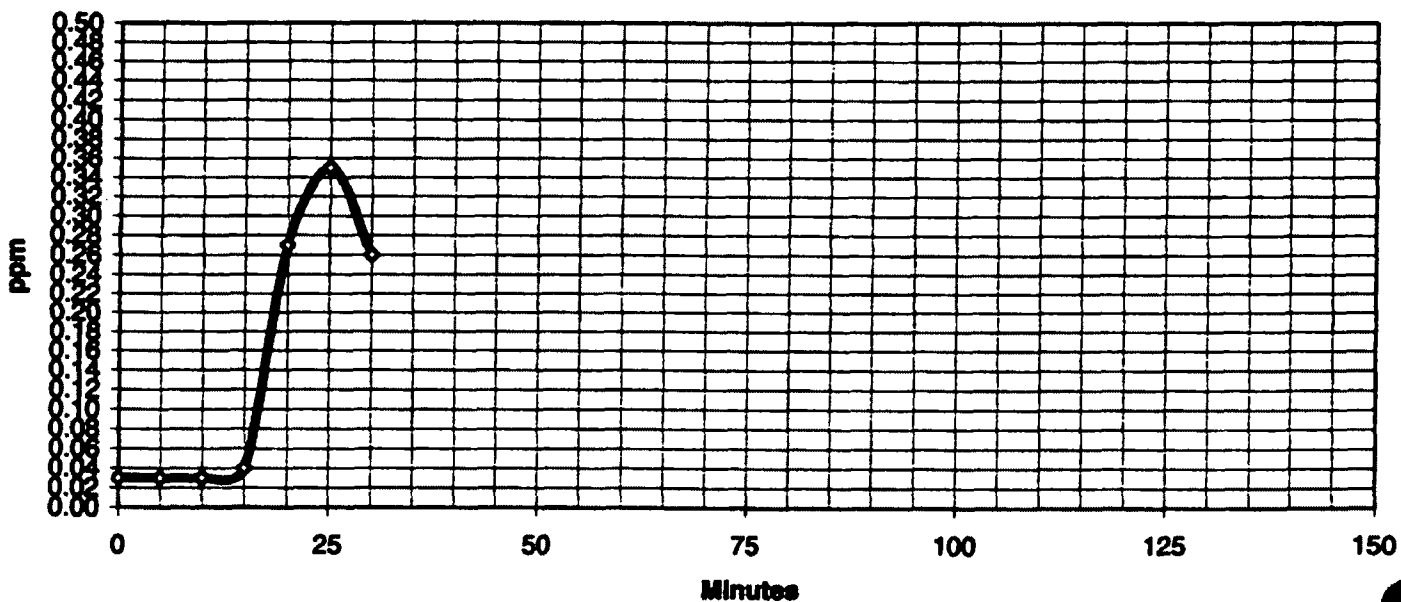
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 03/08/10
Time: 12:47

Analyzed by: M. H.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



**EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION**

Date	Dosing Time (Minutes)	
	U-1	U-2
03/15/10	25	25
03/16/10	25	25
03/17/10	25	25
03/18/10	25	25
03/19/10	25	25
03/20/10	25	25
03/21/10	25	25

HALOGEN DOSING CURVE

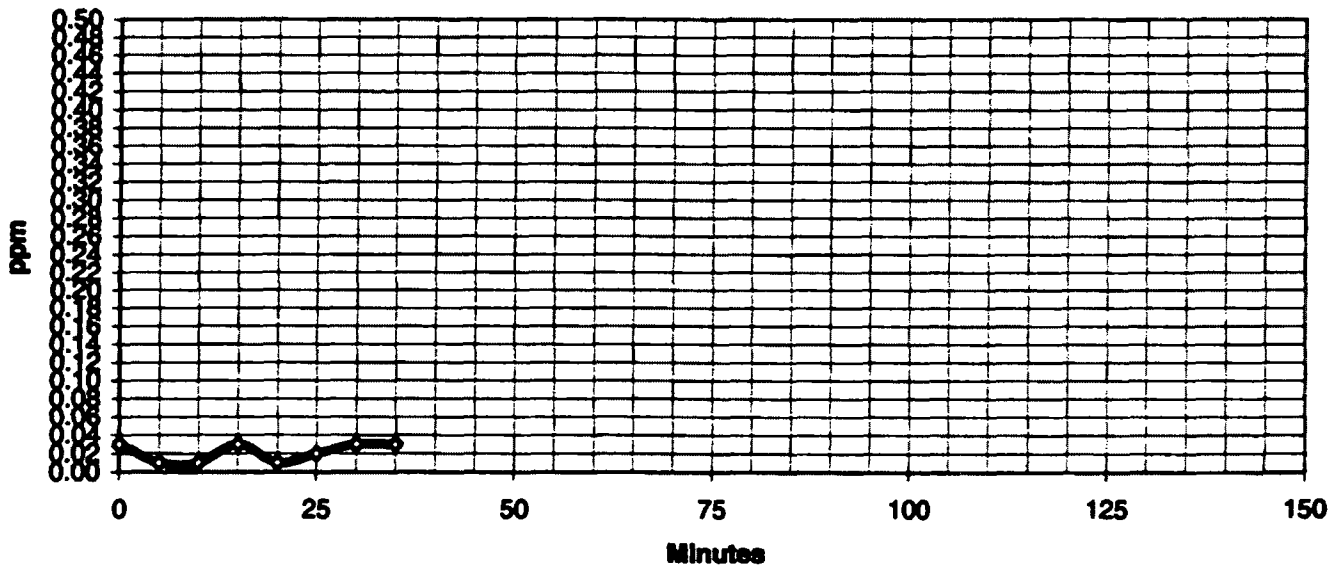
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 03/15/10
Time: 12:00

Analyzed by: G.P.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
03/22/10	20	25
03/23/10	25	25
03/24/10	25	25
03/25/10	25	25
03/26/10	26	27
03/27/10	25	25
03/28/10	25	25

HALOGEN DOSING CURVE

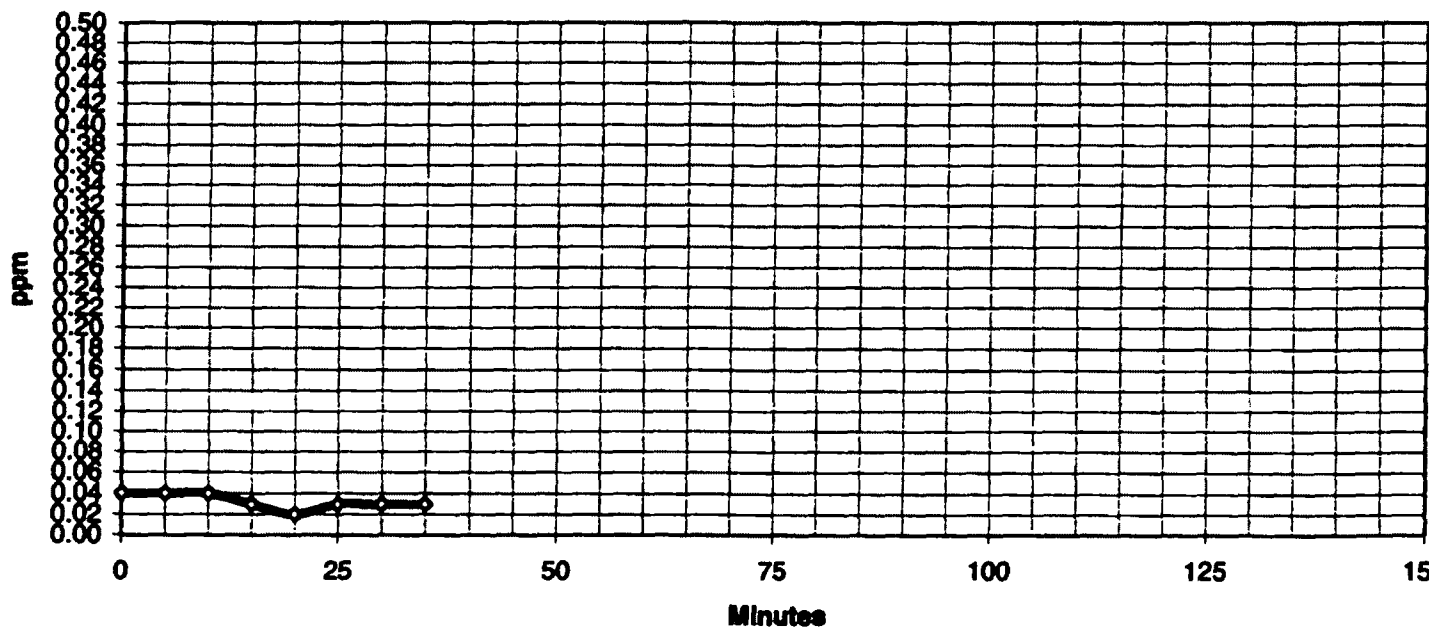
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 03/22/10
Time: 12:18

Analyzed by: M. D.
Reviewed by: D. M.

Unit: 2

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)	
	U-1	U-2
03/29/10	25	25
03/30/10	26	28
03/31/10	26	28

HALOGEN DOSING CURVE

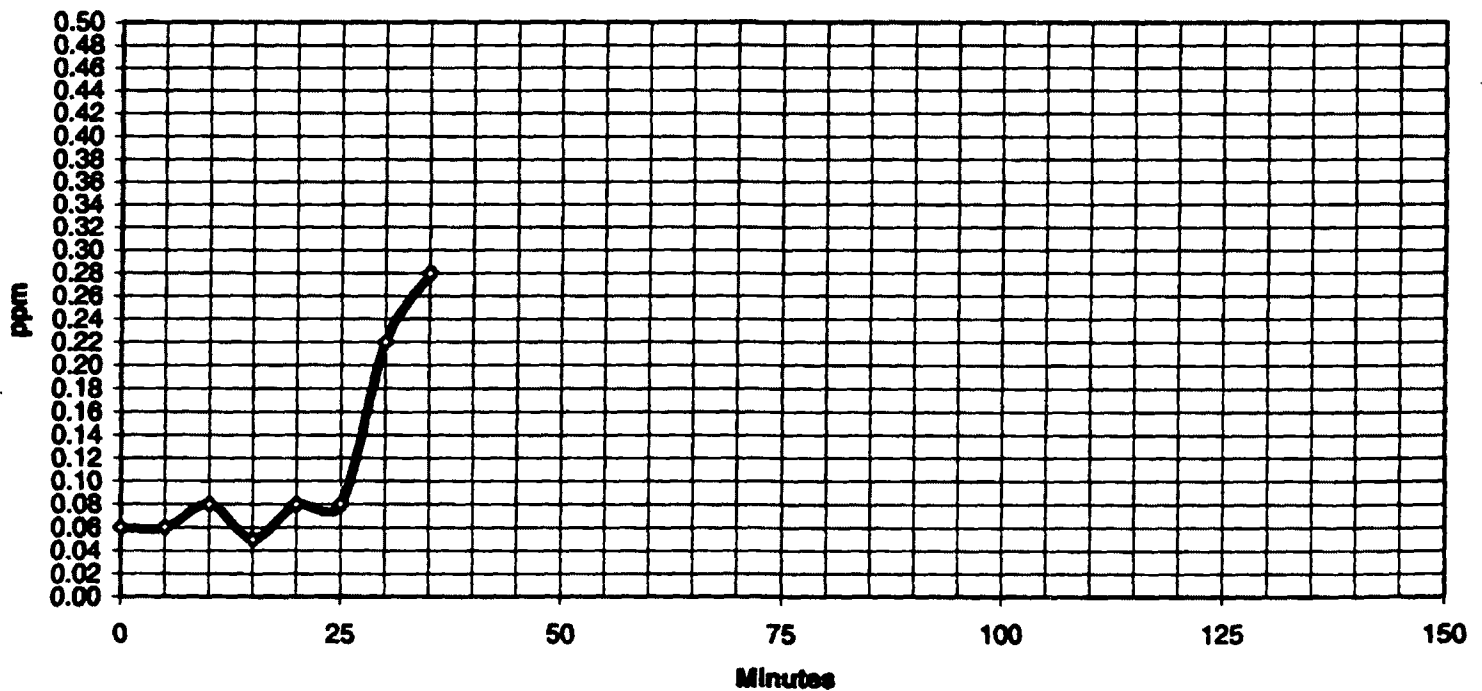
Concentration of total residual chlorine/halogen
vs. minutes of chlorination period.

Date: 03/29/10
Time: 11:19

Analyzed by: J. W.
Reviewed by: D. M.

Unit: 1

Note: The limit of detection for the instrument as tested in the Station Laboratory is 0.02 mg/L. All values less than this limit are reported for information only.



Exelon Generation Company, LLC
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

www.exeloncorp.com

302
ExelonSM
Nuclear

May 19, 2010

**LTR: BYRON 2010-0044
File: 2.09.0411
1.10.0101**

**Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276**

Subject: Byron Station Monthly Discharge Monitoring Report

In accordance with National Pollutant Discharge Elimination System (NPDES) Permit Number IL0048313, issued September 8, 2000, we are submitting the Discharge Monitoring Report for Byron Station, Units 1 and 2. This report covers the period of April 1, 2010 through April 30, 2010.

If there are any questions regarding this report, please contact Mr. Stanley Kerr, Chemistry Manager, at (815) 406-3200.

Respectfully,



**Bradley J. Adams
Plant Manager
Byron Nuclear Generating Station**

BJA/ZC/sdk

Attachments

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
DEMINEALIZER REGENERATE (001A)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD											
YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	4	0	1	1	0	0	4	3	0

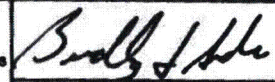
From:

To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	<0.78	<0.82	(19)	0	285	EC
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/MONTH	COMP-8
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
NICKEL, TOTAL (AS NI) 01057 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---			(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Bradley J. Adams			615	406-3700	10	05	19
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. There was no discharge of processed steam generator chemical cleaning waste water during this month.
2. Flow existed 25 of 30 days during this month.

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

A01 0
DISCHARGE NUMBER

MAJOR

(SUBR 01)

F - FINAL

DEMINERALIZER REGENERATE (001A)

EFFLUENT

FACILITY Byron Nuclear Power Station

LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD									
YEAR	MONTH	DAY	YEAR	MONTH	DAY				
From: 1	0	0	4	0	1	To: 1	0	0	4

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01082 1 0 0	PERMIT REQUIREMENT			LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.019	0.080	(03)	---	---	---	---	0	135	CN
50060 1 0 0	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	CONTIN
EFFLUENT GROSS VALUE											
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE	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			
PRINCIPAL EXECUTIVE OFFICER						815	408-3700	10	05	19	
Bradley J. Adams						SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT					
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED											

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

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

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313		B01 0	
PERMIT NUMBER		DISCHARGE NUMBER	

MONITORING PERIOD					
YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1	0	0	To: 1	0	0
4	0	1	4	3	0

OCR0501

MAJOR (SUBR 01)
F - FINAL
STP EFFLUENT (FORMER 001B)
EFFLUENT

*** NO DISCHARGE ☐ ***

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NOTE: Read instructions before completing this form		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.01	2.84	(26)	-----	23.8	34.0	(19)	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	39.0 30 DAY AVG	68.0 DAILY MAX	MG/L		TWICE/MONTH	COMP24
PH	SAMPLE MEASUREMENT	-----	-----	---	7.83	-----	7.98	(12)	0	290	GR
	PERMIT REQUIREMENT	-----	-----	---	8.0 MINIMUM	-----	9.0 MAXIMUM	SU		TWICE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.87	1.17	(26)	-----	9.6	14.0	(19)	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX	LBS/DY	-----	39.0 30 DAY AVG	68.0 DAILY MAX	MG/L		TWICE/MONTH	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.008	0.012	(03)	-----	-----	-----	---	0	135	CN
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	---		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
Bradley J. Adams					815 406-3700		10 05 19				
Plant Manager											
TYPED OR PRINTED					AREA CODE	NUMBER	YEAR	MONTH	DAY		
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
1. Flow existed through this outfall 30 of 30 days during the month.											

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

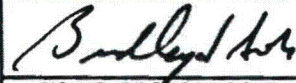
FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD											
YEAR			MONTH			DAY			YEAR		
From:	1	0	0	4	0	1	To:	1	0	0	4

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-----	-----	(28)	-----	7.5	23.4	(19)	0	240	DC
00530 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
CHROMIUM, HEXAVALENT (AS CR)	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
01032 1 0 0	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
01034 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
COPPER, TOTAL (AS CU)	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
01042 1 0 0	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
01046 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
LEAD, TOTAL (AS PB)	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
01061 1 0 0	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-----	-----	(28)	-----			(19)		500	
01067 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----			(19)		500	
EFFLUENT GROSS VALUE											

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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
Bradley J. Adams			815 406-3700	10	05	19	
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH	DAY
TYPED OR PRINTED							

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

- There was no discharge of processed steam generator chemical cleaning waste water during this month.
- Flow existed through this outfall 21 of 30 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

C01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD
From: YEAR MONTH DAY 1 0 0 4 0 1 To: YEAR MONTH DAY 1 0 0 4 3 0

*** NO DISCHARGE ☐ ***

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN) 01082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE 03682 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	< 8.0	20.0	(19)	0	240	GR
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.031	0.054	(03)	---	---	---	---	0	135	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		DAILY	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	408-3700	10	05	19	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

D01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0 0 4 0 1			1 0 0 4 3 0		

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-----	-----	(26)	-----	< 0.5	0.5	(19)	0	240	CP
00630 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
EFFLUENT GROSS VALUE											
OIL AND GREASE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.023	0.024	(03)	-----	-----	-----	-----	0	135	CN
50050 1 0 0	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	-----		DAILY	CONTIN
EFFLUENT GROSS VALUE											
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	05	19	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										

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

1. Flow existed through this outfall 9 of 30 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

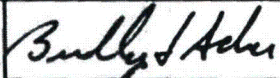
MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
From: 1 0	0 4	0 1	To: 1 0	0 4	3 0

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	---	---	---	---	---	---	(12)		500	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	6.8 MINIMUM	---	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)		500	
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Bradley J. Adams			815	406-3700	10	05	19
Plant Manager			AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month.
2. There was no discharge of processed steam generator chemical cleaning wastewater during the month.
3. Flow existed through this outfall 12 of 30 days during the month.

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

E01 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
STORMWATER (FORMER 001E)
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1	0	0	4	0	1

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS Ni) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)	---	500	---
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L	---	DAILY	GRAB
ZINC, TOTAL (AS Zn) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)	---	500	---
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L	---	DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	< 1.4	1.5	(19)	0	290	GRAB
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L	---	TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.293	0.702	(03)	---	---	---	---	0	290	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---	---	TWICE/MONTH	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815 406-3700		10	05	19	
Plant Manager						AREA CODE NUMBER		YEAR	MONTH	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT										

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

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

OCR0501

PERMITTEE NAME/ADDRESS
NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

001 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL
COOLING SYSTEM BLOWDOWN
EFFLUENT

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD

YEAR	MONTH	DAY	YEAR	MONTH	DAY
1 0	0 4	0 1	1 0	0 4	3 0

From: To:

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	-----	-----	---	8.55	-----	8.70	(12)	0	240	GR
00400 1 0 0	PERMIT REQUIREMENT	-----	-----	---	8.0 MINIMUM	-----	9.0 MAXIMUM	SU		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----	0.010	(19)	0	240	GR
01042 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	-----	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----	0.015	(19)	0	240	GR
01092 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	-----	1.0 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
OXIDANTS, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----		(19)		500	
34044 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	-----	0.05 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	17.08	22.86	(03)	-----	-----	-----	---	0	135	CN
50060 1 0 0	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-----	-----	-----	---		DAILY	CONTIN
EFFLUENT GROSS VALUE											
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-----	-----	(26)	-----	0.05	0.13	(19)	0	240	GR
50080 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
HYDRAZINE	SAMPLE MEASUREMENT	-----	-----	(26)	-----	-----		(19)		500	
61313 1 0 0	PERMIT REQUIREMENT	-----	-----	LBS/DY	-----	-----	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB
EFFLUENT GROSS VALUE											

NAME/TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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.

Bradley J. Adams
SIGNATURE OF PRINCIPLE
EXECUTIVE OFFICER OR
AUTHORIZED AGENT

TELEPHONE

815 406-3700

AREA CODE

DATE

10 05 19

YEAR MONTH DAY

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

Per Special Condition 4C., the maximum allowable blowdown temperature calculation results are provided on the attachment

SEE ATTACHED

EPA Form 3320-1 (Rev 3/99)

SD

PAGE 1 OF 1

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

OCR0501

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MAJOR
(SUBR 01)
F - FINAL

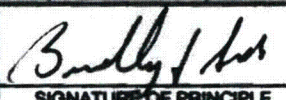
STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

MONITORING PERIOD									
YEAR	MONTH	DAY	YEAR	MONTH	DAY				
From: 1	0	0	4	0	1	To: 1	0	0	4
							3		0

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
PH	SAMPLE MEASUREMENT	---	---	---				(12)				
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	---	6.0 MINIMUM	---	9.0 MAXIMUM	SU		SEE PERMIT	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB	
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB	
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB	
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB	
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB	
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	---	---	(26)	---			(19)				
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	LBS/DY	---	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	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 PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
Bradley J. Adams	815	408-3700	10	05	19							
Plant Manager	AREA CODE	NUMBER	YEAR	MONTH	DAY							
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												
1. No Turbine building wastewater was discharged to the Stormwater Runoff Basin during the month. 2. This discharge point was not used this month.												

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

OCR0601

PERMITTEE NAME/ADDRESS

NAME Exelon Generation Co., LLC
ADDRESS 4300 Winfield Road
Warrenville, IL 60555

FACILITY Byron Nuclear Power Station
LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313
PERMIT NUMBER

002 0
DISCHARGE NUMBER

MONITORING PERIOD									
YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR	MONTH	DAY	YEAR
From: 1	0	0	4	0	1	To: 1	0	0	4

MAJOR
(SUBR 01)
F - FINAL
STORMWATER RUNOFF BASIN OVERFLOW
STORMWATER

*** NO DISCHARGE ☒ ***

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---	---	(26)	---	---	---	(19)			
	PERMIT REQUIREMENT	---	---	LBS/DY	---	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			(03)	---	---	---	---			
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	---	---	---	---		TWICE/MONTH	TOTALIZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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			
Bradley J. Adams						815	406-3700	10	05	19	
Plant Manager						AREA CODE	NUMBER	YEAR	MONTH	DAY	
TYPED OR PRINTED						SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT					

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