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
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441

www.exeloncorp.com

Exelon Nuclear

February 19, 2008

LTR: BYRON 2008-0013
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 January 1, 2008 through January 31, 2008

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

Respectfully,

David M. Hoots
Site Vice President
Byron Nuclear Generating Station

DMH/ZC/sdk

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 1	0 1	To:	0 8	0 1	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	2.3	2.3	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
David M. Hoots Site Vice President	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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3600	08	02	19
TYPED OR PRINTED			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 26 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.032	0.155	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
David M. Hoots Site Vice President 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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3600 NUMBER	08 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 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:	08	01	01	To:	08	01	31

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	0.50	0.66	(26)	———	5.1	6.6	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	———	———	—	7.41	———	7.62	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			—	6.0 MINIMUM		9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.23	0.35	(26)	———	2.4	3.5	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.007	0.012	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
David M. Hoots Site Vice President 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	AREA CODE 815	NUMBER 406-3600	YEAR 08	MONTH 02	DAY 19

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 1	0 1	To:	0 8	0 1	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	1.6	2.5	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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TYPED OR PRINTED			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 14 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	1.9	2.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.030	0.064	(03)	———	———	———	—	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
David M. Hoots Site Vice President *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	AREA CODE 815	NUMBER 406-3600	YEAR 08	MONTH 02	DAY 19

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D) 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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	———	———	(26)	———	< 0.4	< 0.5	(19)	0	240	CP
	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.022	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		TELEPHONE		DATE		
David M. Hoots Site Vice President 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	AREA CODE 815	NUMBER 406-3600	YEAR 08	MONTH 02	DAY 19

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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 1	0 1	To:	0 8	0 1	3 1

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

*** 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	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	4	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			TELEPHONE		DATE		
David M. Hoots Site Vice President 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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3600	08	02	19
			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 2 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 1	0 1	To:	0 8	0 1	3 1

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

*** 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)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	< 1.4	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.011	0.012	(03)	———	———	———	—	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
David M. Hoots Site Vice President 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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3600 NUMBER	08 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 60555

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	———	———	—	8.56	———	8.77	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	—	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.189	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	18.98	27.90	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	—		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.10	0.39	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
David M. Hoots Site Vice President 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	AREA CODE 815	NUMBER 406-3600	YEAR 08	MONTH 02	DAY 19

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

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

*** NO DISCHARGE [X] ***

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

David M. Hoots
Site Vice President
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		DATE		
815	406-3600	08	02	19
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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	01	31

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

*** NO DISCHARGE [X] ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	———	———	———	—			
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
David M. Hoots Site Vice President 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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3600	YEAR 08	MONTH 02	DAY 19

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 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
01/05/08	120	71.7
01/12/08	120	65.7
01/19/08	120	56.7
01/26/08	120	71.9

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 MOITORING:

There were no steam generator chemical cleaning solutions (or associated rinses) containing hydrazine discharge to the Cooling System Blowdown during the month of January 2008.

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 2008

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

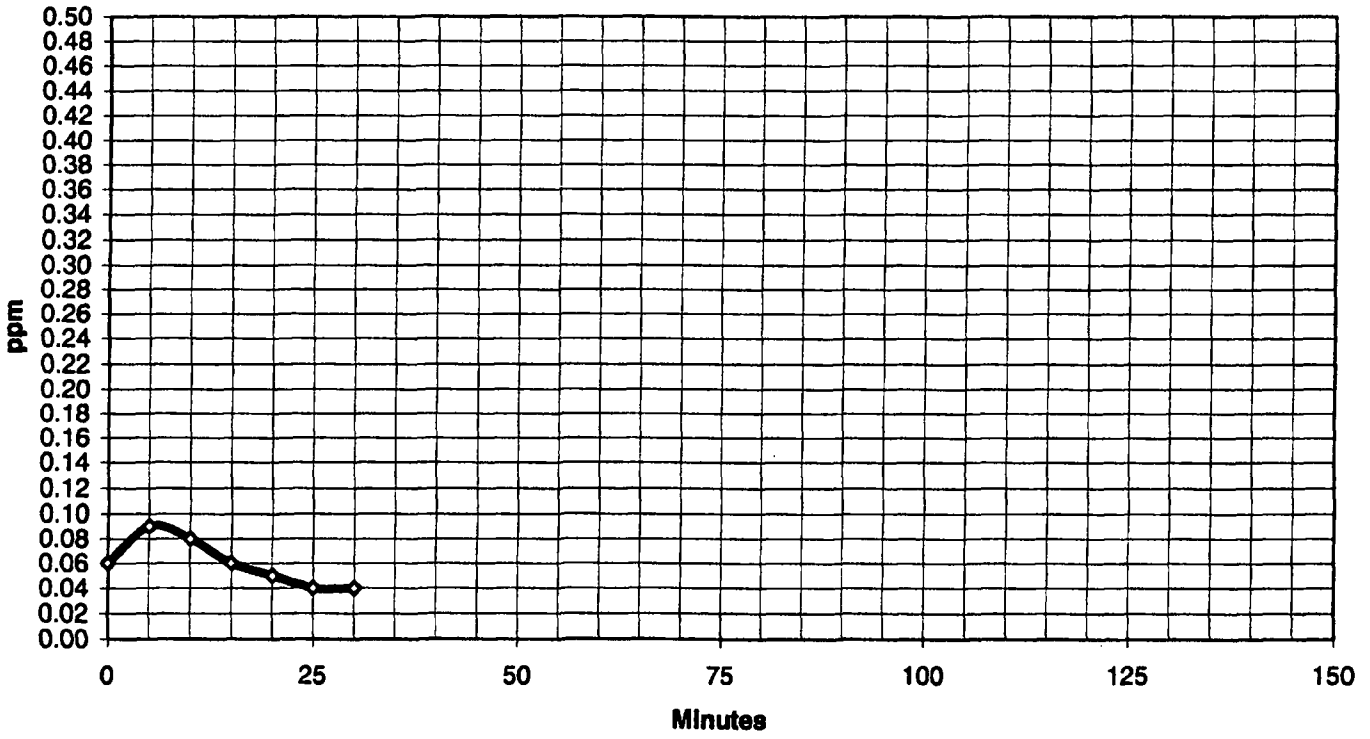
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
01/01/08	15	15	01/08/08	18	16
01/02/08	0	0	01/09/08	15	15
01/03/08	0	0	01/10/08	19	20
01/04/08	0	0	01/11/08	20	20
01/05/08	33	40	01/12/08	20	20
01/06/08	20	20	01/13/08	20	20
01/07/08	17	18			

HALOGEN DOSING CURVE

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

Date: 01/07/08 Analyzed by: J.D. Unit: 1
Time: 11:23 Reviewed by: D.M.

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

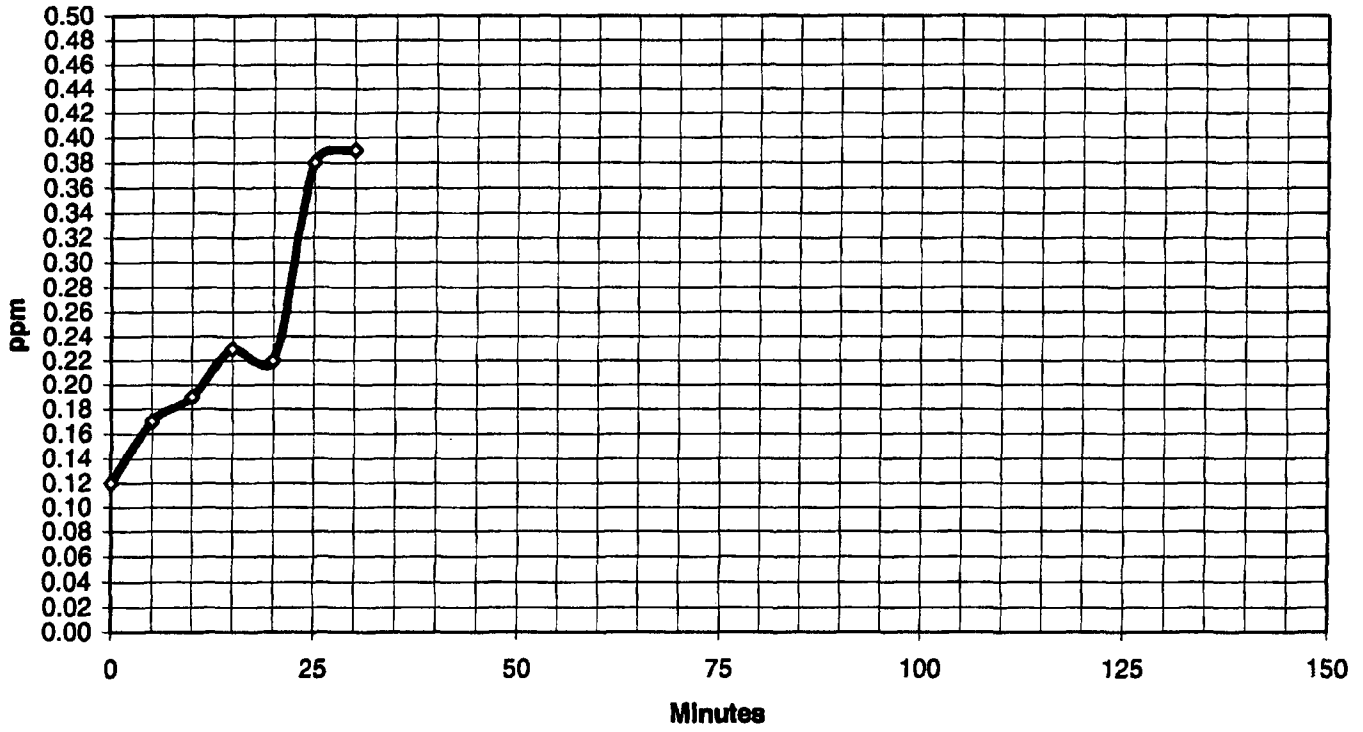
Date	Dosing Time (Minutes)	
	U-1	U-2
01/14/08	20	20
01/15/08	20	20
01/16/08	20	20
01/17/08	20	20
01/18/08	20	19
01/19/08	20	20
01/20/08	20	20

HALOGEN DOSING CURVE

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

Date: 01/14/08 Analyzed by: T. B. M. Unit: 2
Time: 11:21 Reviewed by: D.M.

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

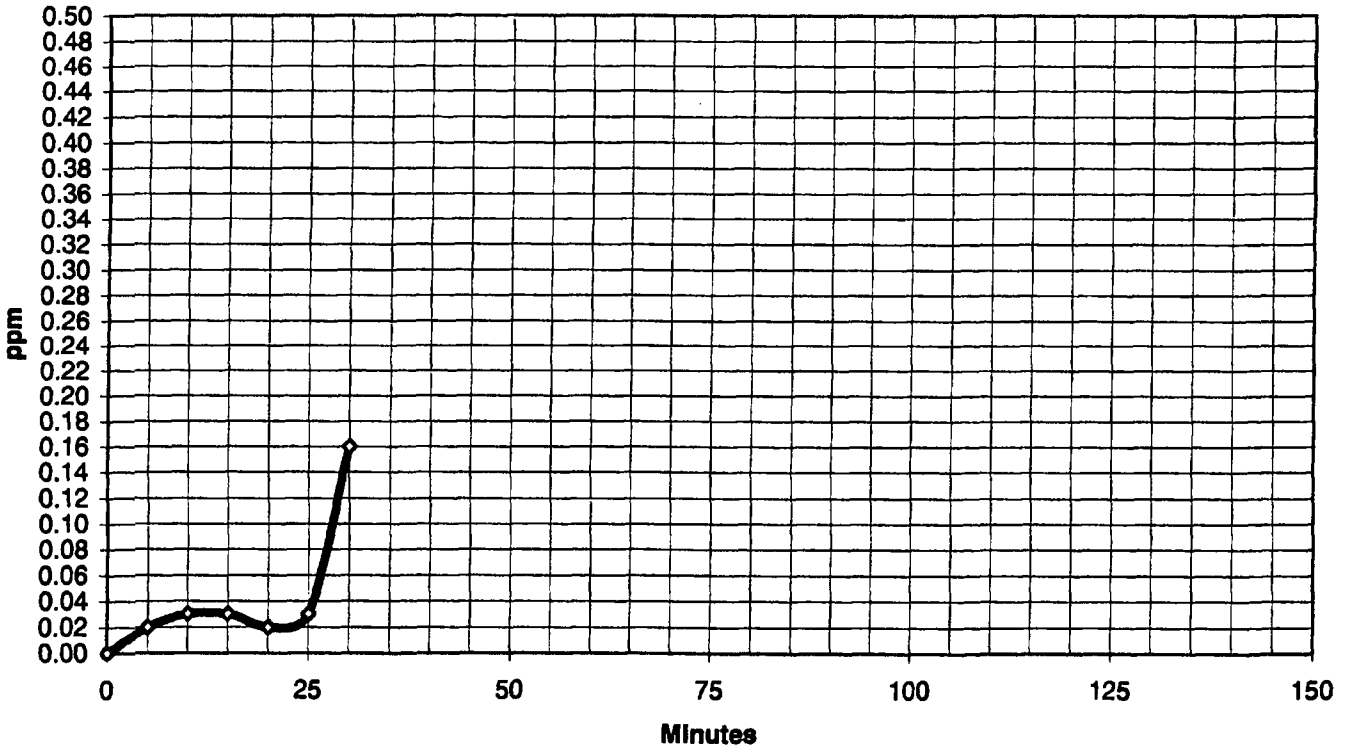
Date	Dosing Time (Minutes)	
	U-1	U-2
01/21/08	20	20
01/22/08	20	21
01/23/08	20	20
01/24/08	20	20
01/25/08	18	19
01/26/08	20	21
01/27/08	20	20

HALOGEN DOSING CURVE

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

Date: 01/22/08 Analyzed by: G. S. Unit: 1
Time: 10:29 Reviewed by: D. M.

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

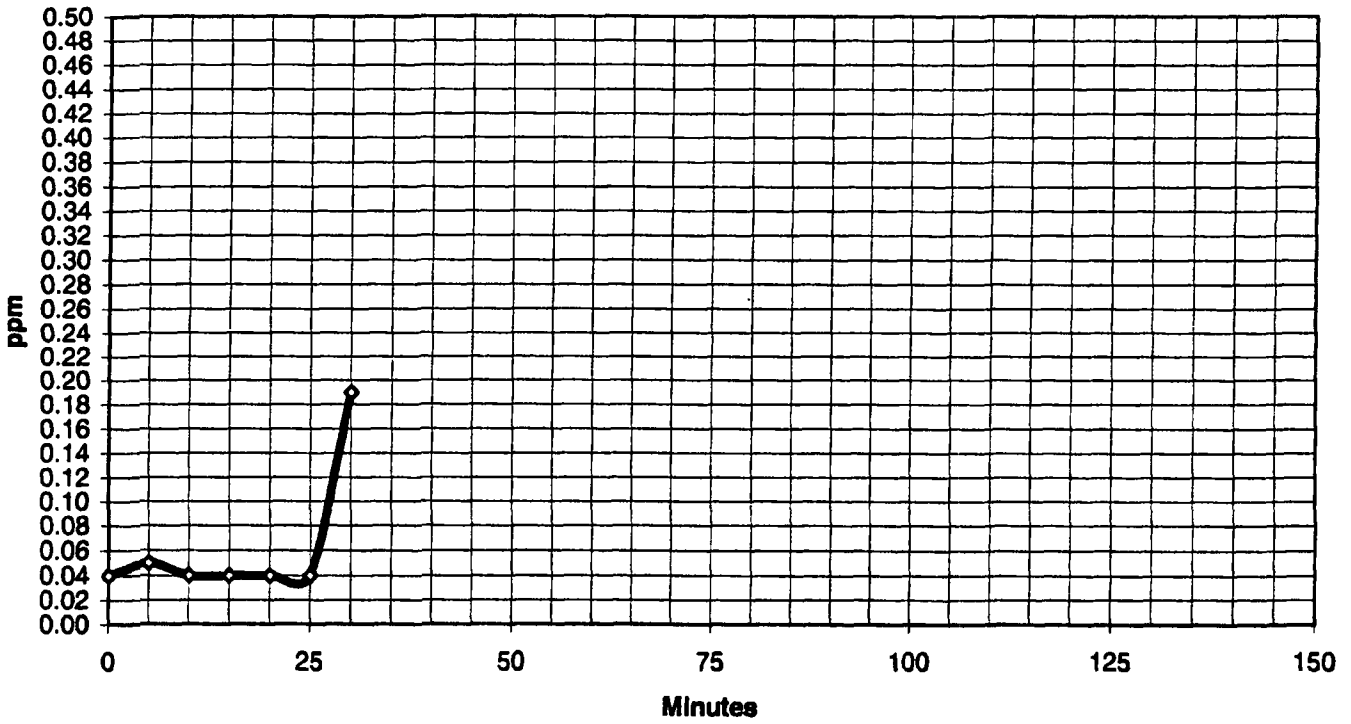
Date	Dosing Time (Minutes)	
	U-1	U-2
01/28/08	20	20
01/29/08	20	20
01/30/08	20	20
01/31/08	20	20

HALOGEN DOSING CURVE

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

Date: 01/28/08 Analyzed by: J.P. Unit: 2
Time: 13:00 Reviewed by: D. M.

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

Nuclear

March 17, 2008

LTR: BYRON 2008-0023
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, 2008 through February 29, 2008.

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

Respectfully,

Bradley Adams
Plant Manager
Byron Nuclear Generating Station

BA/ZC

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 2	0 1	To:	0 8	0 2	2 9

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	1.9	1.9	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley 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 Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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 20 of 29 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 2	0 1	To:	0 8	0 2	2 9

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.011	0.066	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley Adams Plant Manager	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 Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	03	17
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 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:	0 8	0 2	0 1	To:	0 8	0 2	2 9

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)	SAMPLE MEASUREMENT	<0.34	<0.50	(26)	---	<4.4	<6.6	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	---	---	-----	6.84	---	7.47	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---	---	-----	6.0 MINIMUM	---	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.093	0.11	(26)	---	1.2	1.4	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.007	0.015	(03)	---	---	---	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley 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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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

1. Flow existed through this outfall 29 of 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---------	---------	(26)	---------	1.6	3.0	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---------	---------	LBS/DY	---------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	---------	---------	(26)	---------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---------	---------	LBS/DY	---------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley 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 Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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 18 of 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<1.7	2.2	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.032	0.056	(03)	----------	----------	----------	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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

Bradley 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 V Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	03	17

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	---------	---------	(26)	---------	<0.6	0.9	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---------	---------	LBS/DY	---------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	---------	---------	(26)	---------	<2.1	3.3	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	---------	---------	LBS/DY	---------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.022	(03)	---------	---------	---------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley Adams Plant Manager	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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	03	17
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 4 of 29 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

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

*** 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	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			TELEPHONE		DATE		
Bradley 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 Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	08 YEAR	03 MONTH	17 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 7 of 29 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 2	0 1	To:	0 8	0 2	2 9

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<1.5	1.6	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.134	0.677	(03)	-------	----------	----------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley 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 evalute 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 imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 03	DAY 17

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 2	0 1	To:	0 8	0 2	2 9

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	----------	----------	-----	8.72	----------	8.95	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	-----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.086	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	18.76	23.80	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	----------	----------	----------	-----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	----------	----------	(26)	----------	0.04	0.09	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley 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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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

ATTACHMENT TO
COOLING SYSTEM BLOWDOWN LINE (Outfall 001)
DISCHARGE MONITORING REPORT
For Exelon Byron Station
Permit IL0048313
February 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
02/02/08	120	68.9
02/09/08	120	68.7
02/16/08	120	73.5
02/23/08	120	67.1

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 discharge to the Cooling System Blowdown during the month of February 2008.

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 2008

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 29 of 29 days.

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
Bradley 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 evalute 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 imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	02	01	To:	08	02	29

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

*** NO DISCHARGE [X] ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	----------	----------	----------	-----			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley 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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	03	17

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

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
02/01/08	20	20	02/08/08	50	22
02/02/08	18	18	02/09/08	50	55
02/03/08	18	17	02/10/08	20	20
02/04/08	20	20			
02/05/08	20	20			
02/06/08	20	20			
02/07/08	20	20			

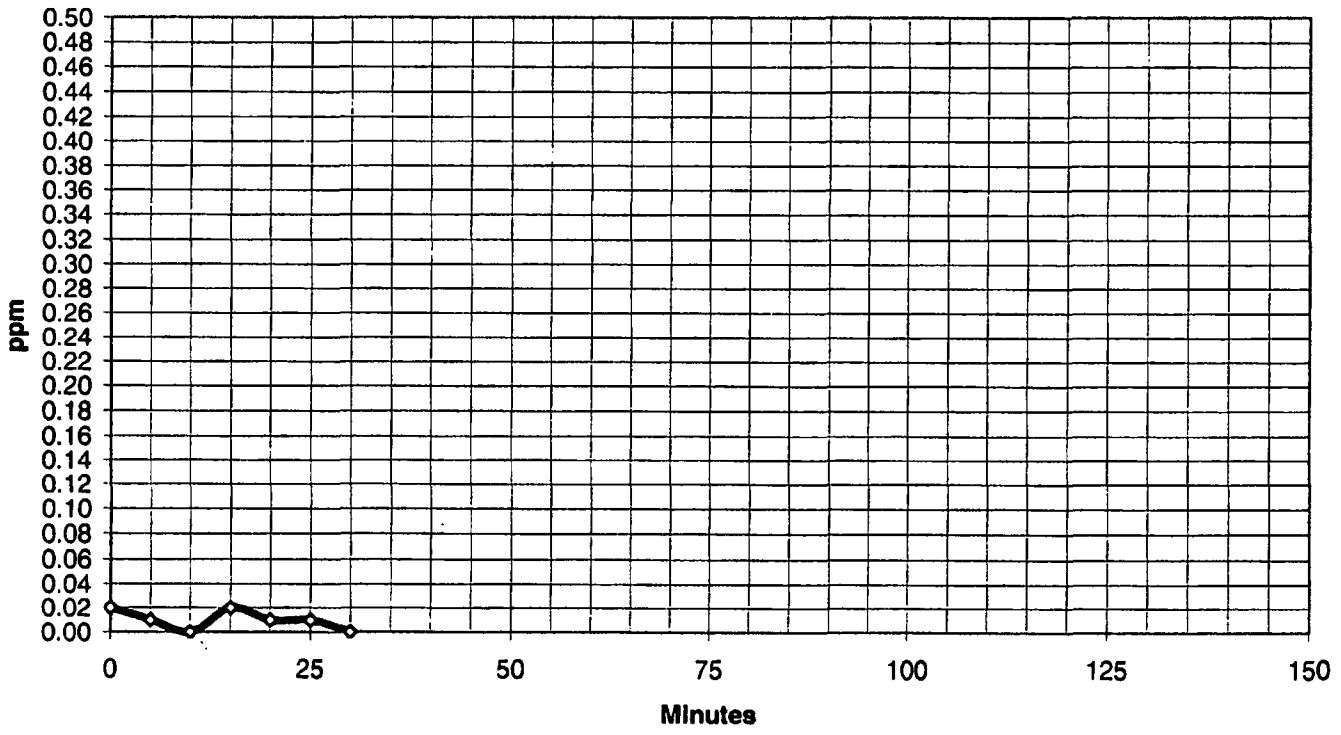
==========

HALOGEN DOSING CURVE

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

Date: 02/04/08 Analyzed by: D.B. Unit: 1
Time: 14:07 Reviewed by: D.M.

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

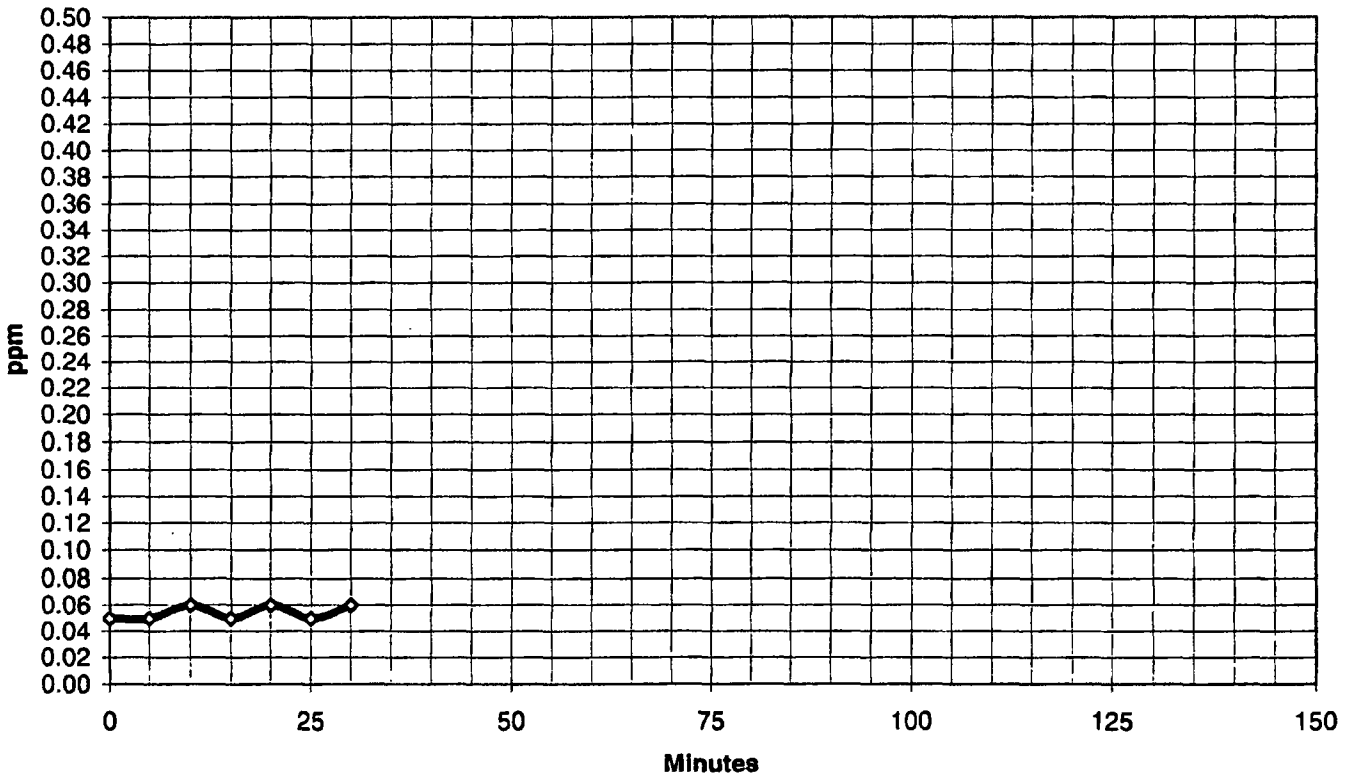
Date	Dosing Time (Minutes)	
	U-1	U-2
02/11/08	15	22
02/12/08	20	20
02/13/08	20	20
02/14/08	20	20
02/15/08	20	20
02/16/08	20	20
02/17/08	20	20

HALOGEN DOSING CURVE

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

Date: 02/12/08 Analyzed by: M. P. Unit: 2
Time: 12:50 Reviewed by: D. M.

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
02/18/08	20	20
02/19/08	20	20
02/20/08	20	20
02/21/08	20	20
02/22/08	20	20
02/23/08	20	20
02/24/08	20	20

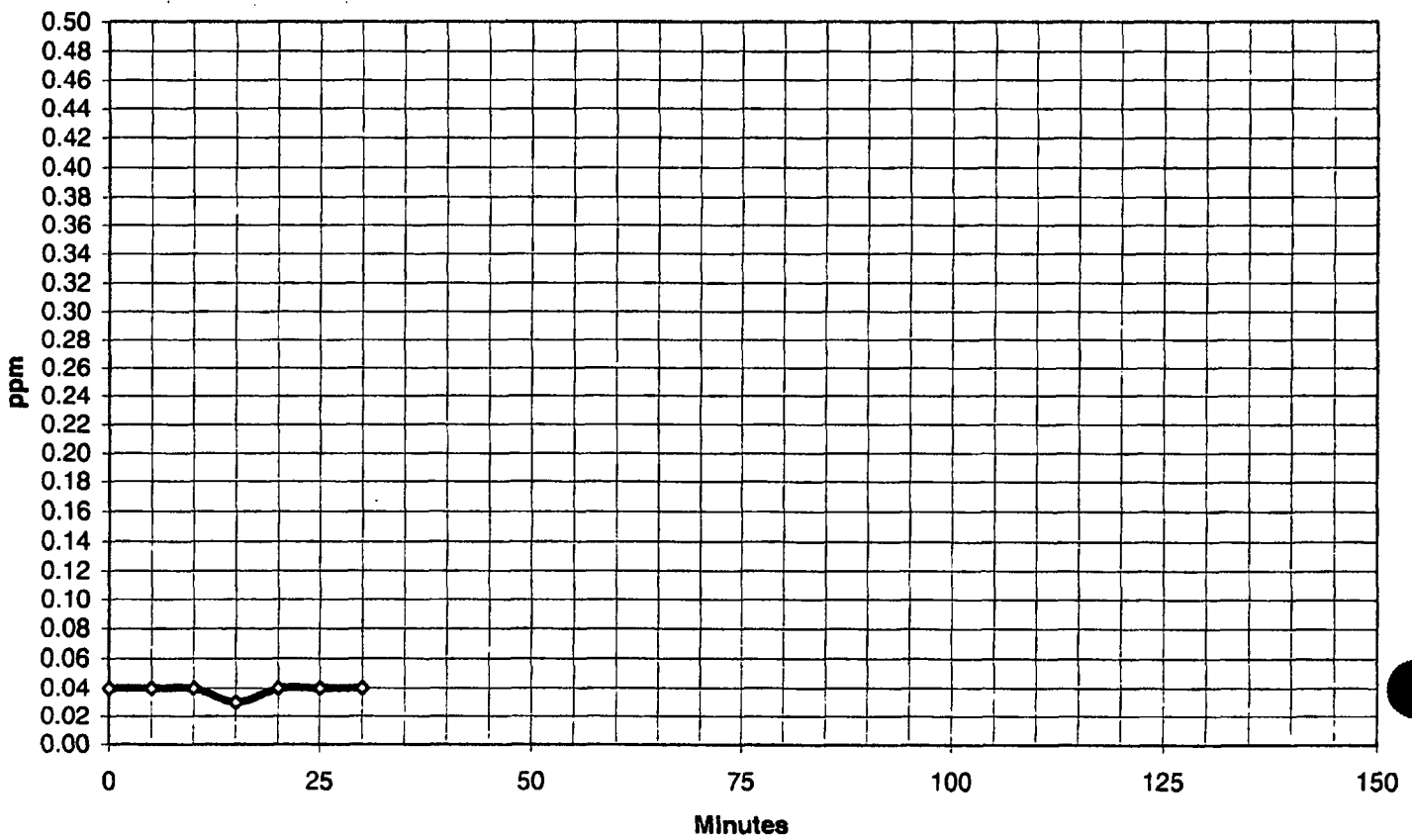
==========

HALOGEN DOSING CURVE

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

Date: 02/20/08 Analyzed by: S.C. Unit: 1
Time: 09:51 Reviewed by: D. M.

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
02/25/08	20	20
02/26/08	20	20
02/27/08	20	21
02/28/08	20	20
02/29/08	18	30

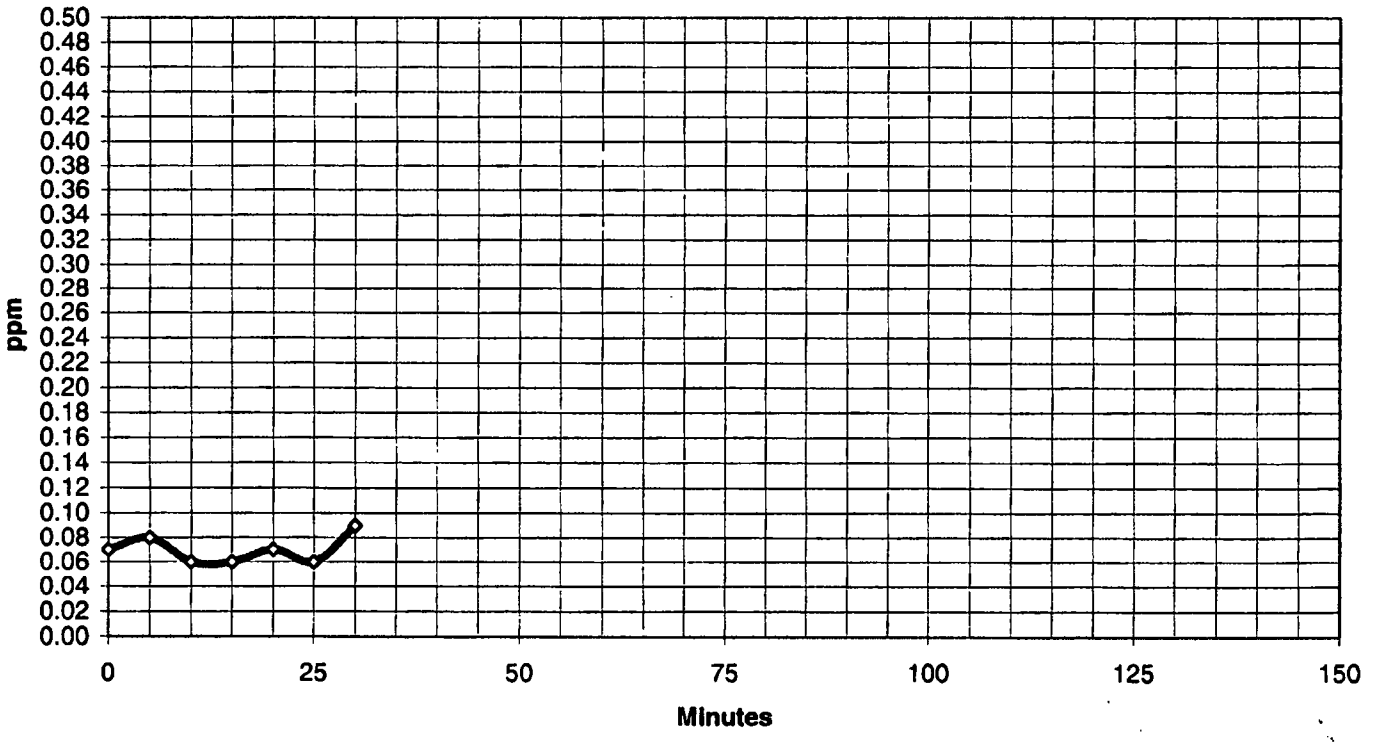
==========

HALOGEN DOSING CURVE

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

Date: 02/26/08 Analyzed by: M. K. Unit: 2
Time: 08:25 Reviewed by: D. M.

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

Exelon Nuclear

April 18, 2008

LTR: BYRON 2008-0037
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, 2008 through March 31, 2008.

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

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	1.3	1.3	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	04	18
TYPED OR PRINTED			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 26 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	-------	1.0 30 DAY AVG.	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.021	0.181	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	04	18
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 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:	0 8	0 3	0 1	To:	0 8	0 3	3 1

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	<0.26	0.33	(26)	----------	<2.5	3.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	----------	----------	----	7.16	----------	7.39	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.12	0.18	(26)	----------	1.2	1.7	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.010	0.015	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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	406-3700	08	04	18
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	2.2	5.0	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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.	815	406-3700	08	04	18
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	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 20 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	---------	---------	(26)	---------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	---------	---------	(26)	---------	<2.9	5.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.031	0.055	(03)	———	---------	---------	-----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	04	18

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	03	01	To:	08	03	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
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	MG/L		WEEKLY	COMPOS
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<1.8	3.4	(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	0.026	0.046	(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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	04	18
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 15 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	03	01	To:	08	03	31

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

*** 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	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		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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.	815	406-3700	08	04	18
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	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 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	03	01	To:	08	03	31

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG.	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<1.7	1.9	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.268	0.484	(03)	----------	----------	----------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 04	DAY 18

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	03	01	To:	08	03	31

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	-------	-------	----	8.62	-------	8.84	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.131	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	18.57	26.30	(03)	-------	-------	-------	-----	0	135	CN
50050 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	0.32	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Bradley J. Adams Plant Manager TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 04	DAY 18

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.

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

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

*** NO DISCHARGE [X] ***

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		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 04	DAY 18

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 3	0 1	To:	0 8	0 3	3 1

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	----------	----------	----------	-----			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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	815 AREA CODE	406-3700 NUMBER	08 YEAR	04 MONTH	18 DAY

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 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
03/01/08	120	68.2
03/08/08	120	65.0
03/15/08	120	65.1
03/22/08	120	63.4
03/30/08	120	69.7

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 discharge to the Cooling System Blowdown during the month of March 2008.

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 2008

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

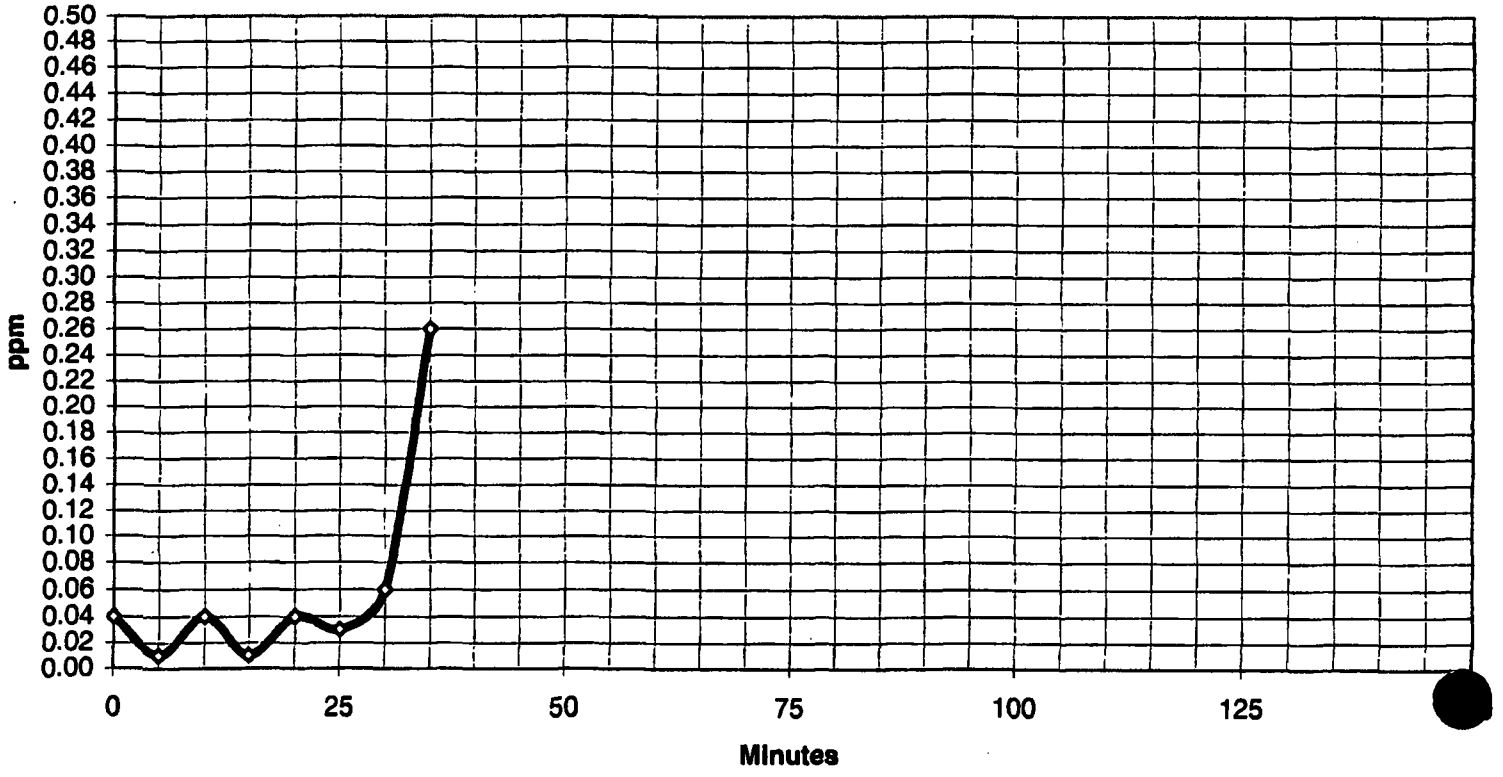
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
03/01/08	17	20	03/08/08	22	24
03/02/08	19	19	03/09/08	25	25
03/03/08	25	25			
03/04/08	25	25			
03/05/08	25	25			
03/06/08	25	25			
03/07/08	26	25			

HALOGEN DOSING CURVE

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

Date: 03/04/08 Analyzed by: D.C.A. Unit: 1
Time: 10:40 Reviewed by: D.M.

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

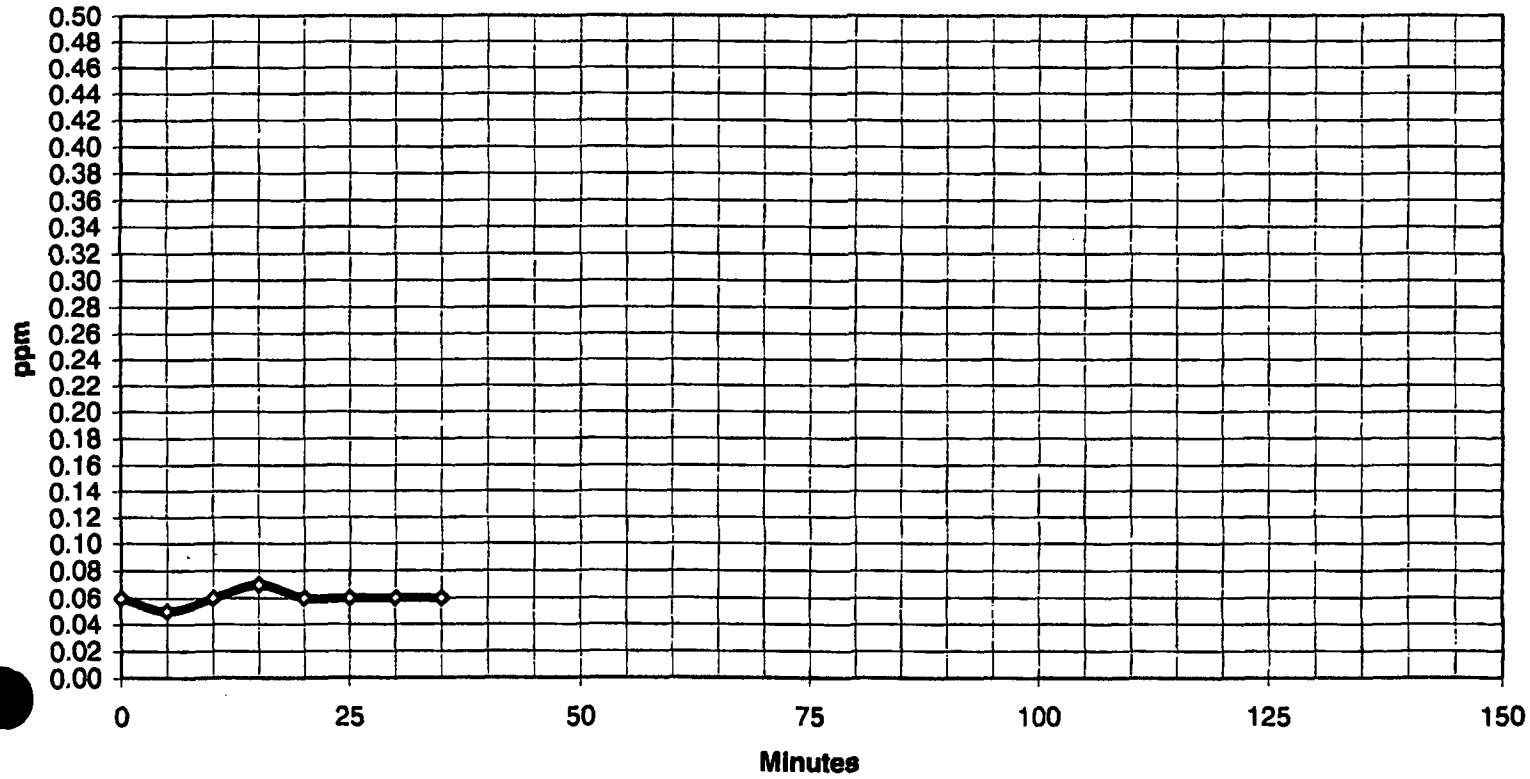
Date	Dosing Time (Minutes)	
	U-1	U-2
03/10/08	25	25
03/11/08	25	25
03/12/08	25	25
03/13/08	25	25
03/14/08	26	24
03/15/08	23	25
03/16/08	19	20

HALOGEN DOSING CURVE

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

Date: 03/10/08 Analyzed by: D. L. Unit: 2
Time: 10:33 Reviewed by: D.M.

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

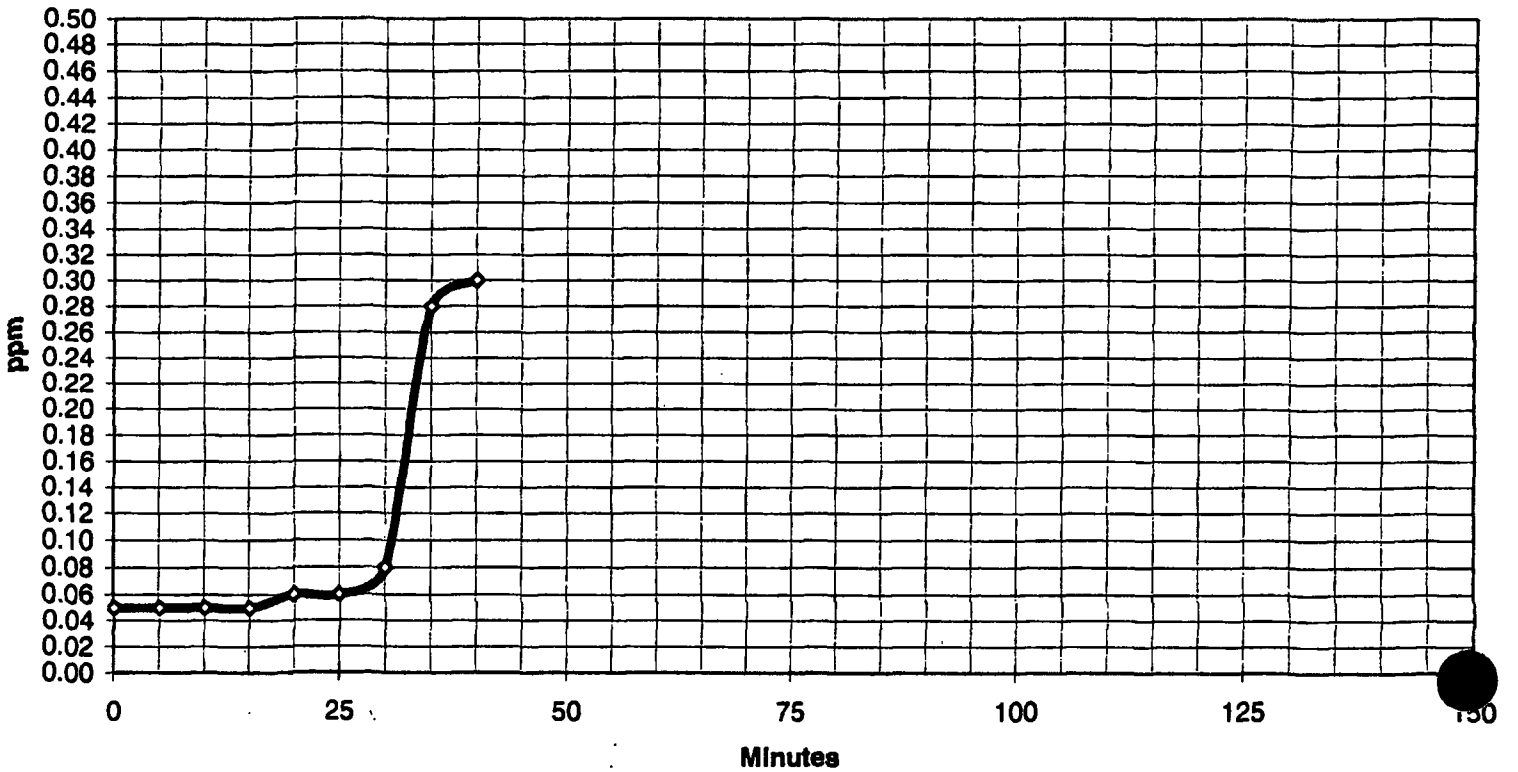
Date	Dosing Time (Minutes)	
	U-1	U-2
03/17/08	30	30
03/18/08	30	30
03/19/08	26	26
03/20/08	30	30
03/21/08	30	30
03/22/08	30	30
03/23/08	30	30

HALOGEN DOSING CURVE

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

Date: 03/17/08 Analyzed by: D.C.A. Unit: 1
Time: 10:49 Reviewed by: D.M.

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

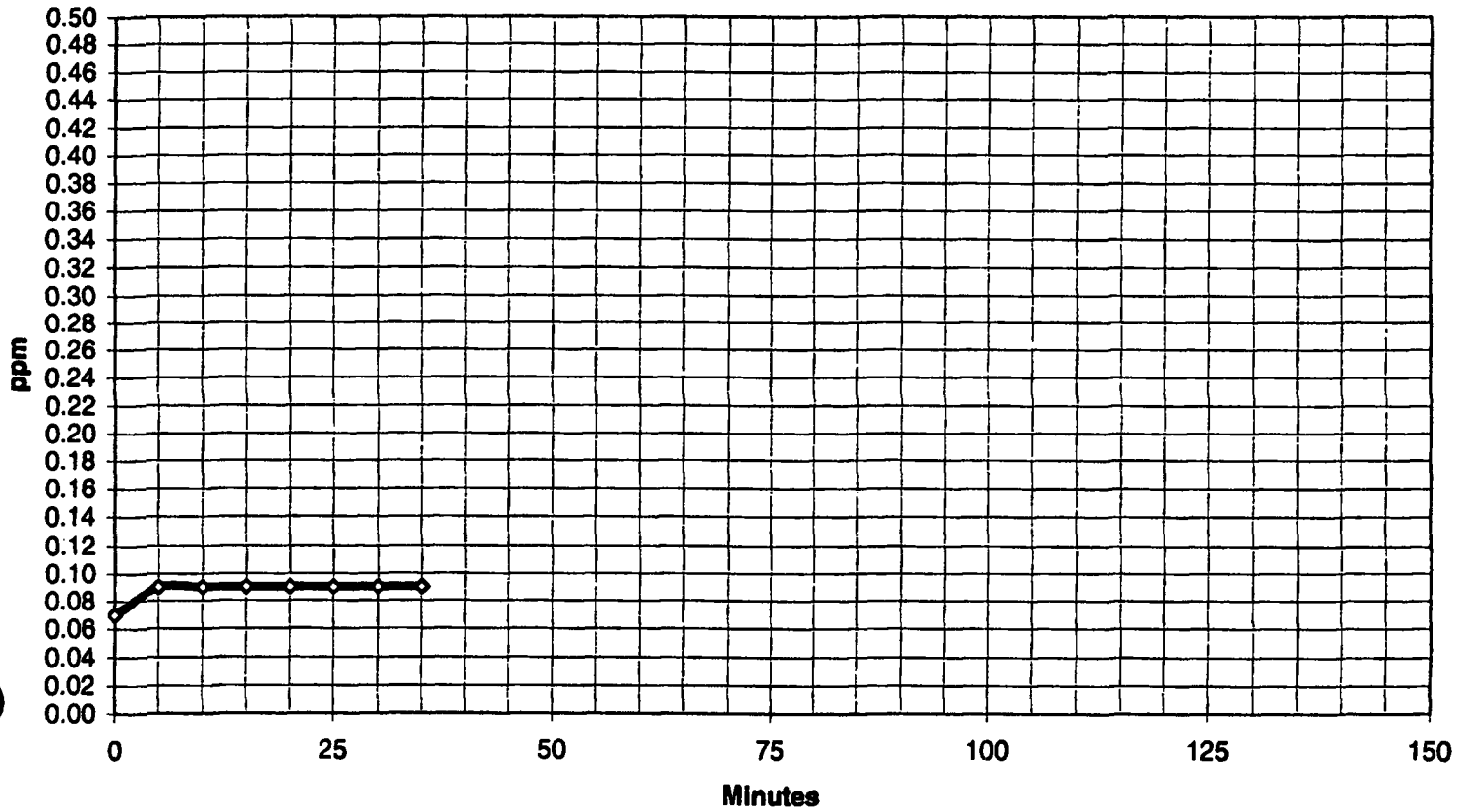
Date	Dosing Time (Minutes)	
	U-1	U-2
03/24/08	25	24
03/25/08	BIR15	25
03/26/08	BIR15	27
03/27/08	BIR15	30
03/28/08	BIR15	30
03/29/08	BIR15	30
03/30/08	BIR15	30

HALOGEN DOSING CURVE

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

Date: 03/24/08 Analyzed by: D.C.A. Unit: 2
Time: 11:55 Reviewed by: D.M.

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

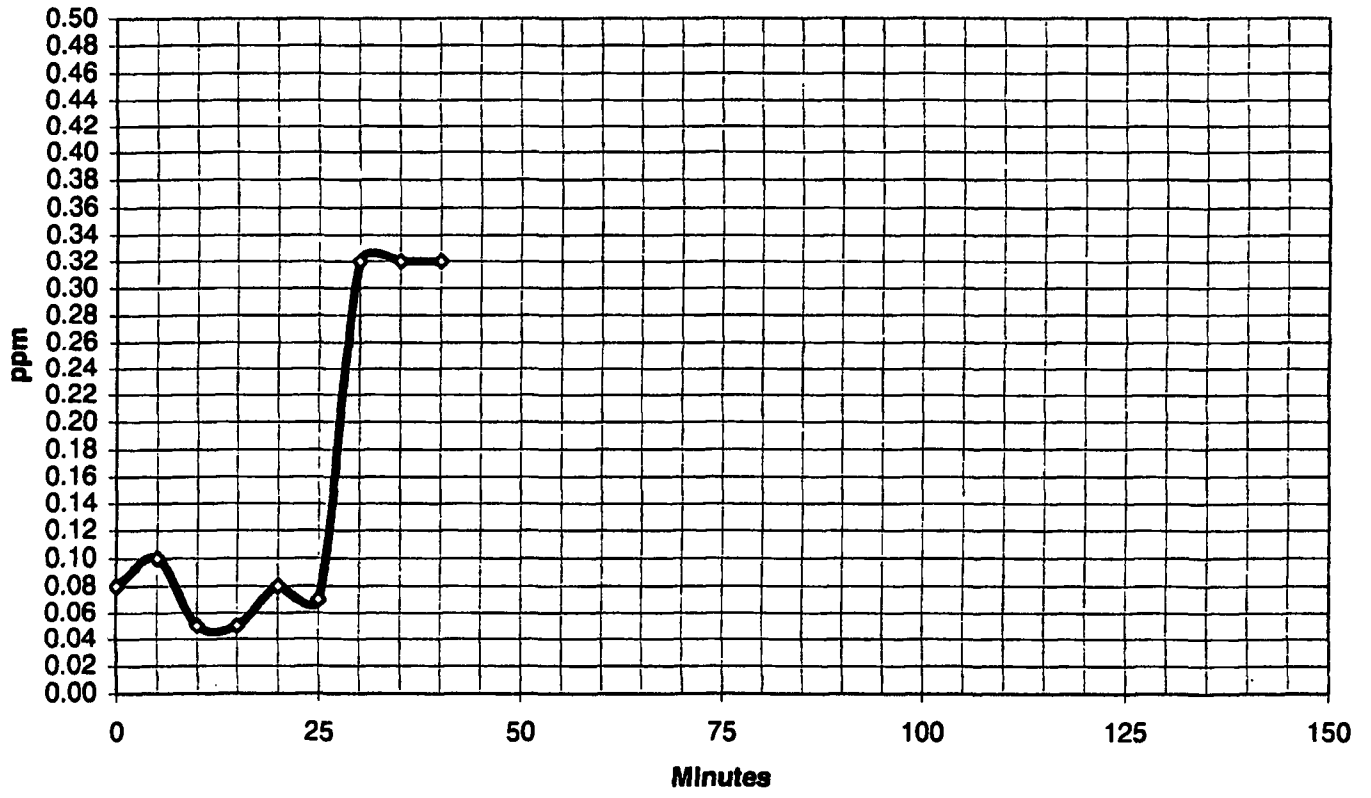
Date	Dosing Time (Minutes)	
	U-1	U-2
03/31/08	B1R15	26

HALOGEN DOSING CURVE

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

Date: 03/31/08 Analyzed by: D.C.A. Unit: 2
Time: 12:16 Reviewed by: D.M.

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
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441

www.exeloncorp.com

Exelon Nuclear

May 19, 2008

LTR: BYRON 2008-0047
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 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, 2008 through April 30, 2008.

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 Generation Station

BJA\ZC\sdk

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron Station

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	<1.3	<1.3	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisonment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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 29 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.035	0.134	(03)	———	———	———	———	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	05	19

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

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:	08	04	01	To:	08	04	30

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)	SAMPLE MEASUREMENT	0.66	0.78	(26)	———	8.7	9.4	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	———	———	—	7.42	———	7.79	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	—	6.0 MINIMUM	———	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	< 0.28	0.52	(26)	———	<3.3	6.2	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.009	0.015	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possibilty of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	05	19

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	3.1	7.3	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	05	19

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 19 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	<2.6	4.8	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.036	0.054	(03)	———	———	———	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD				—		DAILY	TOTAL IZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	<0.6	0.7	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	<1.4	<1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.025	0.046	(03)	———	———	———	——	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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

1. Flow existed through this outfall 8 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

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

*** 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	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

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

*** 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)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	<1.4	<1.4	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.353	0.920	(03)	———	———	———	———	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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 evalute 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 possibilty of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

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	———	———	———	8.64	———	8.79	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	———	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.011	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.117	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	17.14	25.28	(03)	———	———	———	———	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	———		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.10	0.37	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	08 YEAR	05 MONTH	19 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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 4	0 1	To:	0 8	0 4	3 0

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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 evalute 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 possibilty of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	05	19

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	04	01	To:	08	04	30

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

*** NO DISCHARGE [X] ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	———	———	———	—			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 05	DAY 19

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
April 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
04/05/08	120	77.1
04/12/08	120	71.0
04/19/08	120	80.9
04/26/08	120	76.3

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 April 2008.

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
April 2008

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
04/01/08	0	30	04/08/08	30	30
04/02/08	0	30	04/09/08	26	24
04/03/08	0	30	04/10/08	30	30
04/04/08	0	23	04/11/08	30	30
04/05/08	0	23	04/12/08	28	26
04/06/08	0	30	04/13/08	25	25
04/07/08	0	25			

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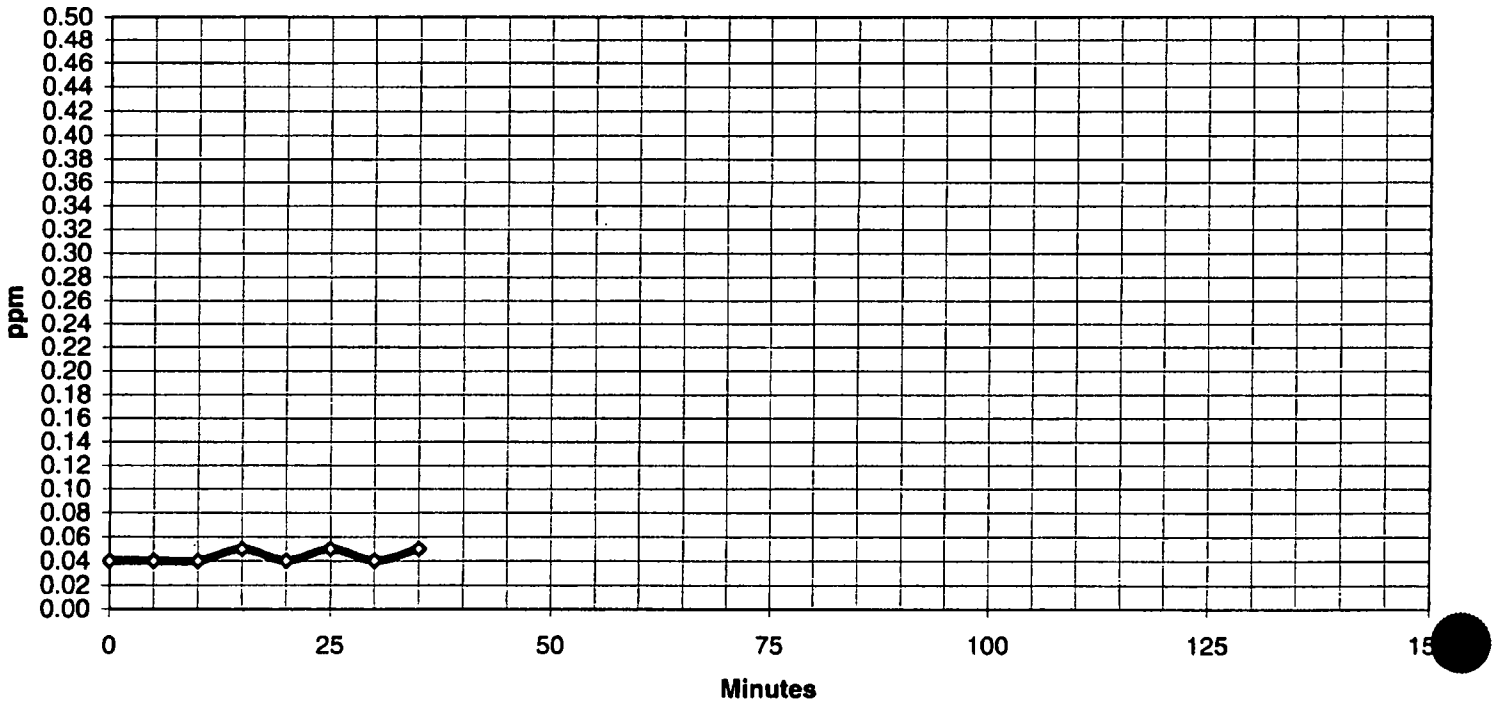
HALOGEN DOSING CURVE

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

Date: 04/07/08 Analyzed by: D.C.A. Unit: 2
Time: 11:25 Reviewed by: D.M.

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

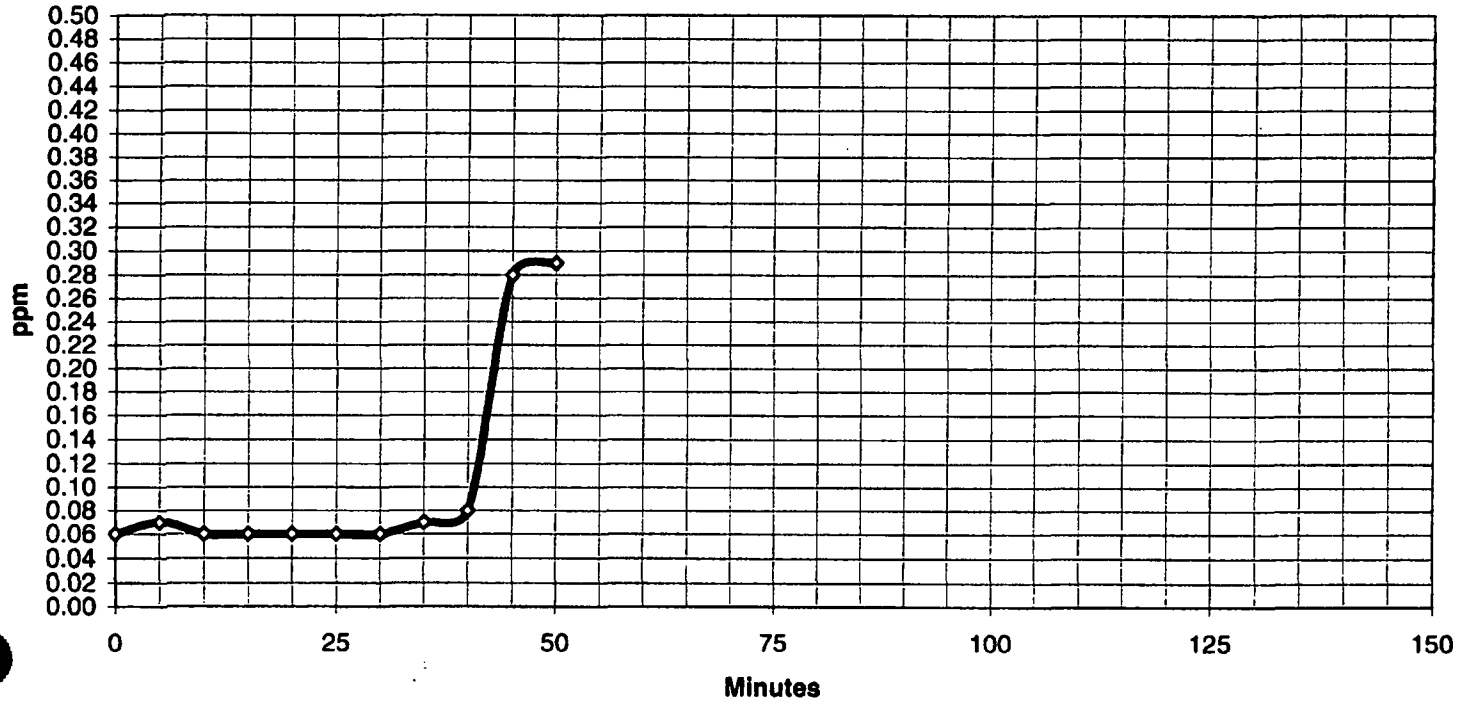
Date	Dosing Time (Minutes)	
	U-1	U-2
04/14/08	30	30
04/15/08	31	32
04/16/08	27	30
04/17/08	28	25
04/18/08	27	28
04/19/08	30	28
04/20/08	27	30

HALOGEN DOSING CURVE

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

Date: 04/15/08 Analyzed by: D.B. Unit: 1
Time: 11:46 Reviewed by: D.M.

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

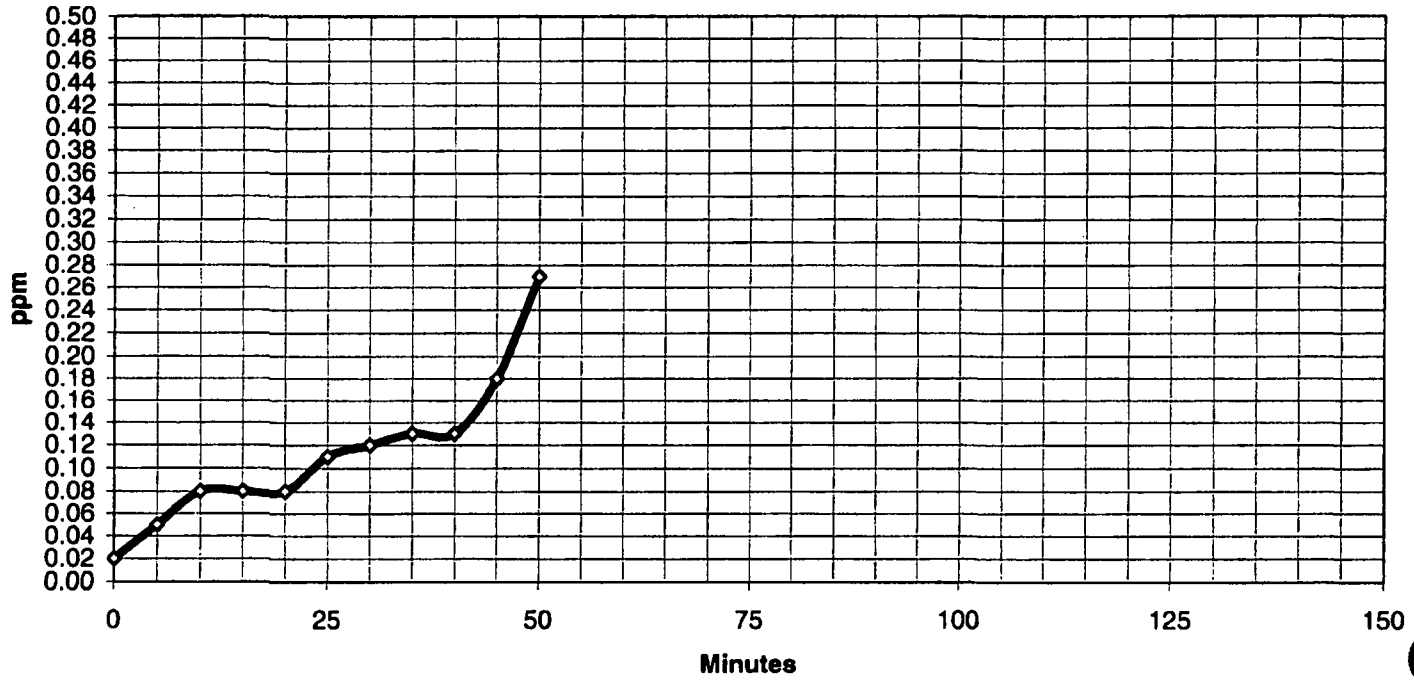
Date	Dosing Time (Minutes)	
	U-1	U-2
04/21/08	40	40
04/22/08	40	40
04/23/08	30	35
04/24/08	25	30
04/25/08	30	35
04/26/08	40	40
04/27/08	40	40

HALOGEN DOSING CURVE

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

Date: 04/22/08 Analyzed by: T.M. Unit: 2
Time: 11:42 Reviewed by: D.M.

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
04/28/08	40	40
04/29/08	40	40
04/30/08	40	43

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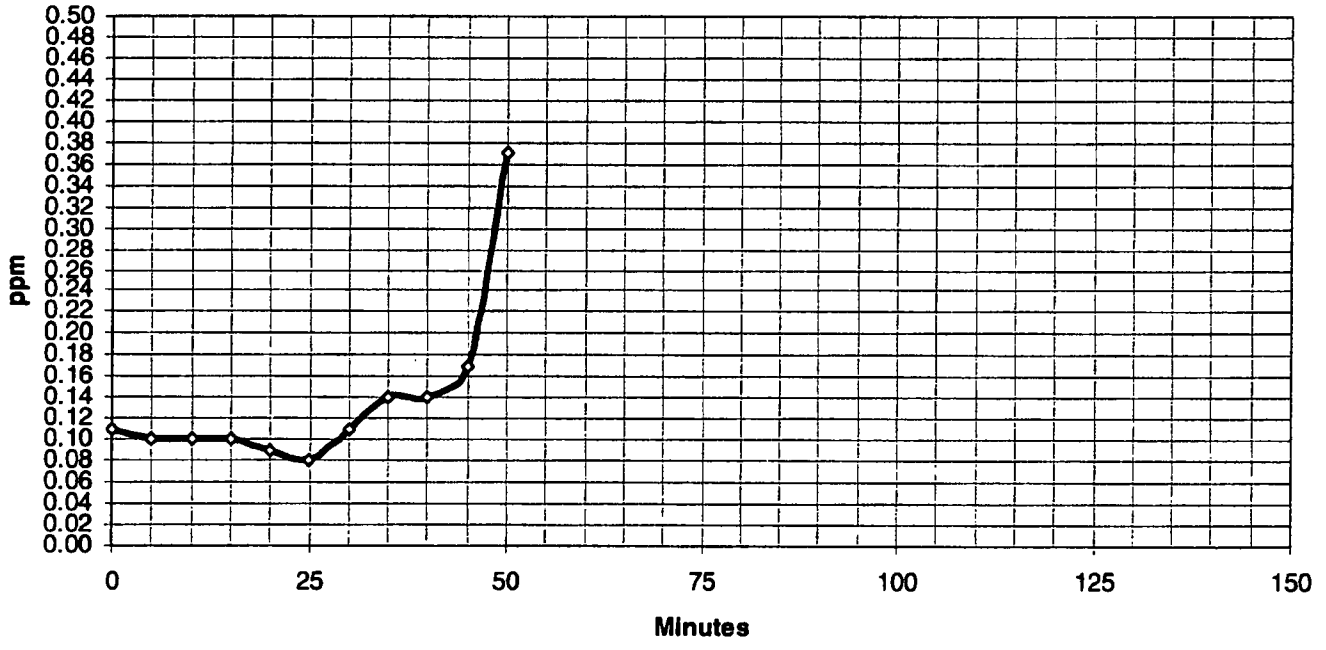
HALOGEN DOSING CURVE

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

Date: 04/28/08 Analyzed by: T.M. Unit: 1
Time: 09:55 Reviewed by: D.M.

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
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441

www.exeloncorp.com

Exelon Nuclear

June 19, 2008

LTR: BYRON 2008-0056
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 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 May 1, 2008 through May 31, 2008.

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 Generation Station

BJA\ZC

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron Station

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<0.6	<0.6	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	06	19
TYPED OR PRINTED			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 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.034	0.116	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

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 evalute 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 possiblity of fine and imprisionment for knowing violations.

Bradley J. Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
815	406-3700		08	06	19
AREA CODE	NUMBER		YEAR	MONTH	DAY

6-12-08

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

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:	0 8	0 5	0 1	To:	0 8	0 5	3 1

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)	SAMPLE MEASUREMENT	0.20	0.22	(26)	-------	3.9	4.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	----	7.28	-------	7.73	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.07	0.07	(26)	-------	1.4	1.7	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.009	(03)	-------	-------	-------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		6-12-08 DATE		
815	406-3700	08	06	19
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. Flow existed through this outfall 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	<1.6	2.8	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 imprisionment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	6-12-08 YEAR	06 MONTH	19 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 16 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	---------	---------	(26)	---------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG.	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	---------	---------	(26)	---------	<1.6	2.0	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG.	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.030	0.054	(03)	---------	---------	---------	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	06	19
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	1.5	1.8	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<5.9	10.6	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.021	0.023	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 Adam

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE				
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	06	19

6-12-08 DATE

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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 5	0 1	To:	0 8	0 5	3 1

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

*** 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	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

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	06	19

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 8 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 5	0 1	To:	0 8	0 5	3 1

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG.	2.0 DAILY MAX.	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG.	2.0 DAILY MAX.	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	<2.1	2.8	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.135	0.360	(03)	----------	----------	----------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	815	406-3700	6-12-08		
			AREA CODE	NUMBER	YEAR	MONTH	DAY
					08	06	19

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

FACILITY Byron Nuclear Power Station

LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

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	-------	-------	----	8.67	-------	8.77	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.011	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.023	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21.11	28.46	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-------	-------	-------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.10	0.46	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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	815	406-3700	08	06	19
			AREA CODE	NUMBER	YEAR	MONTH	DAY

6-12-08

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	05	01	To:	08	05	31

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 possiblity of fine and imprisonment for knowing violations.	Bradley J Adams	815	406-3700	08	06	19
TYPED OR PRINTED		SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR		MONTH		DAY			YEAR		MONTH		DAY	
From:	0	8	0	5	0	1	To:	0	8	0	5	3	1

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	06	19

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
May 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
05/03/08	120	78.6
05/10/08	120	79.9
05/18/08	120	78.4
05/25/08	120	89.1

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 May 2008.

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
May 2008

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

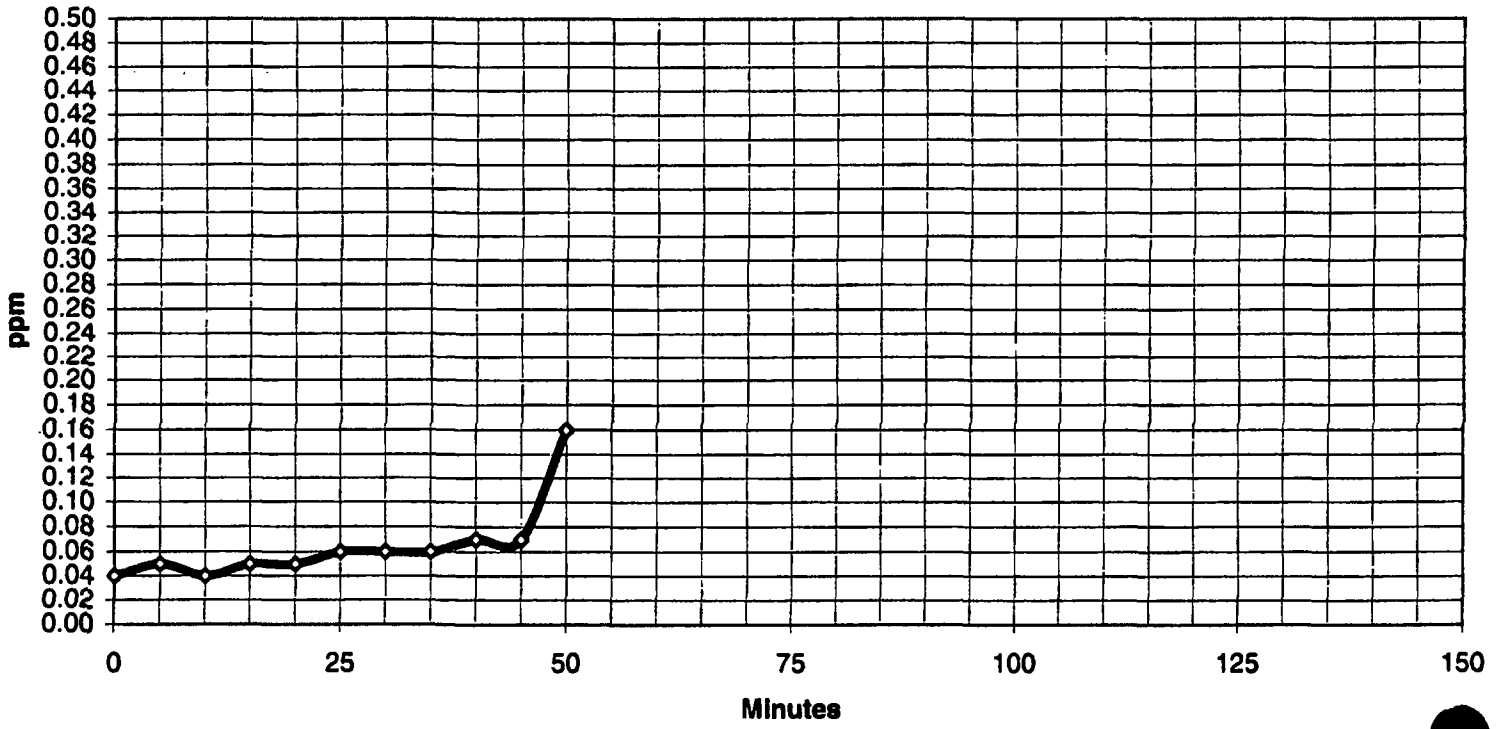
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
05/01/08	35	38	05/08/08	55	49
05/02/08	31	32	05/09/08	50	50
05/03/08	32	30	05/10/08	50	50
05/04/08	32	29	05/11/08	50	50
05/05/08	40	40			
05/06/08	40	40			
05/07/08	40	40			

HALOGEN DOSING CURVE

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

Date: 05/05/08 Analyzed by: J.E.D. Unit: 2
Time: 11:53 Reviewed by: D.M.

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

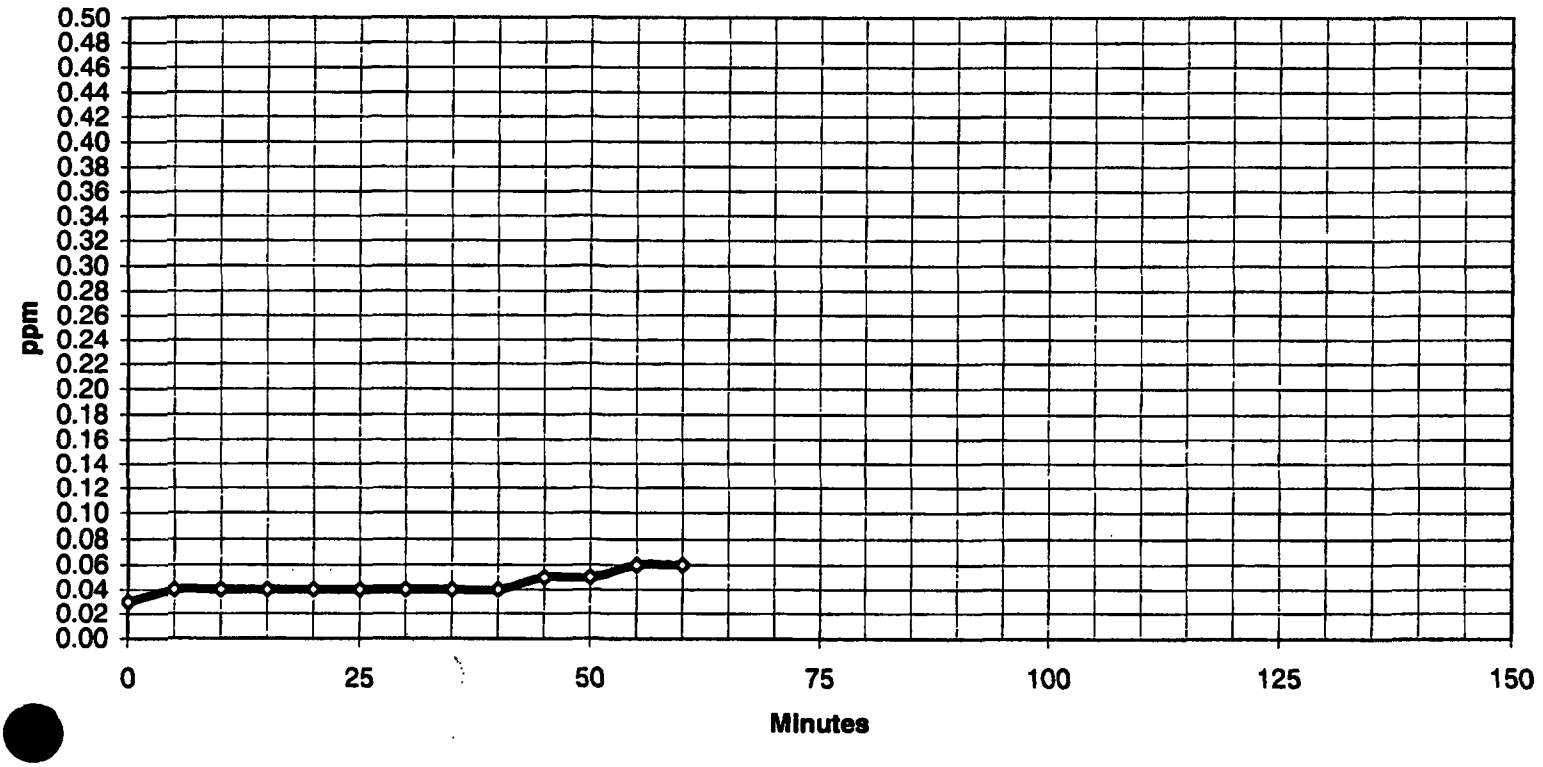
Date	Dosing Time (Minutes)	
	U-1	U-2
05/12/08	50	50
05/13/08	50	50
05/14/08	50	50
05/15/08	50	50
05/16/08	40	45
05/17/08	50	51
05/18/08	42	42

HALOGEN DOSING CURVE

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

Date: 05/13/08 Analyzed by: M.H. Unit: 1
Time: 10:19 Reviewed by: D. M.

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

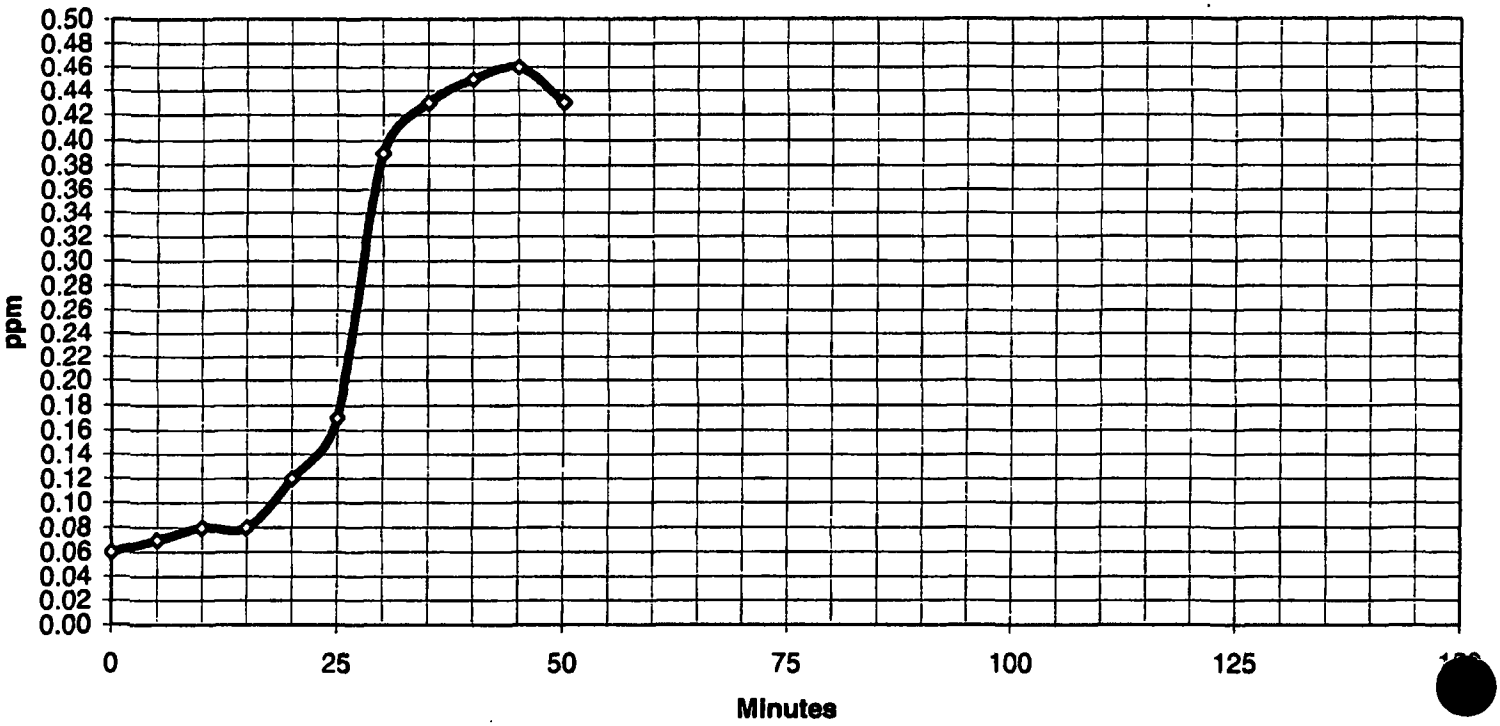
Date	Dosing Time (Minutes)	
	U-1	U-2
05/19/08	41	39
05/20/08	37	40
05/21/08	38	40
05/22/08	35	36
05/23/08	40	35
05/24/08	40	40
05/25/08	36	36

HALOGEN DOSING CURVE

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

Date: 05/19/08 Analyzed by: J.P. Unit: 2
Time: 10:50 Reviewed by: D. M.

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

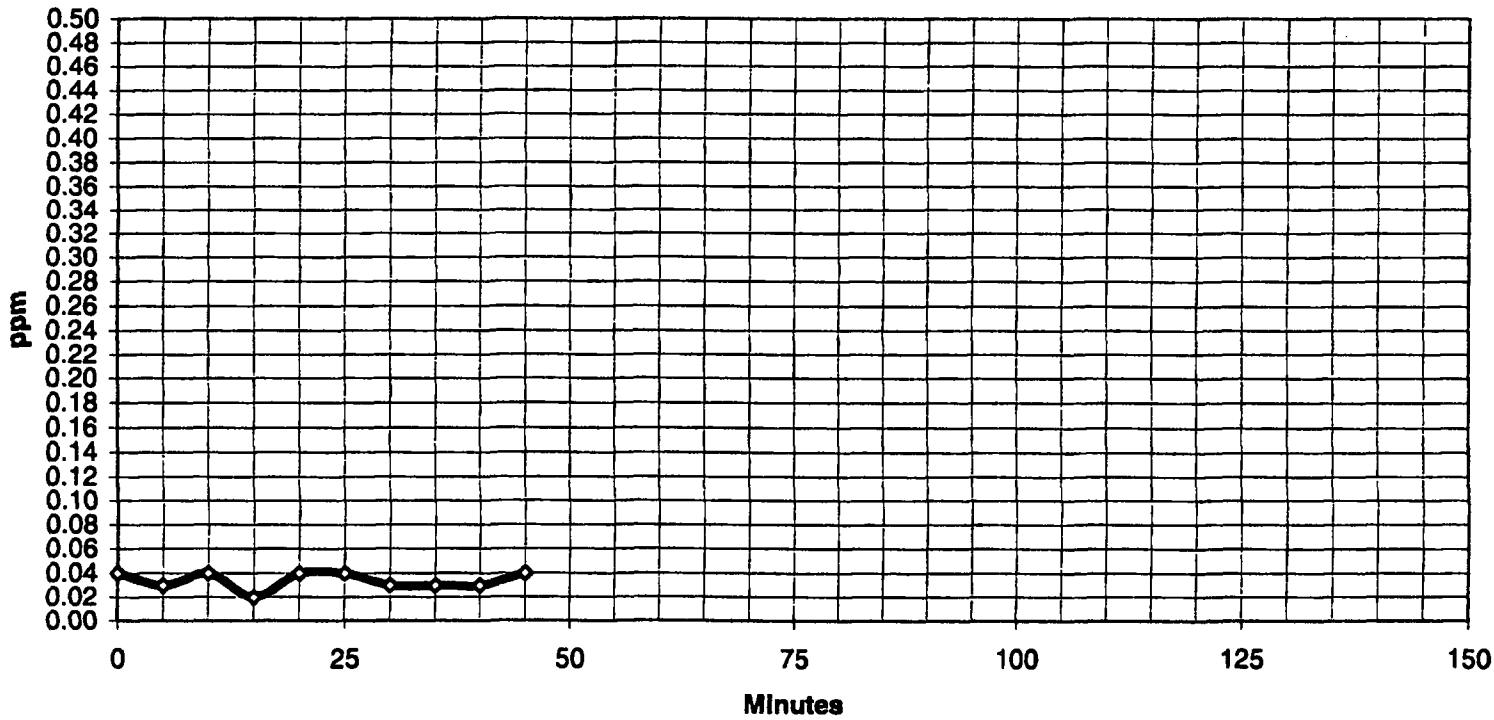
Date	Dosing Time (Minutes)	
	U-1	U-2
05/26/08	35	40
05/27/08	34	43
05/28/08	55	55
05/29/08	55	56
05/30/08	39	60
05/31/08	41	41

HALOGEN DOSING CURVE

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

Date: 05/27/08 Analyzed by: D.L. Unit: 1
Time: 10:08 Reviewed by: D. M.

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
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441

www.exeloncorp.com

Exelon Nuclear

July 18, 2008

LTR: BYRON 2008-0070
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 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 June 1, 2008 through June 30, 2008.

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 Generation Station

BJA\ZC\sdk

Attachments

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron Station

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.9	< 1.9	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	07	18
TYPED OR PRINTED			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 12 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.013	0.062	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	07	18
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 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:	08	06	01	To:	08	06	30

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	< 0.36	0.59	(26)	———	< 5.5	8.9	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	———	———	—	7.46	———	7.53	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	—	6.0 MINIMUM	———	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	< 0.04	0.047	(26)	———	< 0.6	0.7	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.010	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	07	18
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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	3.0	7.5	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 07	DAY 18

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 15 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.9	3.0	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.027	0.042	(03)	———	———	———	———	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	07	18

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	2.2	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 6.1	11.3	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.021	0.023	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 07	DAY 18

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

1. Flow existed through this outfall 4 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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

*** 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	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 07	DAY 18

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 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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

*** 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)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	< 1.4	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.096	0.209	(03)	———	———	———	———	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 07	DAY 18

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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	———	———	—	8.53	———	8.82	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	—	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.016	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.125	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21.40	32.48	(03)	———	———	———	—	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	—		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.18	0.45	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	07	18
TYPED OR PRINTED			AREA CODE	NUMBER	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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 07	DAY 18

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	06	01	To:	08	06	30

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	———	———	———	—			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	07	18

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
June 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
06/07/08	120	96.2
06/14/08	120	89.9
06/21/08	120	87.9
06/28/08	120	90.2

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 June 2008.

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
June 2008

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

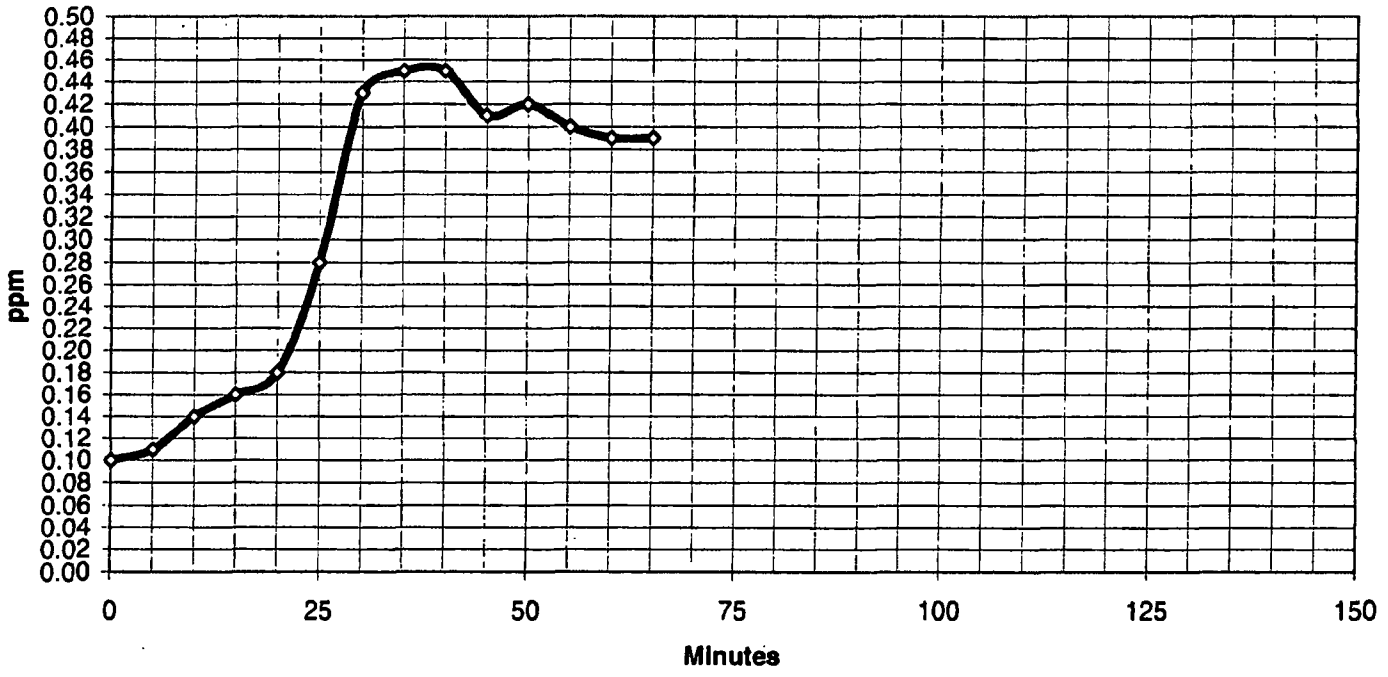
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
06/01/08	55	57	06/08/08	45	45
06/02/08	55	59			
06/03/08	55	55			
06/04/08	42	41			
06/05/08	45	42			
06/06/08	55	55			
06/07/08	44	42			

HALOGEN DOSING CURVE

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

Date: 06/03/08 Analyzed by: T.M. Unit: 2
Time: 10:46 Reviewed by: D.M.

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

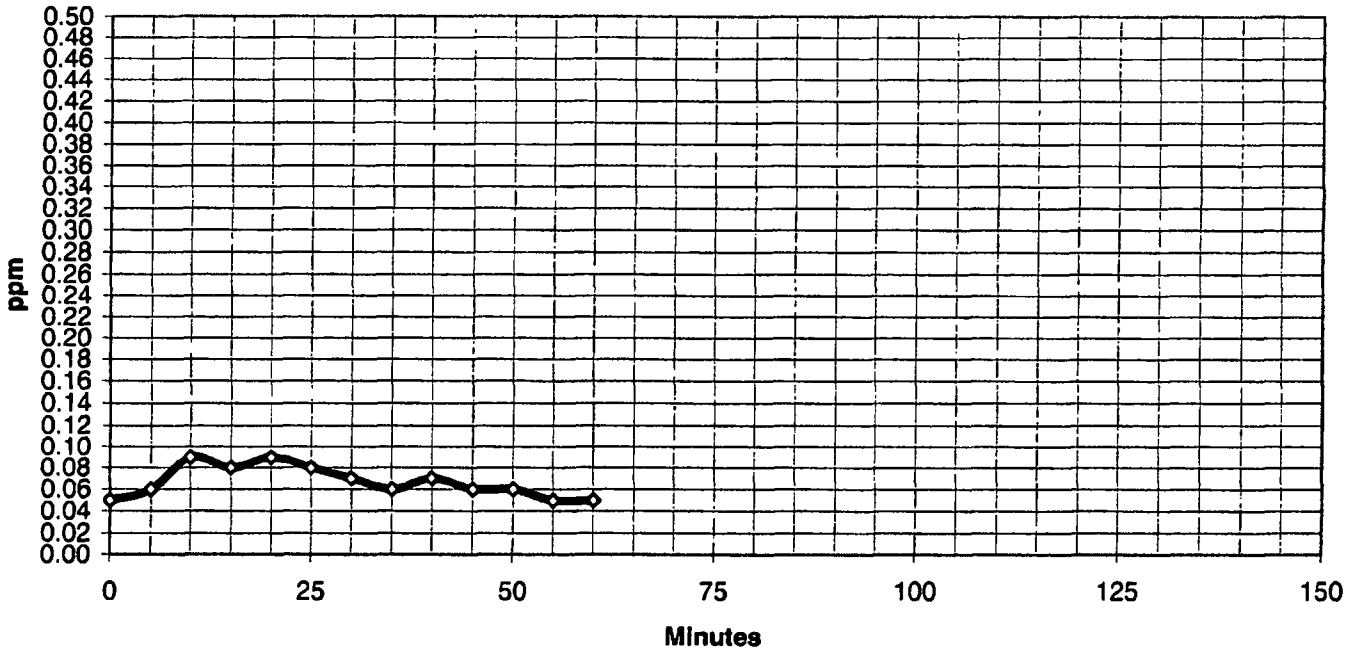
Date	Dosing Time (Minutes)	
	U-1	U-2
06/09/08	50	50
06/10/08	50	50
06/11/08	43	43
06/12/08	42	40
06/13/08	55	55
06/14/08	50	50
06/15/08	50	50

HALOGEN DOSING CURVE

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

Date: 06/09/08 Analyzed by: M.D. Unit: 1
Time: 10:41 Reviewed by: D. M.

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

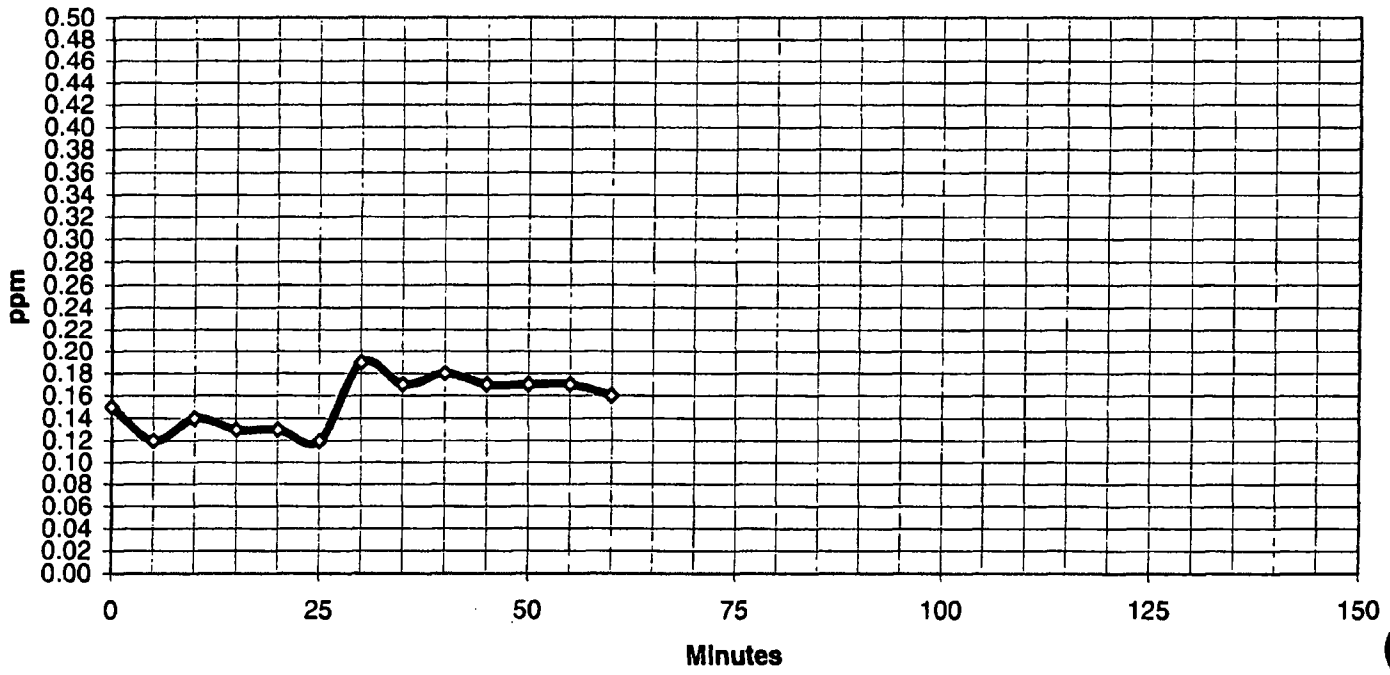
Date	Dosing Time (Minutes)	
	U-1	U-2
06/16/08	50	50
06/17/08	51	61
06/18/08	51	57
06/19/08	51	51
06/20/08	50	50
06/21/08	50	50
06/22/08	50	50

HALOGEN DOSING CURVE

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

Date: 06/16/08 Analyzed by: D.C.A. Unit: 2
Time: 13:15 Reviewed by: D. M.

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

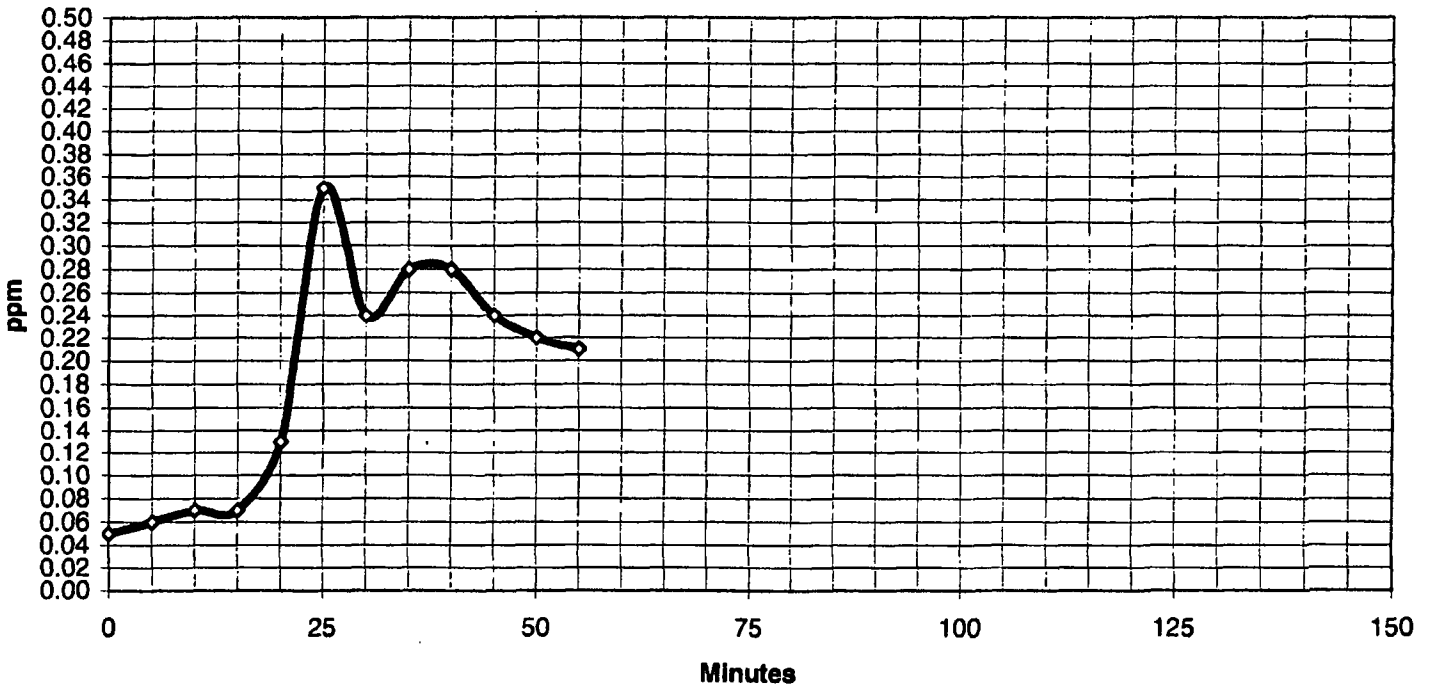
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
06/23/08	43	45	06/30/08	50	55
06/24/08	44	41			
06/25/08	43	40			
06/26/08	51	50			
06/27/08	50	50			
06/28/08	50	50			
06/29/08	52	54			

HALOGEN DOSING CURVE

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

Date: 06/23/08 Analyzed by: M.W.H. Unit: 1
Time: 09:17 Reviewed by: D.S.

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

Nuclear

August 21, 2008

LTR: BYRON 2008-0084
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 July 1, 2008 through July 31, 2008.

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

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron Station

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 0.8	< 0.8	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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	815 AREA CODE	406-3700 NUMBER	08 YEAR	08 MONTH	21 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 23 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.009	0.070	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	08 YEAR	08 MONTH	21 DAY

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

NATIONAL POLLUTA[illegible]SCHARGE 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	B01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

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)	SAMPLE MEASUREMENT	< 0.12	< 0.13	(26)	----------	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	----------	----------	----	7.49	----------	7.53	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.09	0.10	(26)	----------	1.6	2.0	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.011	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 08	DAY 21

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

1. Flow existed through this outfall 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 6.4	17.2	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	08	21
TYPED OR PRINTED			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 18 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	07	01	To:	08	07	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.5	1.9	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.030	0.053	(03)	----------	----------	----------	-----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 08	DAY: 21

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	3.0	4.8	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 3.0	4.7	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.025	0.045	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 08	DAY 21

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

1. Flow existed through this outfall 9 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

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

*** 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	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 08	DAY 21

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 7 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	07	01	To:	08	07	31

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.6	1.8	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.370	0.696	(03)	----------	----------	----------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	08	21

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

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	-------	-------	----	8.69	-------	8.97	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.014	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.07	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	22.71	31.31	(03)	-------	-------	-------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG.	REPORT DAILY MAX	MGD	-------	-------	-------	-----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.17	0.33	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 08	DAY 21

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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	815 AREA CODE	406-3700 NUMBER	08 YEAR	08 MONTH	21 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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 7	0 1	To:	0 8	0 7	3 1

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	----------	----------	----------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possibity of fine and imprisonment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	08 YEAR	08 MONTH	21 DAY

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
July 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
07/06/08	120	93.1
07/12/08	120	91.2
07/19/08	120	92.5
07/26/08	120	91.3

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 July 2008.

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
July 2008

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

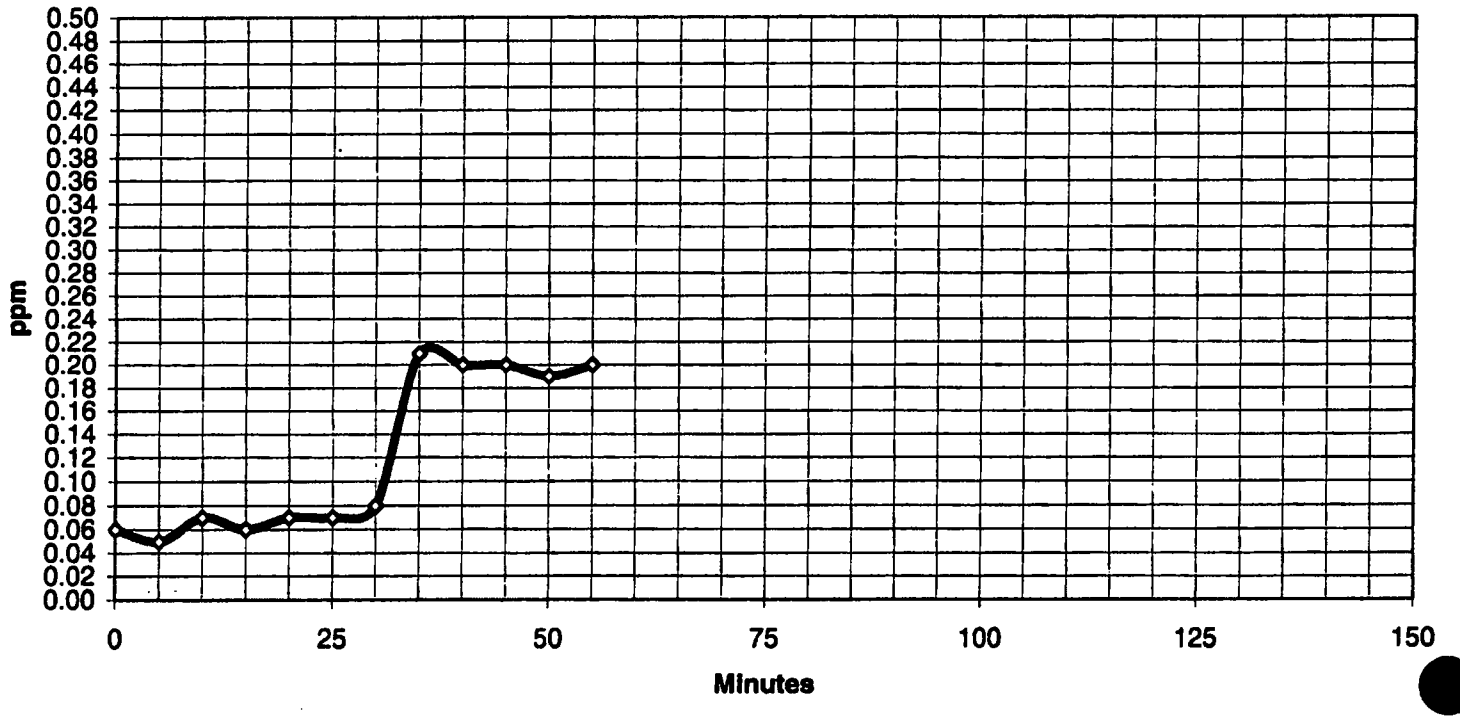
Date	Dosing Time (Minutes)	
	U-1	U-2
07/01/08	45	45
07/02/08	53	51
07/03/08	50	48
07/04/08	50	47
07/05/08	48	50
07/06/08	50	47

HALOGEN DOSING CURVE

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

Date: 07/01/08 Analyzed by: M.D. Unit: 2
Time: 10:35 Reviewed by: D.M.

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

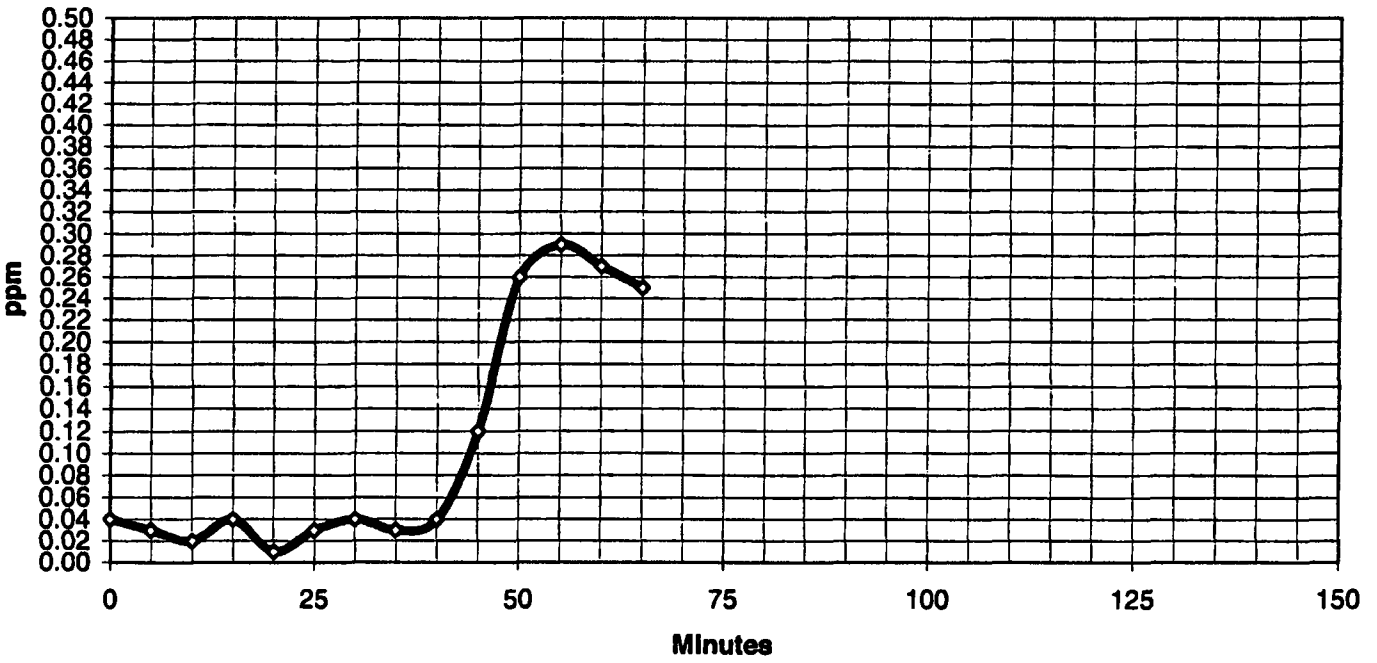
Date	Dosing Time (Minutes)	
	U-1	U-2
07/07/08	55	54
07/08/08	51	50
07/09/08	55	55
07/10/08	55	54
07/11/08	55	54
07/12/08	55	55
07/13/08	54	47

HALOGEN DOSING CURVE

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

Date: 07/07/08 Analyzed by: G.S. Unit: 1
Time: 10:50 Reviewed by: D.M.

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

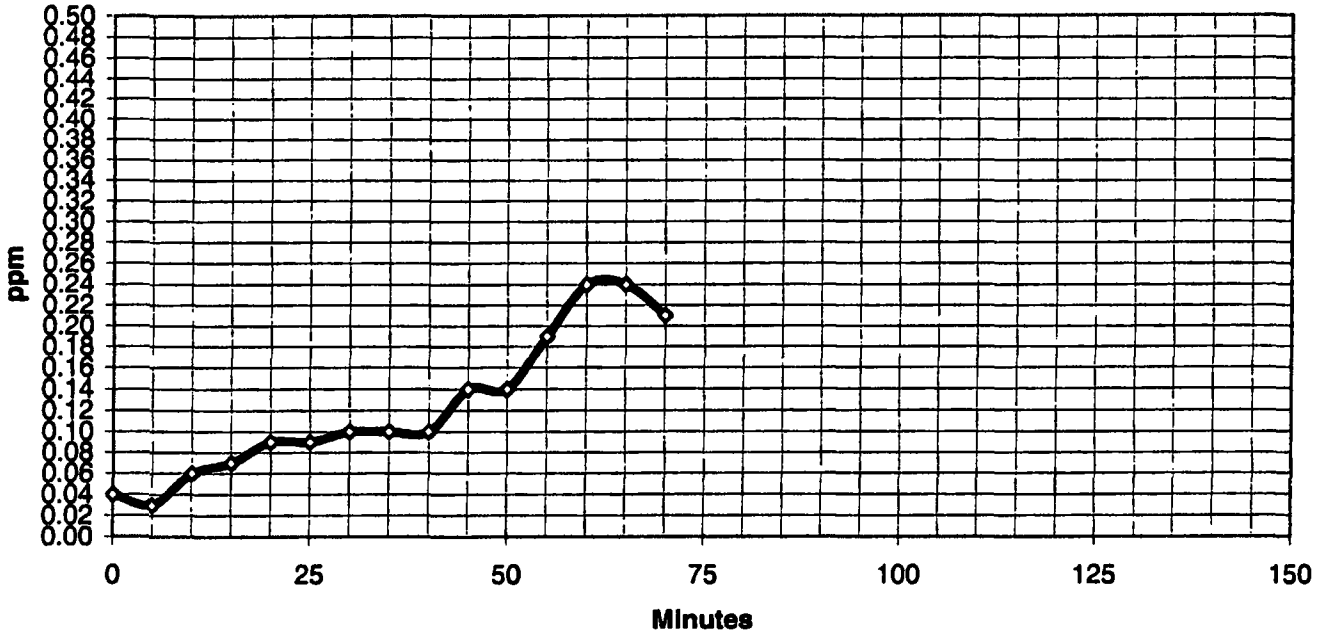
Date	Dosing Time (Minutes)	
	U-1	U-2
07/14/08	60	60
07/15/08	50	60
07/16/08	52	60
07/17/08	66	60
07/18/08	60	50
07/19/08	62	61
07/20/08	60	60

HALOGEN DOSING CURVE

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

Date: 07/16/08 Analyzed by: M.D. Unit: 2
Time: 11:56 Reviewed by: D.M.

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

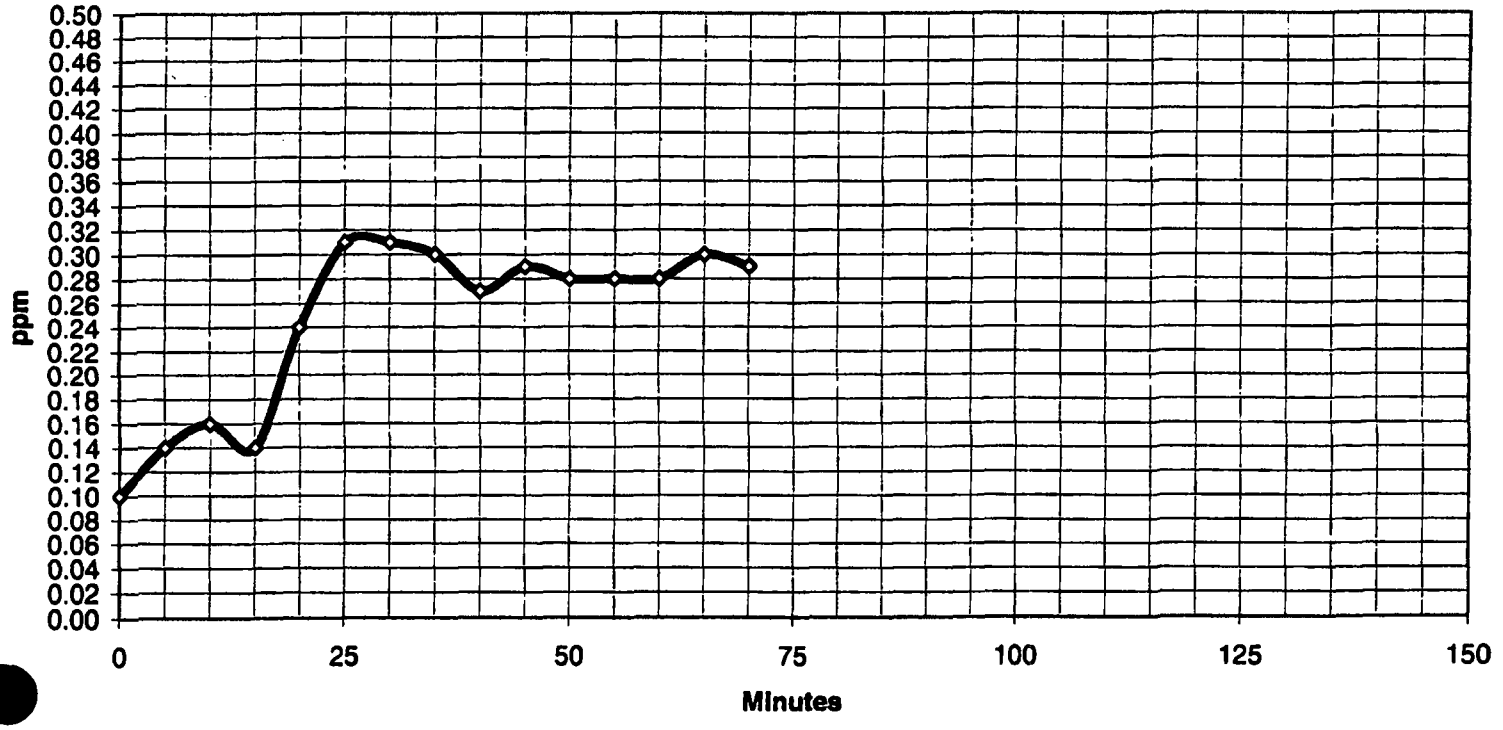
Date	Dosing Time (Minutes)	
	U-1	U-2
07/21/08	57	55
07/22/08	54	52
07/23/08	60	60
07/24/08	63	64
07/25/08	60	60
07/26/08	62	63
07/27/08	57	52

HALOGEN DOSING CURVE

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

Date: 07/21/08 Analyzed by: S.C. Unit: 1
Time: 12:31 Reviewed by: D.M.

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

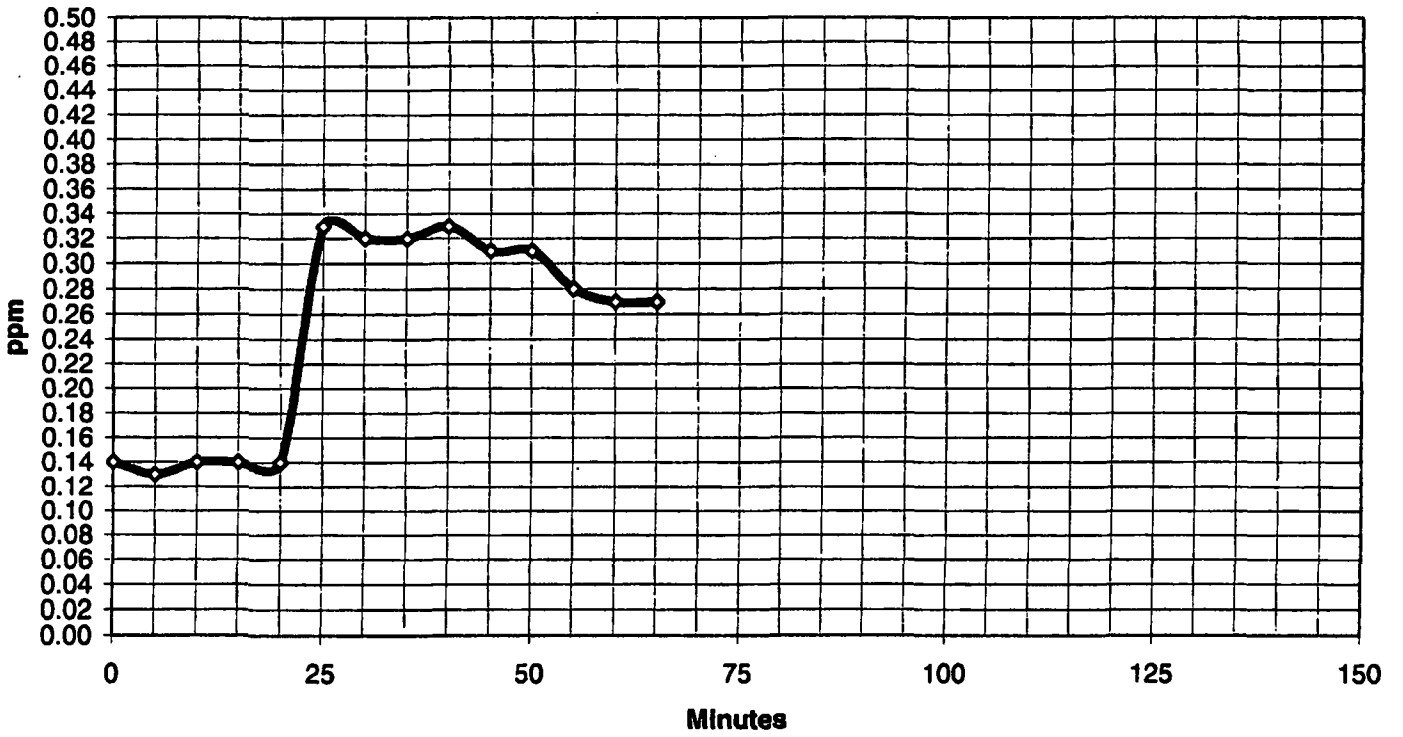
Date	Dosing Time (Minutes)	
	U-1	U-2
07/28/08	49	51
07/29/08	54	51
07/30/08	53	53
07/31/08	57	60

HALOGEN DOSING CURVE

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

Date: 07/28/08 Analyzed by: D.C.A. Unit: 2
Time: 11:41 Reviewed by: D.M.

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

Exelon Nuclear

September 16, 2008

LTR: BYRON 2008-0098
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 August 1, 2008 through August 31, 2008.

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

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	1.4	1.4	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
815	406-3700	08	09	16
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 20 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.012	0.076	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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 evalute 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 possibity of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815 / NUMBER 406-3700	YEAR 08	MONTH 09	DAY 16

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

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:	08	08	01	To:	08	08	31

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)	SAMPLE MEASUREMENT	< 0.14	< 0.17	(26)	---------	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	---------	---------	----	7.42	---------	7.49	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.06	0.06	(26)	---------	0.9	1.0	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.010	(03)	---------	---------	---------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 09	DAY 16

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

1. Flow existed through this outfall 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	4.6	8.7	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 09	DAY 16

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 18 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.7	2.0	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.031	0.048	(03)	----------	----------	----------	-----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	09	16
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---------	---------	(26)	---------	< 2.0	3.8	(19)	0	240	CP
	PERMIT REQUIREMENT			LBS/DY		15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	---------	---------	(26)	---------	< 2.9	4.5	(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	0.022	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 09	DAY 16

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

1. Flow existed through this outfall 9 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	08	01	To:	08	08	31

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

*** 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	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		TELEPHONE		DATE		
Bradley J. Adams Plant Manager TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 09	DAY: 16

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 evalute 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 possiblity of fine and imprisionment for knowing violations.

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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

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

••• 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.4	1.5	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.168	0.407	(03)	----------	----------	----------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	Bradley J. Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 09	DAY: 16

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

FACILITY Byron Nuclear Power Station

LOCATION 4450 North German Church Road
Byron, IL 61010

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	08	01	To:	08	08	31

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	----------	----------	----	8.63	----------	8.65	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.013	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.053	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	23.41	32.71	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	----------	----------	----------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	----------	----------	(26)	----------	0.17	0.40	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	09	16

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	08	01	To:	08	08	31

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	09	16

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 8	0 1	To:	0 8	0 8	3 1

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	-----		500	
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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 possiblity of fine and imprisionment for knowing violations.

Bradley J. Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
815	406-3700	08	09	16
AREA CODE	NUMBER	YEAR	MONTH	DAY

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
August 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
08/02/08	120	88.8
08/09/08	120	89.3
08/16/08	120	87.4
08/23/08	120	91.6
08/30/08	120	90.0

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 August 2008.

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
August 2008

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

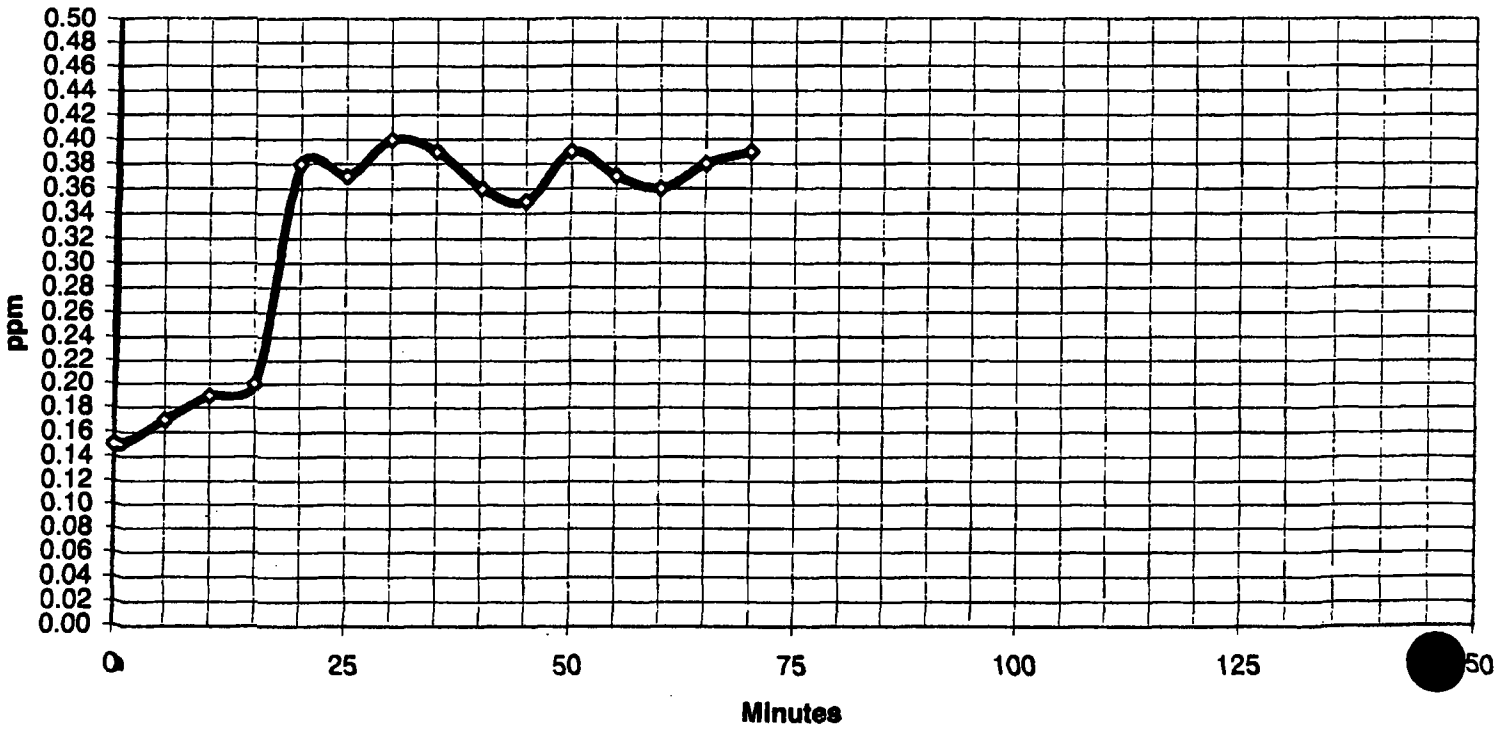
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
08/01/08	60	62	08/08/08	51	51
08/02/08	60	60	08/09/08	51	51
08/03/08	53	52	08/10/08	50	50
08/04/08	60	60			
08/05/08	60	60			
08/06/08	50	50			
08/07/08	50	50			

HALOGEN DOSING CURVE

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

Date: 08/05/08 Analyzed by: M.H. Unit: 1
Time: 10:21 Reviewed by: D.M.

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

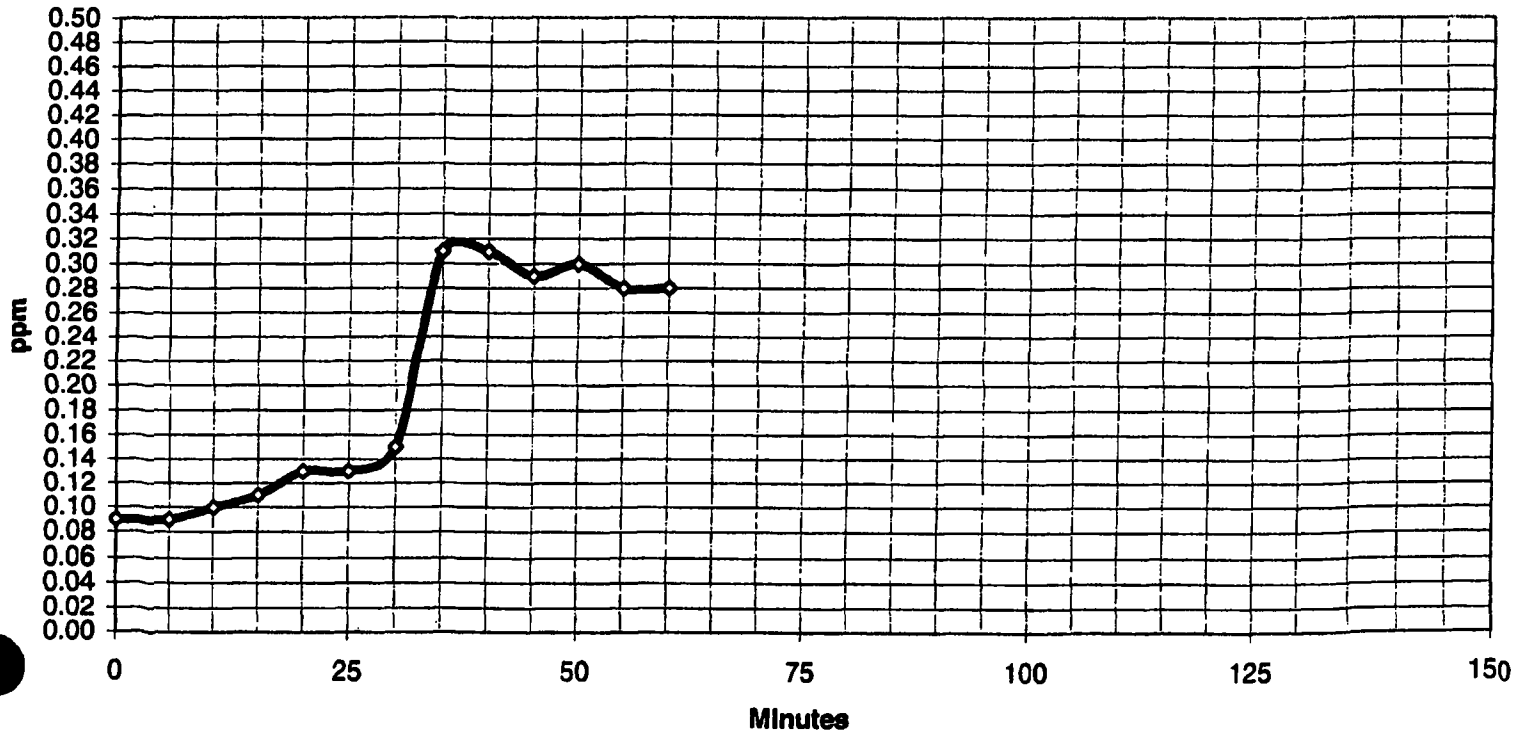
Date	Dosing Time (Minutes)	
	U-1	U-2
08/11/08	52	50
08/12/08	52	54
08/13/08	50	51
08/14/08	50	51
08/15/08	43	45
08/16/08	45	44
08/17/08	34	45

HALOGEN DOSING CURVE

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

Date: 08/11/08 Analyzed by: J.E.D. Unit: 2
Time: 10:32 Reviewed by: D.M.

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

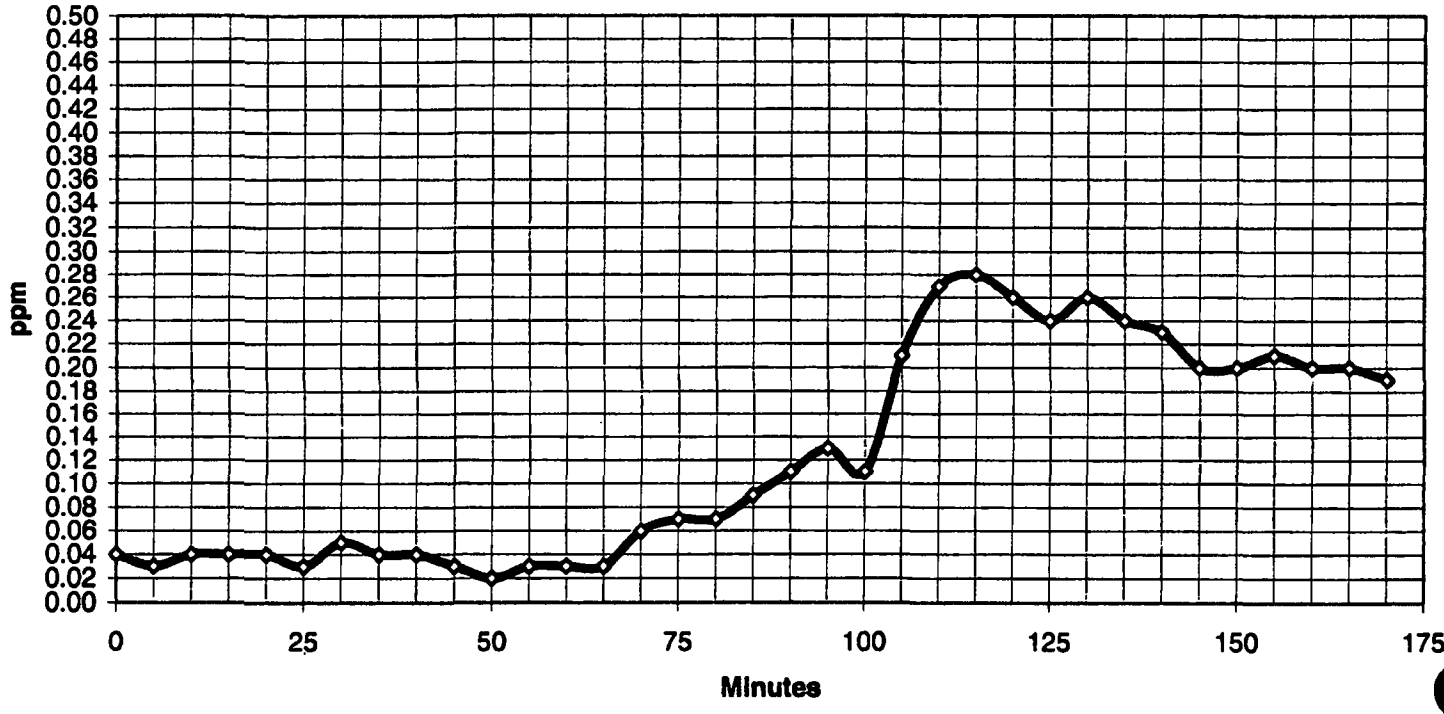
Date	Dosing Time (Minutes)	
	U-1	U-2
08/18/08	45	45
08/19/08	45	45
08/20/08	45	45
08/21/08	45	45
08/22/08	45	45
08/23/08	48	46
08/24/08	46	46

HALOGEN DOSING CURVE

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

Date: 08/20/08 Analyzed by: G. P. Unit: 1
Time: 09:15 Reviewed by: D. M.

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

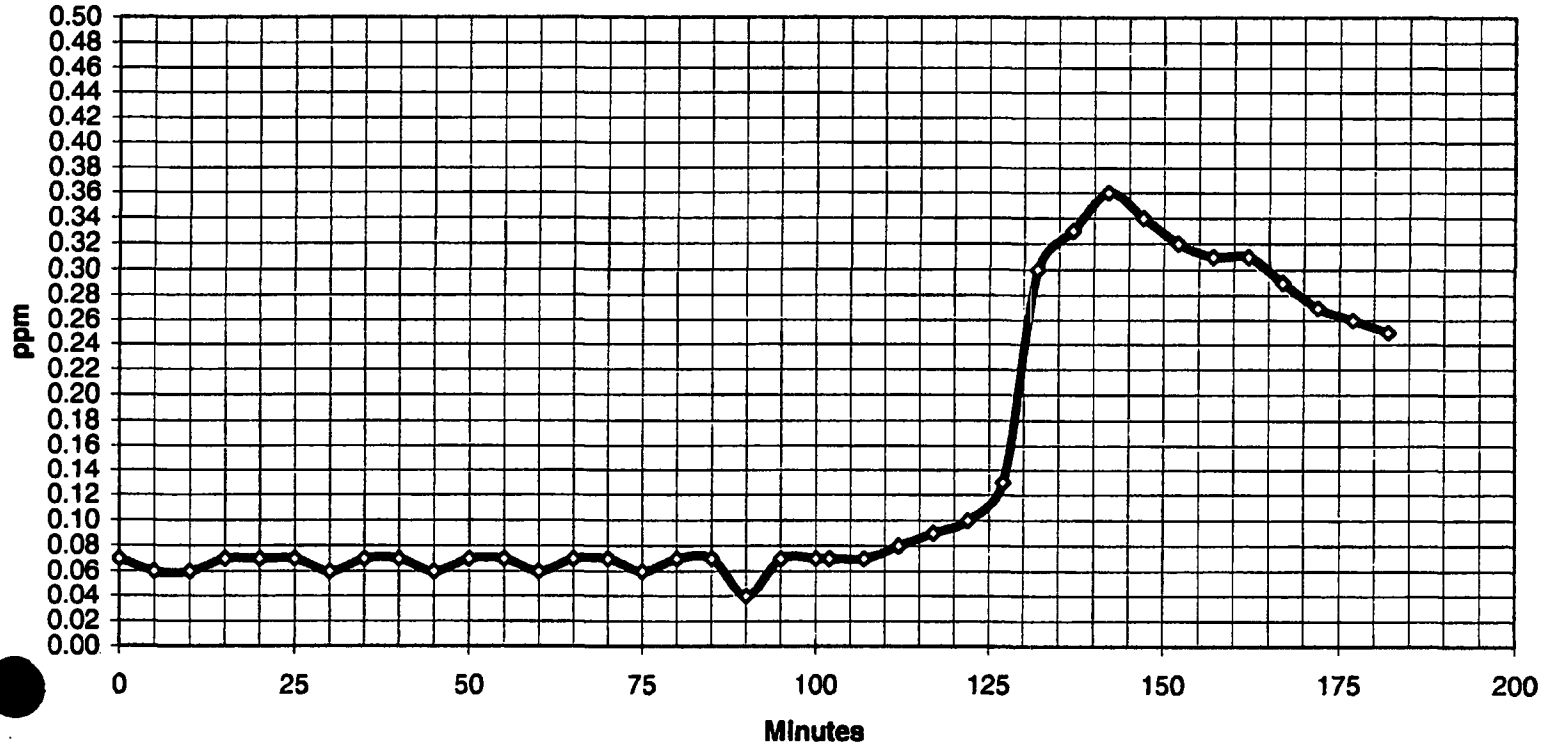
Date	Dosing Time (Minutes)	
	U-1	U-2
08/25/08	45	45
08/26/08	46	45
08/27/08	40	40
08/28/08	40	40
08/29/08	40	40
08/30/08	40	43
08/31/08	40	40

HALOGEN DOSING CURVE

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

Date: 08/25/08 Analyzed by: D. B. Unit: 2
Time: 10:00 Reviewed by: D. M.

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

Exelon Nuclear

October 17, 2008

LTR: BYRON 2008 – 0107
File: 2.09.0411
1.10.0101

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
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 September 1, 2008 through September 30, 2008.

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

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry - Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	09	01	To:	08	09	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	0.7	0.7	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	10	17
TYPED OR PRINTED			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 22 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	09	01	To:	08	09	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.007	0.068	(03)	-------	-------	-------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 10	DAY 17

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

NATIONAL POLLUTA[illegible]ISCHARGE 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	B01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	09	01	To:	08	09	30

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)	SAMPLE MEASUREMENT	< 0.17	< 0.27	(26)	-------	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	----	7.30	-------	7.33	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.12	0.21	(26)	-------	1.2	1.6	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.008	0.017	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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 imprisionment for knowing violations.

Bradley J. Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER		YEAR	MONTH	DAY
815	406-3700		08	10	17

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

1. Flow existed through this outfall 29 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	1.7	3.4	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	10	17

10-17-08

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 19 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.6	1.9	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.026	0.056	(03)	———	———	———	—	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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 imprisionment for knowing violations.

Bradley J Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
815	406-3700	10-17-08		
AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	< 0.2	< 0.5	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG.	30.0 DAILY MAX.	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.023	0.023	(03)	———	———	———	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		
AREA CODE	NUMBER		YEAR	MONTH	DAY
815	406-3700		08	10	17

10-17-08

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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	09	01	To:	08	09	30

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

*** 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	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			TELEPHONE		DATE		
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	815	406-3700	10-17-08 08	10	17
			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 6 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

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

*** 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)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG.	2.0 DAILY MAX.	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG.	2.0 DAILY MAX.	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 2.0	2.5	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.396	0.948	(03)	———	———	———	——	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	10	17

10-17-08

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

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	———	———	———	8.48	———	8.64	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	———	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.012	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.038	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	23.51	30.89	(03)	———	———	———	———	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	———		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.20	0.33	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possibtity of fine and imprisonment for knowing violations.	Bradley J Adams SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	10-17-08 YEAR	MONTH	DAY
			815	406-3700	08	10	17

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	0 9	0 1	To:	0 8	0 9	3 0

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	10	17
TYPED OR PRINTED			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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	09	01	To:	08	09	30

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	----		500	
50050 1 0 0 EFFLUENT GROSS VALUE	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

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	406-3700	10-17-08		
AREA CODE	NUMBER	YEAR	MONTH	DAY
		08	10	17

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
September 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
09/06/08	120	82.1
09/13/08	120	92.2
09/20/08	120	89.1
09/27/08	120	88.7

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 September 2008.

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
September 2008

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

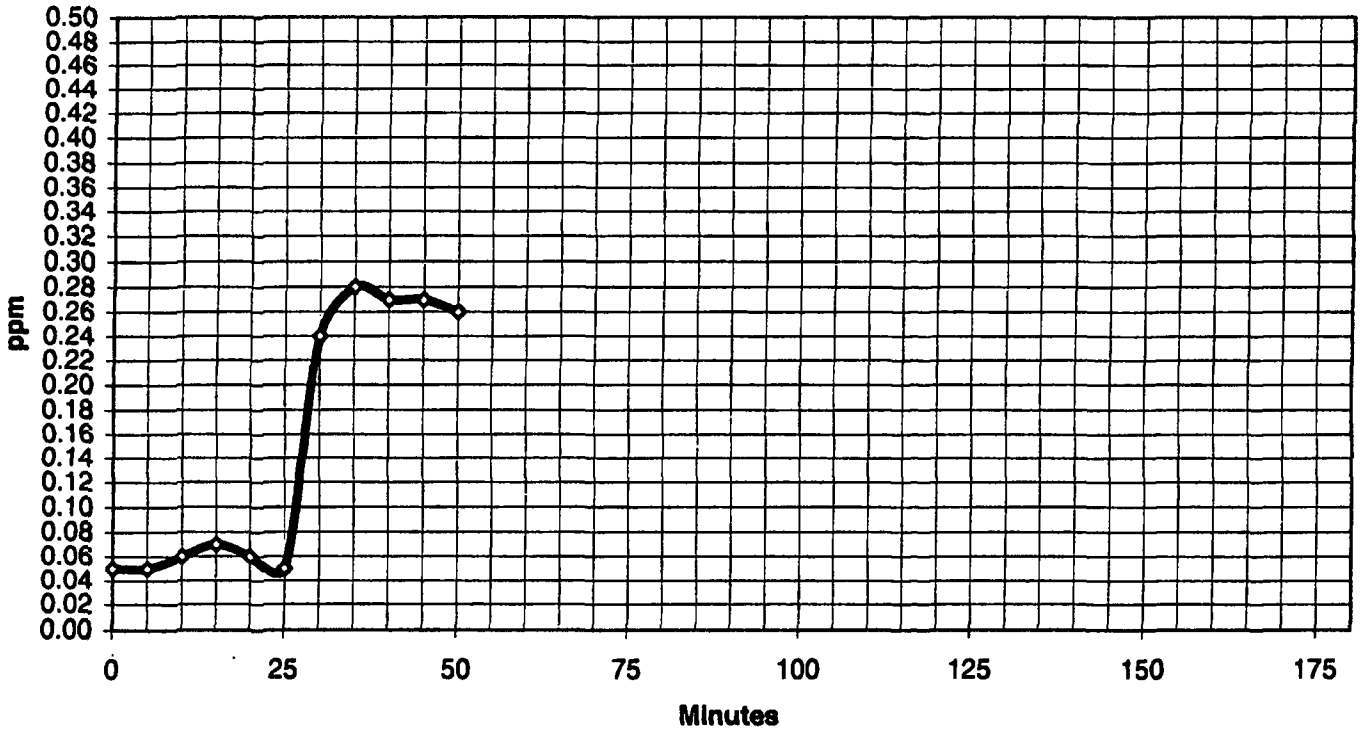
Date	Dosing Time (Minutes)	
	U-1	U-2
09/01/08	40	40
09/02/08	40	41
09/03/08	40	40
09/04/08	40	40
09/05/08	40	40
09/06/08	40	40
09/07/08	40	40

HALOGEN DOSING CURVE

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

Date: 09/02/08 Analyzed by: D.C. A. Unit: 1
Time: 10:55 Reviewed by: Z. C.

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

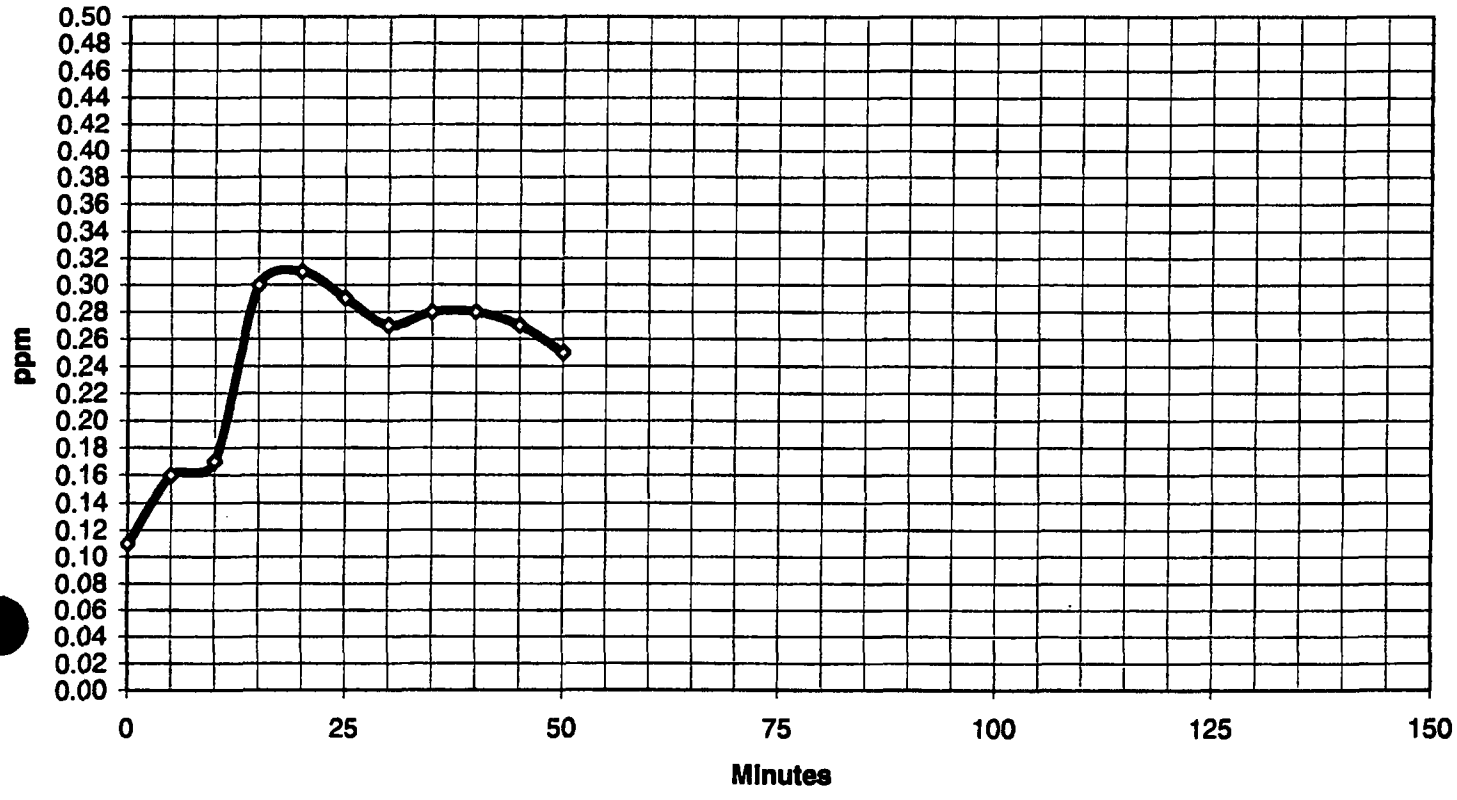
Date	Dosing Time (Minutes)	
	U-1	U-2
09/08/08	41	40
09/09/08	40	40
09/10/08	40	40
09/11/08	39	40
09/12/08	43	44
09/13/08	42	43
09/14/08	40	40

HALOGEN DOSING CURVE

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

Date: 09/08/08 Analyzed by: J. P. Unit: 2
Time: 10:37 Reviewed by: D. M.

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

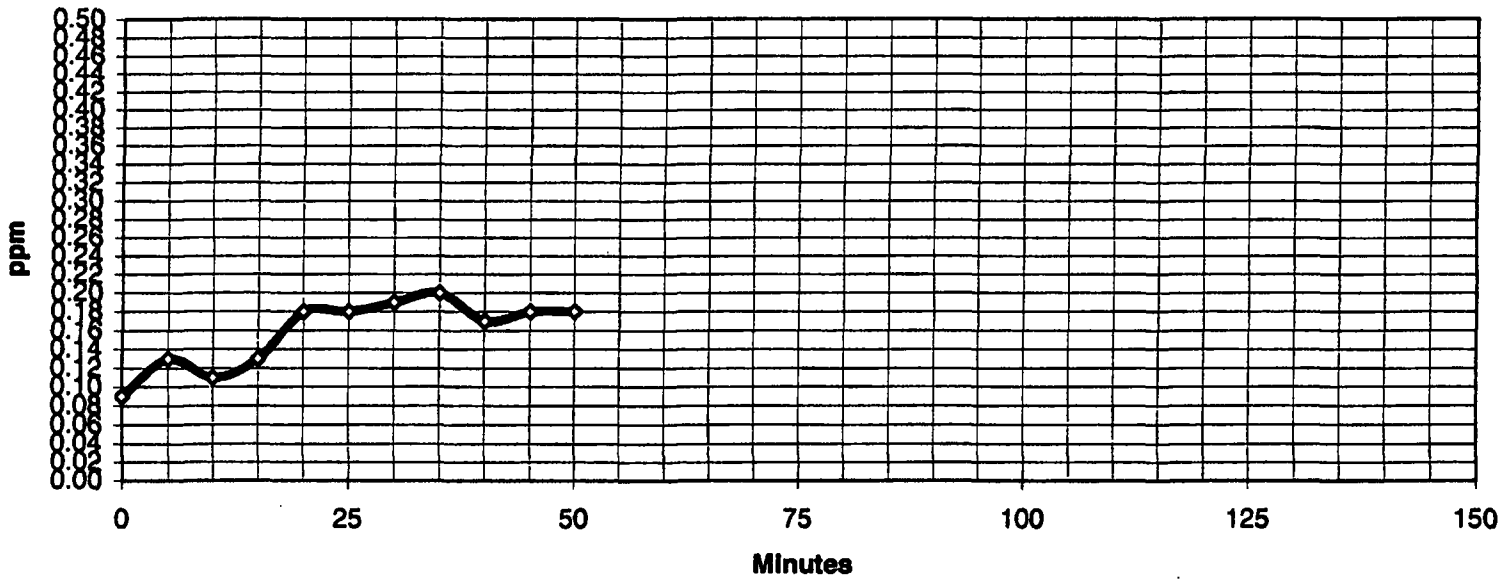
Date	Dosing Time (Minutes)	
	U-1	U-2
09/15/08	40	40
09/16/08	40	40
09/17/08	40	42
09/18/08	40	40
09/19/08	43	41
09/20/08	40	40
09/21/08	40	46

HALOGEN DOSING CURVE

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

Date: 09/16/08 Analyzed by: D. L. Unit: 2
Time: 12:20 Reviewed by: D. M.

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

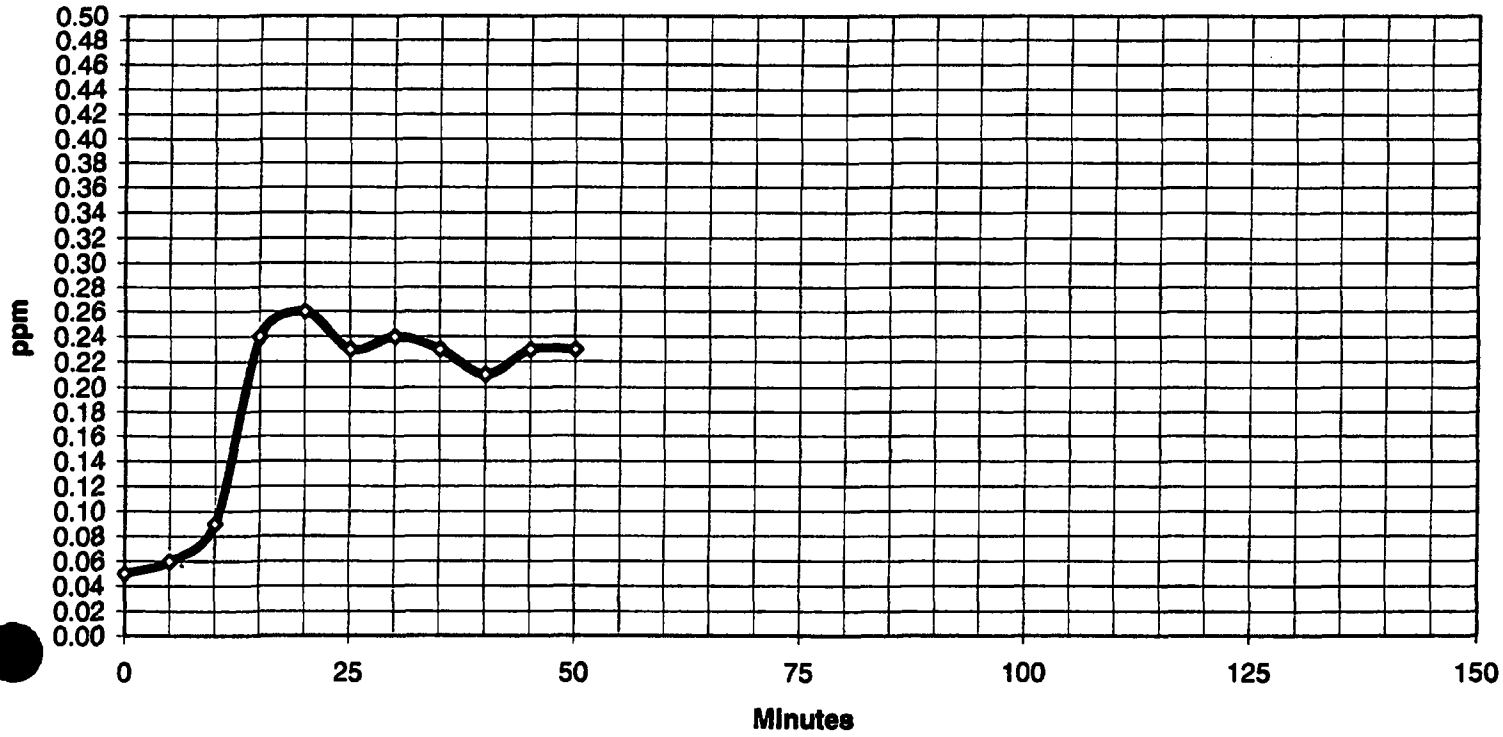
Date	Dosing Time (Minutes)	
	U-1	U-2
09/22/08	40	40
09/23/08	40	40
09/24/08	40	40
09/25/08	40	40
09/26/08	40	40
09/27/08	40	40
09/28/08	40	40

HALOGEN DOSING CURVE

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

Date: 09/22/08 Analyzed by: M. P. Unit: 2
Time: 11:00 Reviewed by: D. M.

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

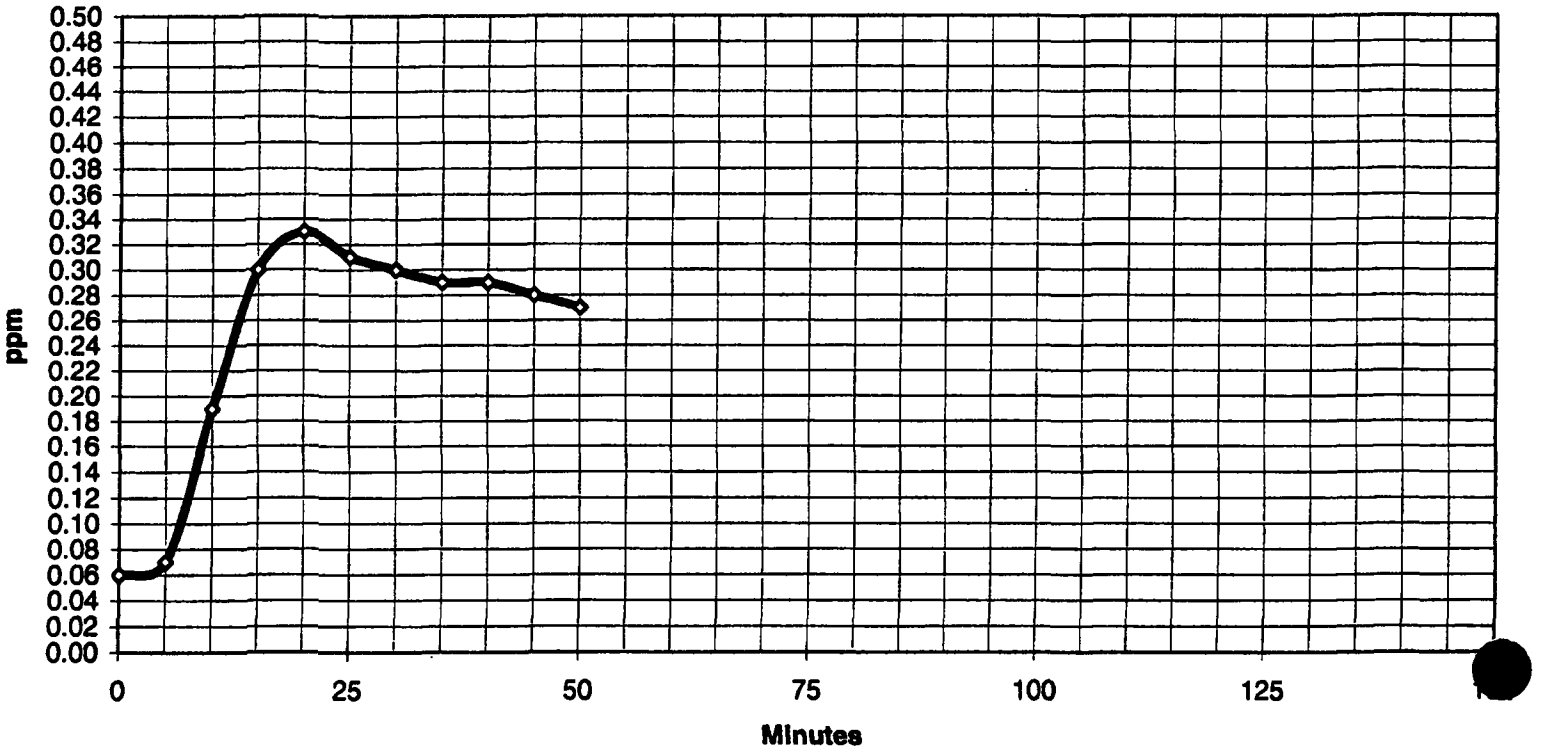
Date	Dosing Time (Minutes)	
	U-1	U-2
09/29/08	40	40
09/30/08	41	46

HALOGEN DOSING CURVE

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

Date: 09/29/08 Analyzed by: J. P. Unit: 1
Time: 12:00 Reviewed by: D. M.

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

Exelon Nuclear

November 19, 2008

LTR: BYRON 2008-0114
File: 2.09.0411
1.10.0101

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
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 October 1, 2008 through October 31, 2008.

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

J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	0.9	0.9	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	11	19

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 0	0 1	To:	0 8	1 0	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.023	0.091	(03)	———	———	———	———	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

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		DATE		
815	406-3700	08	11	19
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

NATIONAL POLLUTANT [redacted]CHARGE 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	B01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 0	0 1	To:	0 8	1 0	3 1

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)	SAMPLE MEASUREMENT	0.92	1.47	(26)	-------	9.8	16.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	---	7.63	-------	7.88	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	---	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.68	1.14	(26)	-------	7.3	12.4	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.010	0.014	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	11	19

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	------	------	(26)	------	< 4.2	10.0	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	------	------	(26)	------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	11	19
TYPED OR PRINTED			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 22 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 4.0	7.2	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.037	0.059	(03)	-------	-------	-------	-----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	815 AREA CODE	406-3700 NUMBER	08 YEAR	11 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 60555

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.4	< 0.5	(19)	0	240	CP
	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 2.9	6.5	(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	0.022	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	11	19
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 10 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	01	01	To:	08	10	31

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

*** 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	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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	08	11	19

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 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

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

*** 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.9	2.4	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.243	0.655	(03)	-------	-------	-------	----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 11	DAY: 19

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

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	———	———	----	8.52	———	8.69	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	----	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.018	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.045	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	17.36	27.67	(03)	———	———	———	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.12	0.47	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 possibiity of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 11	DAY 19

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 11	DAY: 19

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	10	01	To:	08	10	31

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

*** 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	---			
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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 evalute 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	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 11	DAY 19

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
October 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
10/04/08	120	78.7
10/12/08	120	90.0
10/19/08	120	73.4
10/25/08	120	77.7

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 October 2008.

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
October 2008

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

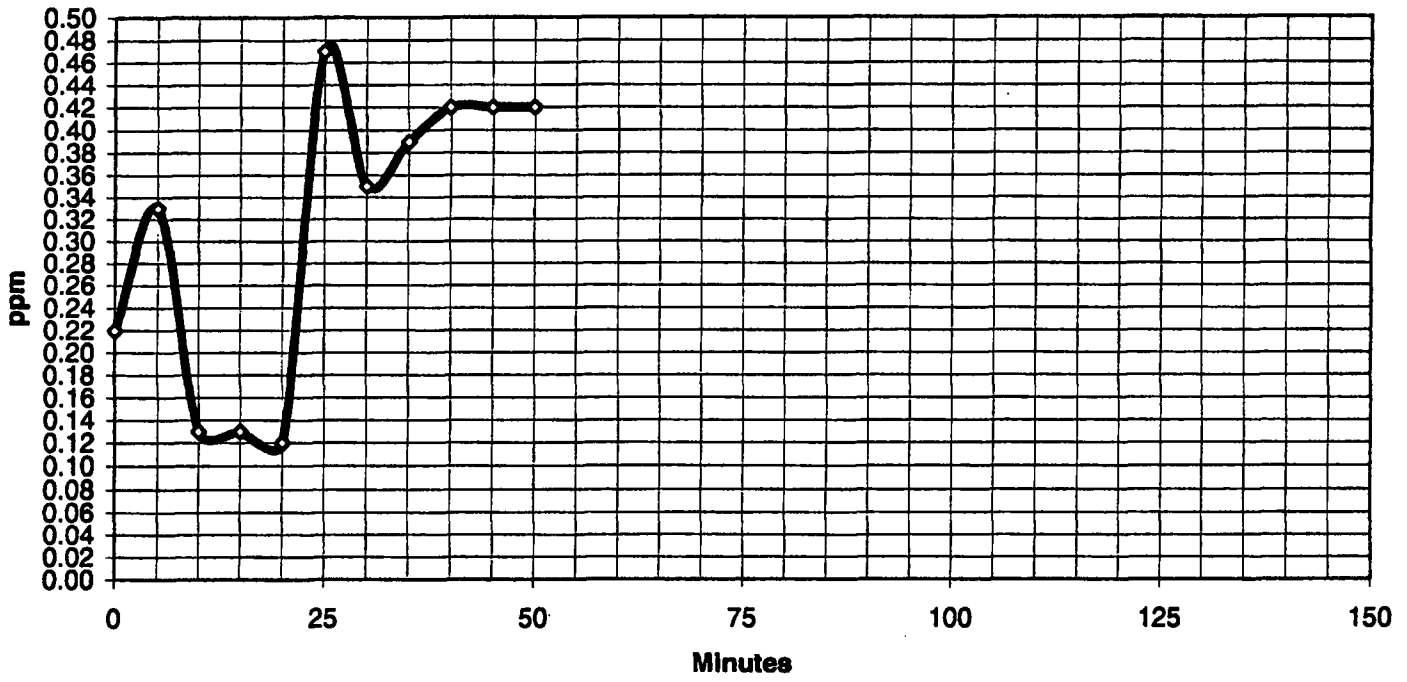
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
10/01/08	42	44	10/08/08	35	0
10/02/08	40	40	10/09/08	35	0
10/03/08	40	40	10/10/08	25	0
10/04/08	40	40	10/11/08	38	0
10/05/08	40	41	10/12/08	37	0
10/06/08	47	40			
10/07/08	35	0			

HALOGEN DOSING CURVE

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

Date: 10/06/08 Analyzed by: M.D. Unit: 2
Time: 10:07 Reviewed by: D.M.

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

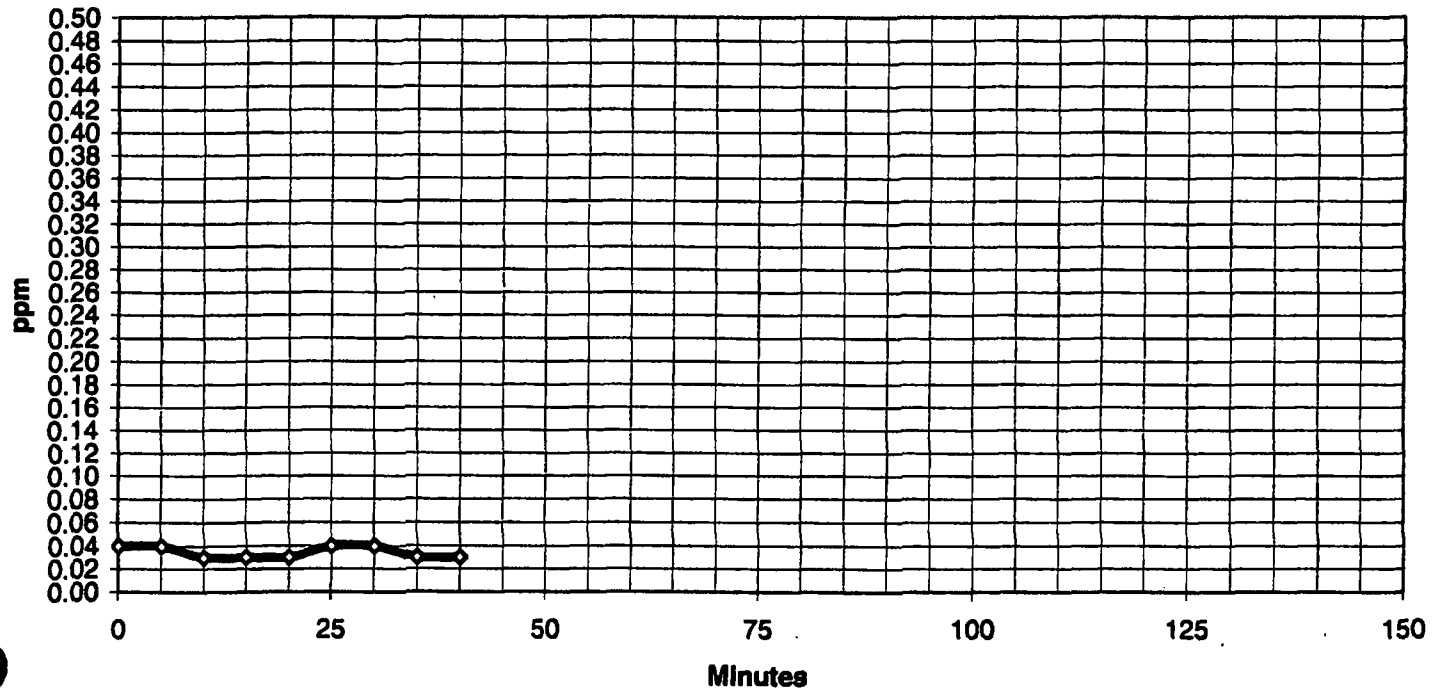
Date	Dosing Time (Minutes)	
	U-1	U-2
10/13/08	30	0
10/14/08	30	0
10/15/08	30	0
10/16/08	31	0
10/17/08	37	0
10/18/08	37	30
10/19/08	30	30

HALOGEN DOSING CURVE

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

Date: 10/13/08 Analyzed by: M.D. Unit: 1
Time: 17:35 Reviewed by: D.M.

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

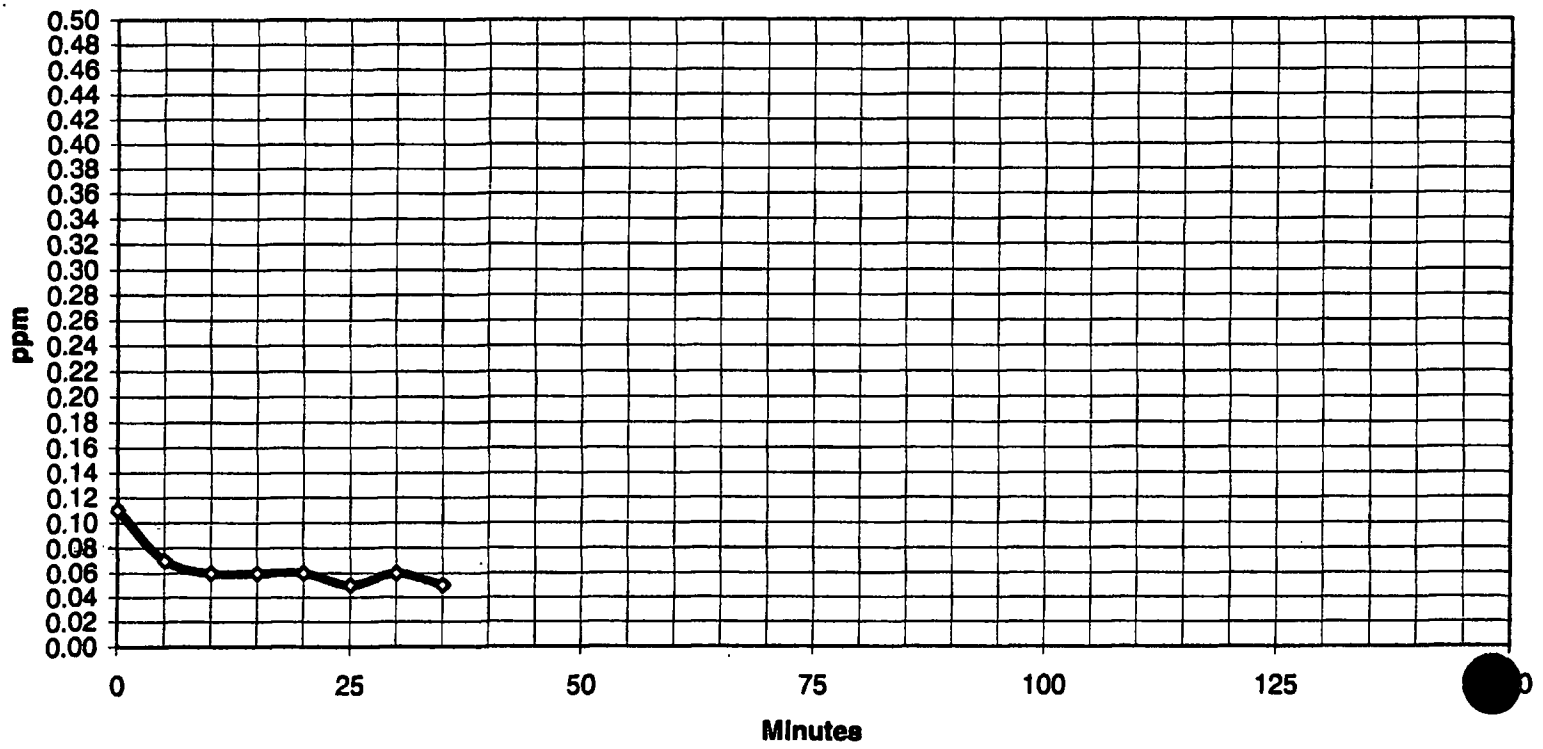
Date	Dosing Time (Minutes)	
	U-1	U-2
10/20/08	35	22
10/21/08	30	40
10/22/08	25	30
10/23/08	26	26
10/24/08	27	28
10/25/08	25	30
10/26/08	25	25

HALOGEN DOSING CURVE

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

Date: 10/22/08 Analyzed by: G.N.P. Unit: 1
Time: 10:00 Reviewed by: D.M.

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

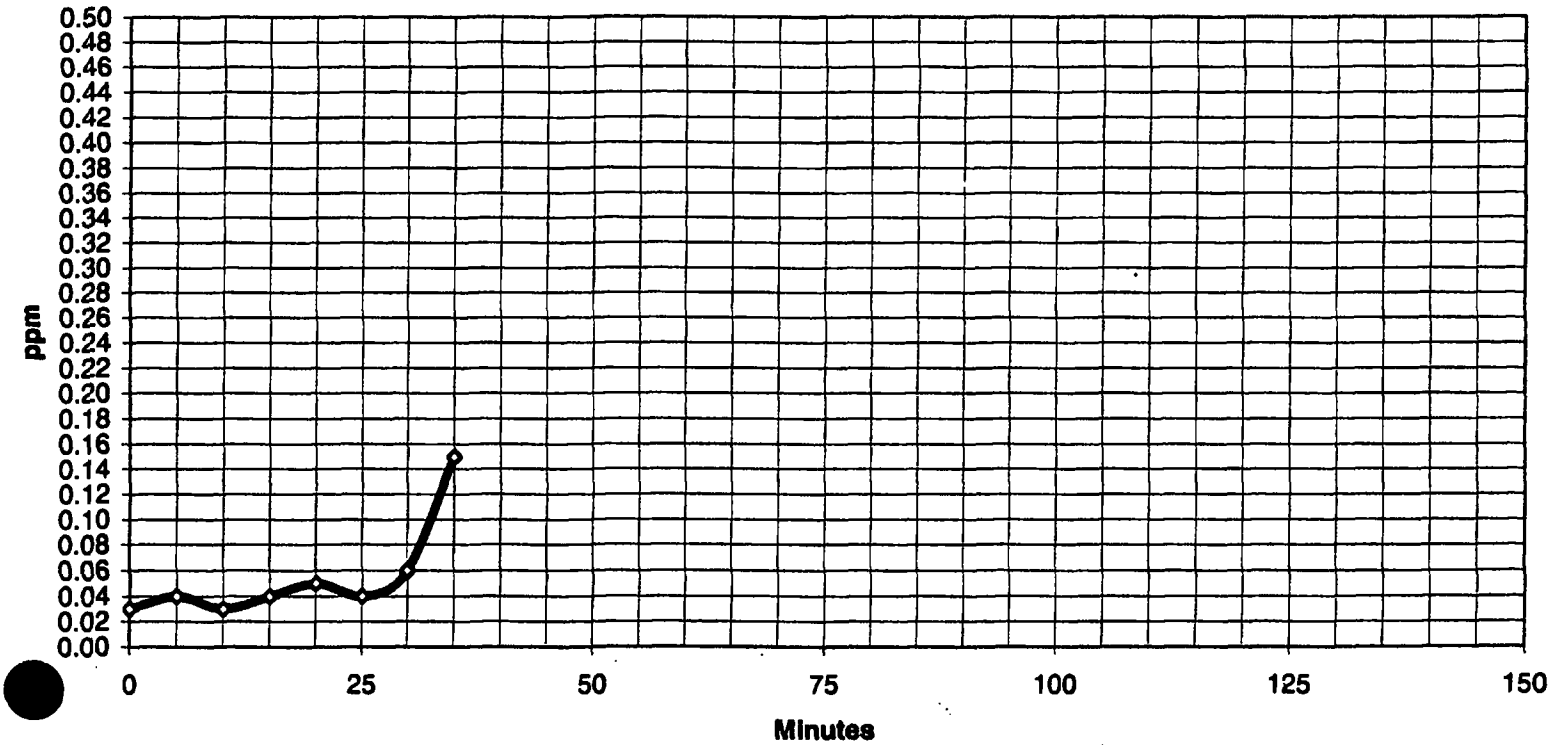
Date	Dosing Time (Minutes)	
	U-1	U-2
10/27/08	25	25
10/28/08	25	25
10/29/08	25	25
10/30/08	25	25
10/31/08	25	26

HALOGEN DOSING CURVE

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

Date: 10/27/08 Analyzed by: M.K. Unit: 1
Time: 11:53 Reviewed by: D.M.

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

Exelon Nuclear

December 16, 2008

LTR: BYRON 2008-0122
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 November 1, 2008 through November 30, 2008.

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

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry – Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 1	0 1	To:	0 8	1 1	3 0

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.7	< 0.7	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	08	12	16
TYPED OR PRINTED			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 29 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.041	0.114	(03)	———	———	———	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Bradley J. Adams		815	406-3700	08	12	16
Plant Manager	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
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 evalute 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 imprisionment for knowing violations.

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

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:	08	11	01	To:	08	11	30

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)	SAMPLE MEASUREMENT	< 0.10	< 0.10	(26)	-------	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	----	7.25	-------	7.47	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	< 0.04	0.04	(26)	-------	< 0.7	0.8	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.005	0.008	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	08	12	16
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 27 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 1	0 1	To:	0 8	1 1	3 0

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.6	0.8	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE	815 406-3700 NUMBER	08 YEAR	12 MONTH	16 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 13 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 1	0 1	To:	0 8	1 1	3 0

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 2.6	3.5	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.034	0.056	(03)	-------	-------	-------	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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 evalute 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 imprisionment for knowing violations.	815	406-3700	08	12	16
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	< 0.3	< 0.5	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	<1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.022	(03)	———	———	———	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	08	12	16

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

1. Flow existed through this outfall 5 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

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

*** 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	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 12	DAY: 16

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 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 1	0 1	To:	0 8	1 1	3 0

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	1.7	1.8	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.043	0.086	(03)	----------	----------	----------	----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possibity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815 AREA CODE	406-3700 NUMBER	08 YEAR	12 MONTH	16 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 60555

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

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	-------	-------	---	8.62	-------	8.69	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	---	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.010	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.030	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	18.58	25.44	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-------	-------	-------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.11	0.33	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 12	DAY 16

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

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

*** NO DISCHARGE [X] ***

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		TELEPHONE		DATE		
Bradley J. Adams Plant Manager TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 08	MONTH: 12	DAY: 16

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 evalute 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 possibity of fine and imprisionment for knowing violations.

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	11	01	To:	08	11	30

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	----------	----------	----------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possibtity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 08	MONTH 12	DAY 16

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
November 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
11/01/08	120	81.7
11/08/08	120	68.1
11/15/08	120	70.2
11/22/08	120	67.6
11/29/08	120	68.2

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 November 2008.

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
November 2008

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

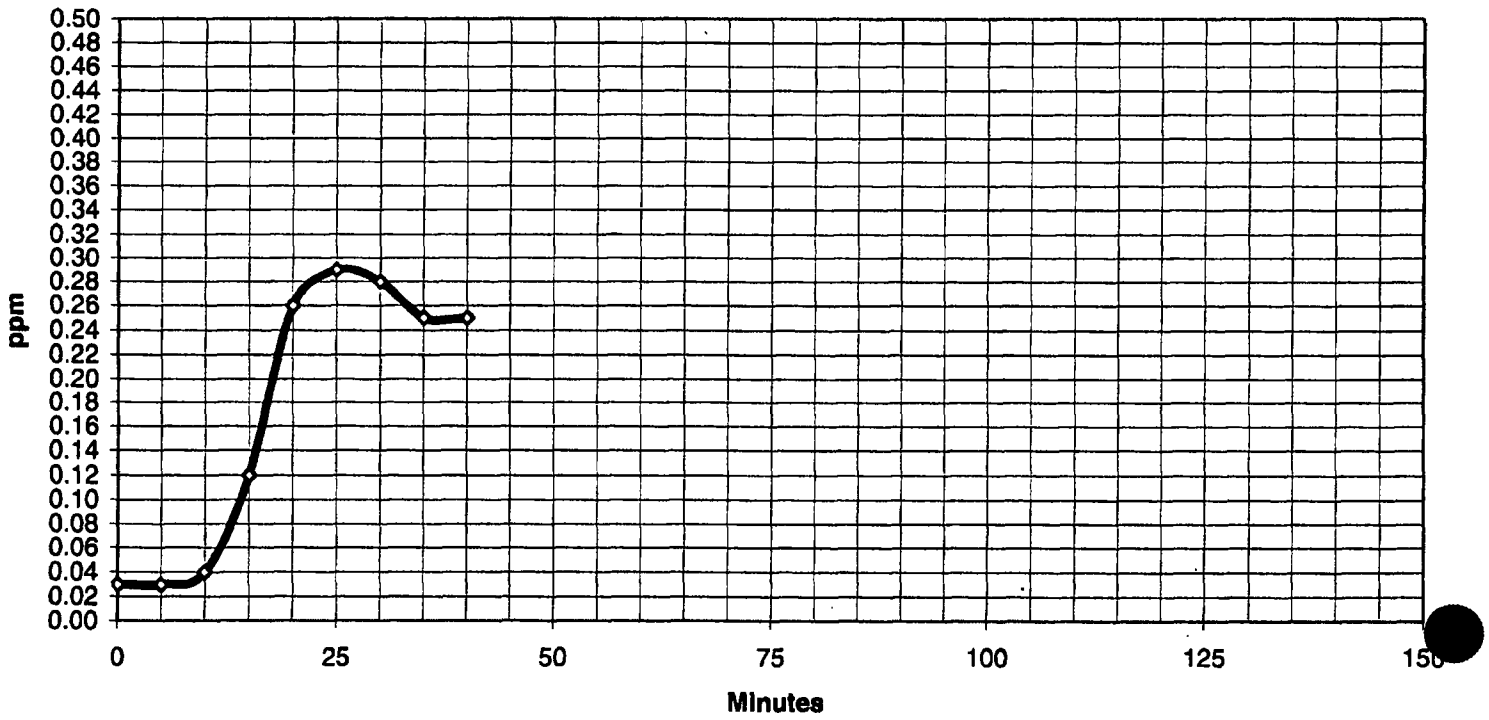
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
11/01/08	20	26	11/08/08	25	25
11/02/08	25	27	11/09/08	27	30
11/03/08	26	29			
11/04/08	26	31			
11/05/08	25	25			
11/06/08	33	28			
11/07/08	25	25			

HALOGEN DOSING CURVE

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

Date: 11/03/08 Analyzed by: J.P. Unit: 2
Time: 11:04 Reviewed by: D.M.

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

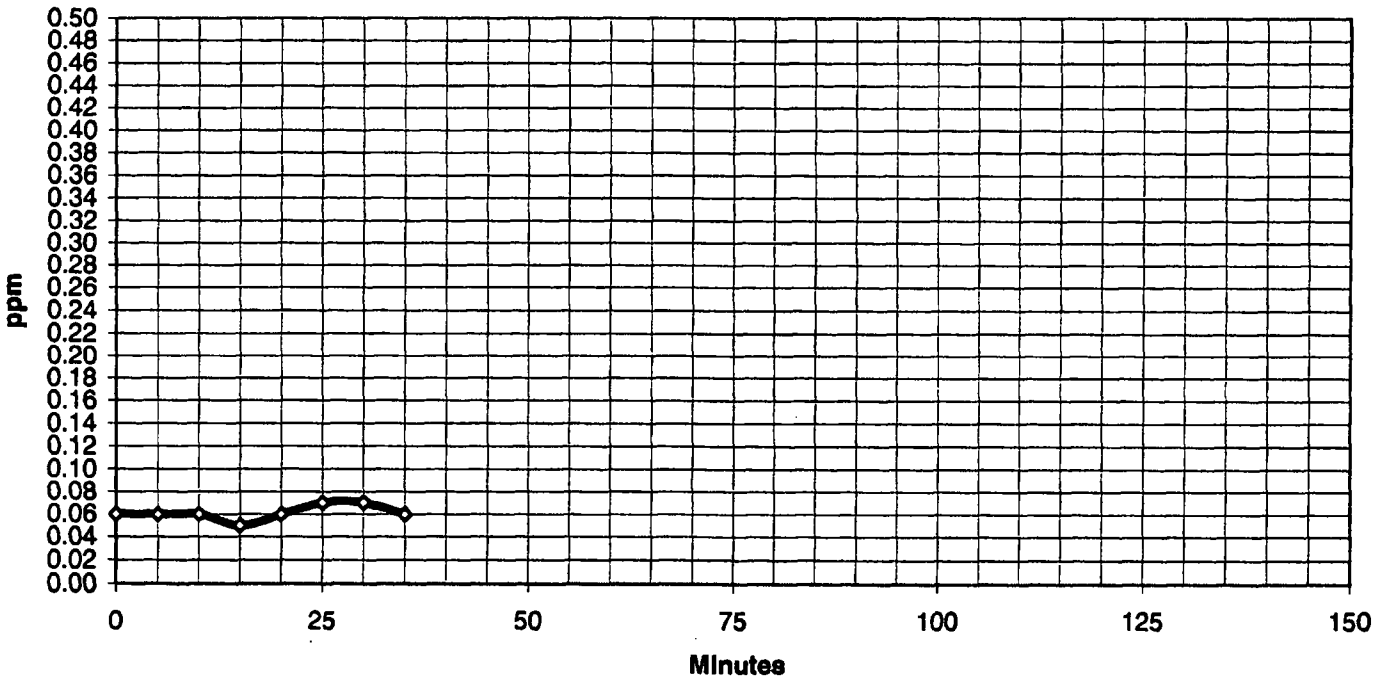
Date	Dosing Time (Minutes)	
	U-1	U-2
11/10/08	25	25
11/11/08	25	25
11/12/08	25	25
11/13/08	25	25
11/14/08	25	27
11/15/08	27	25
11/16/08	25	25

HALOGEN DOSING CURVE

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

Date: 11/10/08 Analyzed by: M.D. Unit: 1
Time: 11:07 Reviewed by: D.M.

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

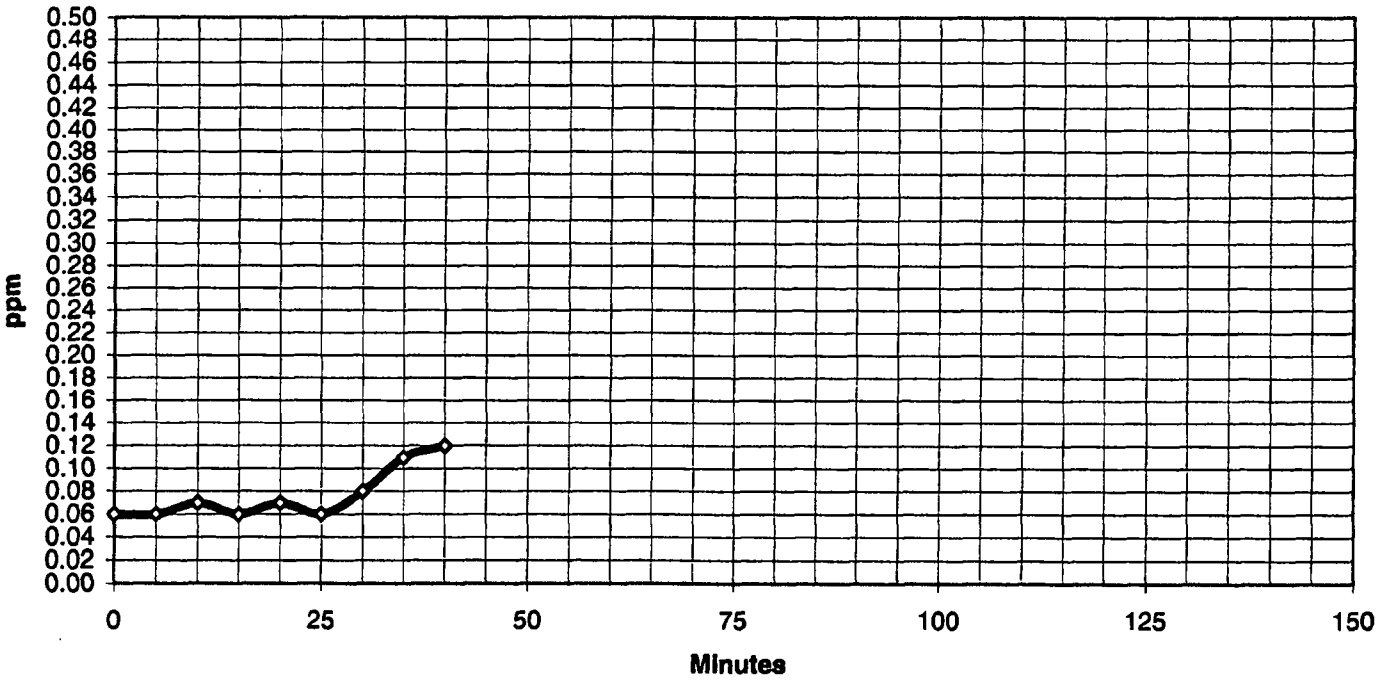
Date	Dosing Time (Minutes)	
	U-1	U-2
11/17/08	28	28
11/18/08	25	25
11/19/08	27	25
11/20/08	25	25
11/21/08	25	25
11/22/08	25	25
11/23/08	25	25

HALOGEN DOSING CURVE

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

Date: 11/17/08 Analyzed by: M.H. Unit: 2
Time: 10:20 Reviewed by: D.M.

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

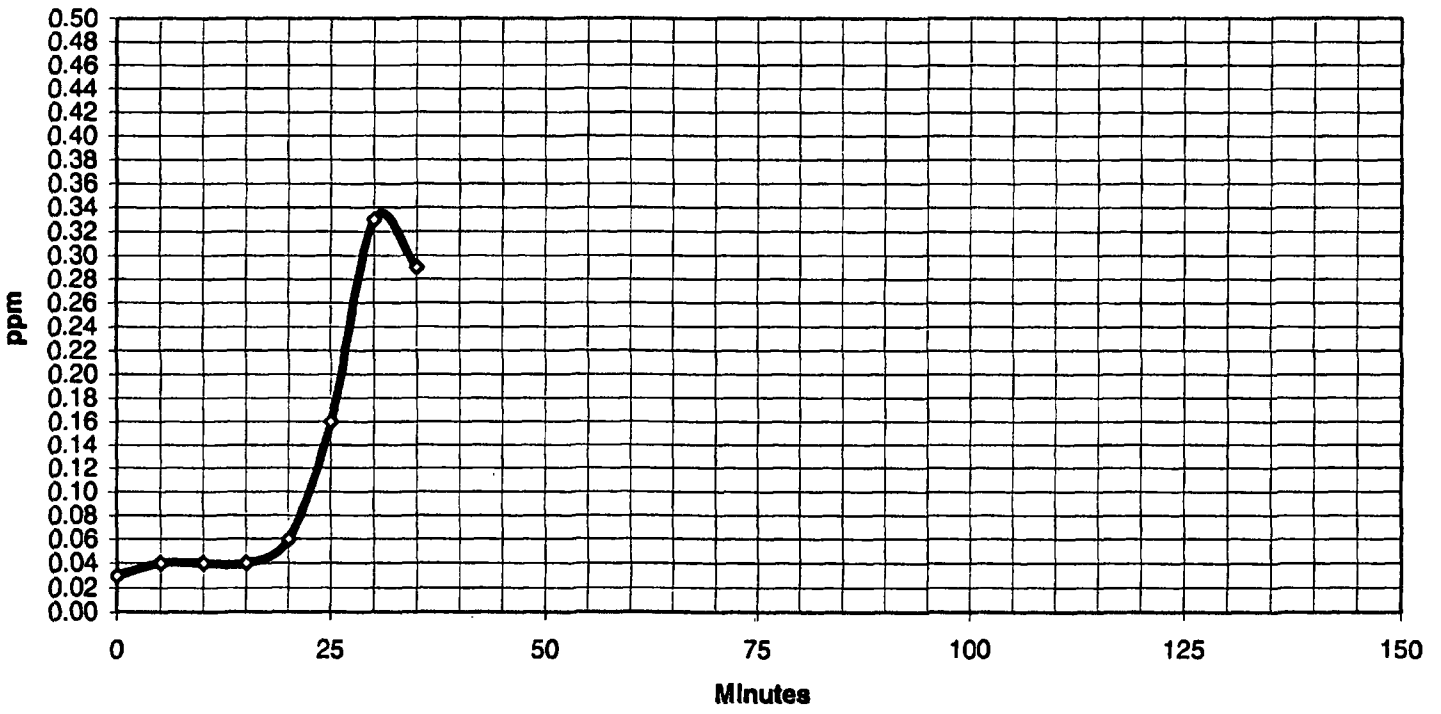
Date	Dosing Time (Minutes)	
	U-1	U-2
11/24/08	25	25
11/25/08	25	25
11/26/08	25	25
11/27/08	25	25
11/28/08	25	25
11/29/08	25	25
11/30/08	25	25

HALOGEN DOSING CURVE

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

Date: 11/24/08 Analyzed by: D. B. Unit: 1
Time: 13:09 Reviewed by: D.M.

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

Exelon Nuclear

January 20, 2009

LTR: BYRON 2009-0008
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 December 1, 2008 through December 31, 2008.

Special Condition 5 of the NPDES permit requires the station to weigh the copper anodes at the end of the zebra mussel control season and to include the total mass of copper used in the discharge monitoring report. The zebra mussel copper ion skids were shutdown on December 3, 2008. The anodes of the OA copper ion skid were removed and weighed on December 18, 2008. The anodes of the OB copper ion skid were removed and weighed on December 18, 2008. The total mass of copper used for zebra mussel control was 192 pounds.

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

bcc: J. Bolte – Environmental – Cantera
Z. Cox – Chemistry - Byron

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	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.5	< 0.5	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	01	20
TYPED OR PRINTED			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 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A) 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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY		1.0 30 DAY AVG.	2.0 DAILY MAX.	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.016	0.066	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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	815 AREA CODE	406-3700 NUMBER	09 YEAR	01 MONTH	20 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 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:	08	12	01	To:	08	12	31

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)	SAMPLE MEASUREMENT	< 0.11	0.09	(26)	-------	< 2.1	2.2	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	----	7.47	-------	7.65	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	< 0.04	0.05	(26)	-------	< 0.8	1.1	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.007	0.018	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	01	20

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 0.7	1.2	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 09	MONTH: 01	DAY: 20

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.033	0.064	(03)	-------	-------	-------	---	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 01	DAY 20

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 0.5	0.7	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.6	2.2	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.024	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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 evalute 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 imprisionment for knowing violations.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
815	406-3700	09	01	20
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. Flow existed through this outfall 8 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

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

• • • 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	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			TELEPHONE		DATE		
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 evalute 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 possiblity of fine and imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE: 815	NUMBER: 406-3700	YEAR: 09	MONTH: 01	DAY: 20

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 2 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

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

••• 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.4	< 1.4	(19)	0	290	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.681	1.304	(03)	-------	-------	-------	-----	0	290	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	09	01	20

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

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	———	———	———	8.56	———	8.99	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	———	6.0 MINIMUM	———	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.007	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———	———	0.029	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	20.11	26.94	(03)	———	———	———	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	———	———	———	-----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	———	———	(26)	———	0.18	0.39	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	———	———	(26)	———	———		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	———	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 01	DAY 20

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	08	12	01	To:	08	12	31

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

*** 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			TELEPHONE		DATE		
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 evalute 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 imprisionment for knowing violations.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 01	DAY 20

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 8	1 2	0 1	To:	0 8	1 2	3 1

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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 evalute 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	AREA CODE 815 / NUMBER 406-3700	YEAR 09	MONTH 01	DAY 20

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
December 2008

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
12/06/08	120	77.4
12/13/08	120	74.0
12/20/08	120	69.0
12/27/08	120	80.6

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 December 2008.

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
December 2008

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

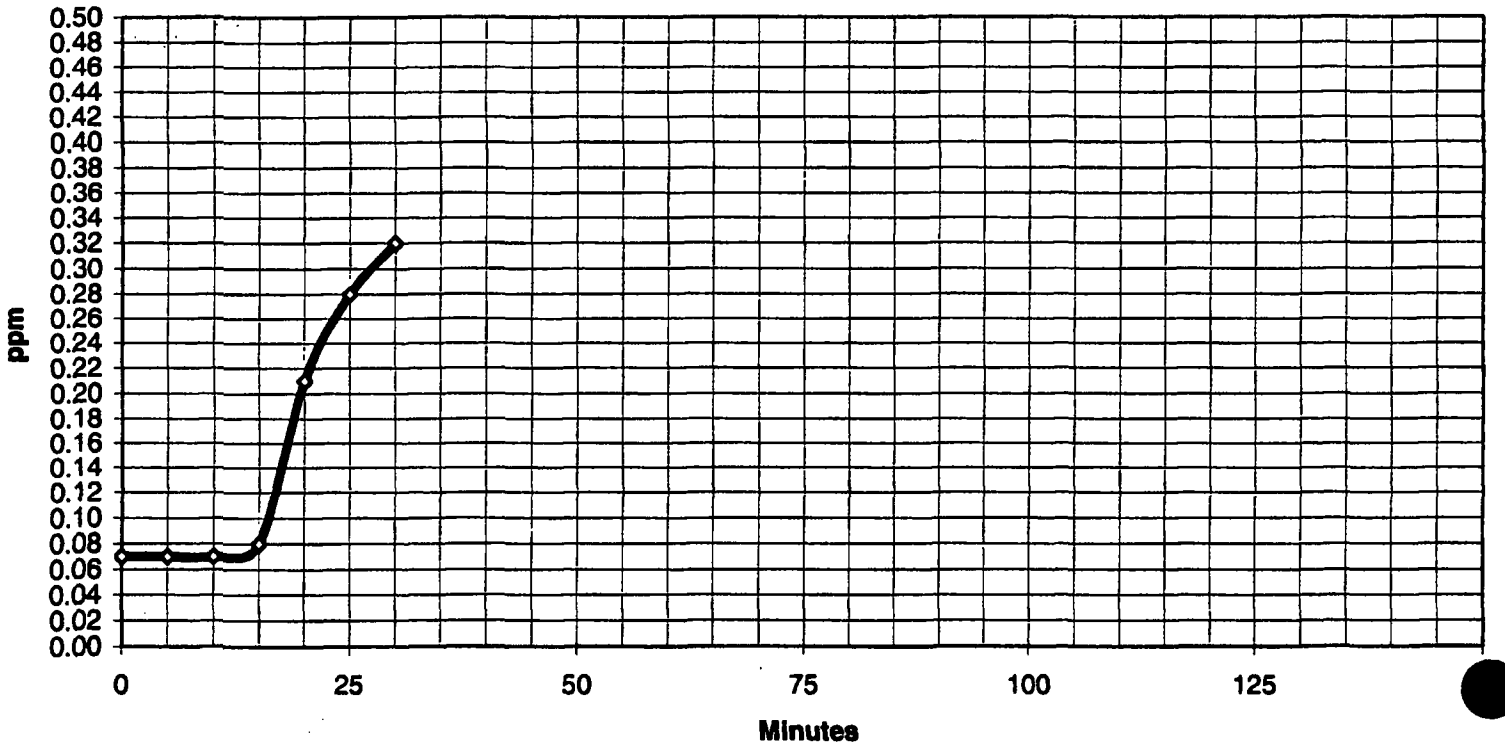
Date	Dosing Time (Minutes)	
	U-1	U-2
12/01/08	20	20
12/02/08	20	20
12/03/08	20	20
12/04/08	20	20
12/05/08	20	20
12/06/08	20	20
12/07/08	21	23

HALOGEN DOSING CURVE

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

Date: 12/02/08 Analyzed by: T.B.M. Unit: 2
Time: 10:49 Reviewed by: D.M.

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

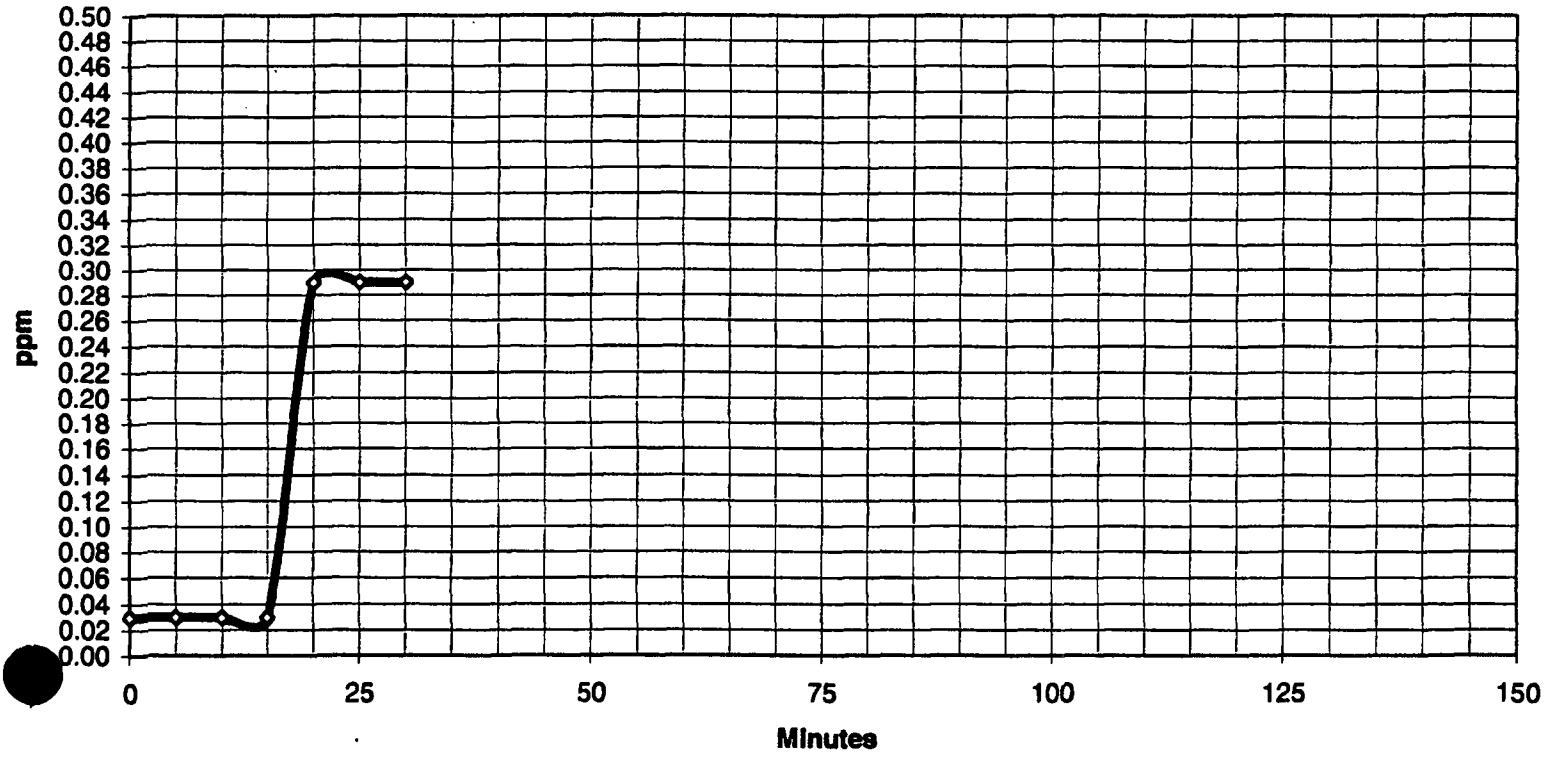
Date	Dosing Time (Minutes)	
	U-1	U-2
12/08/08	20	20
12/09/08	20	20
12/10/08	19	19
12/11/08	23	20
12/12/08	20	21
12/13/08	20	20
12/14/08	20	20

HALOGEN DOSING CURVE

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

Date: 12/08/08 Analyzed by: D.C.A. Unit: 1
Time: 12:09 Reviewed by: D.M.

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

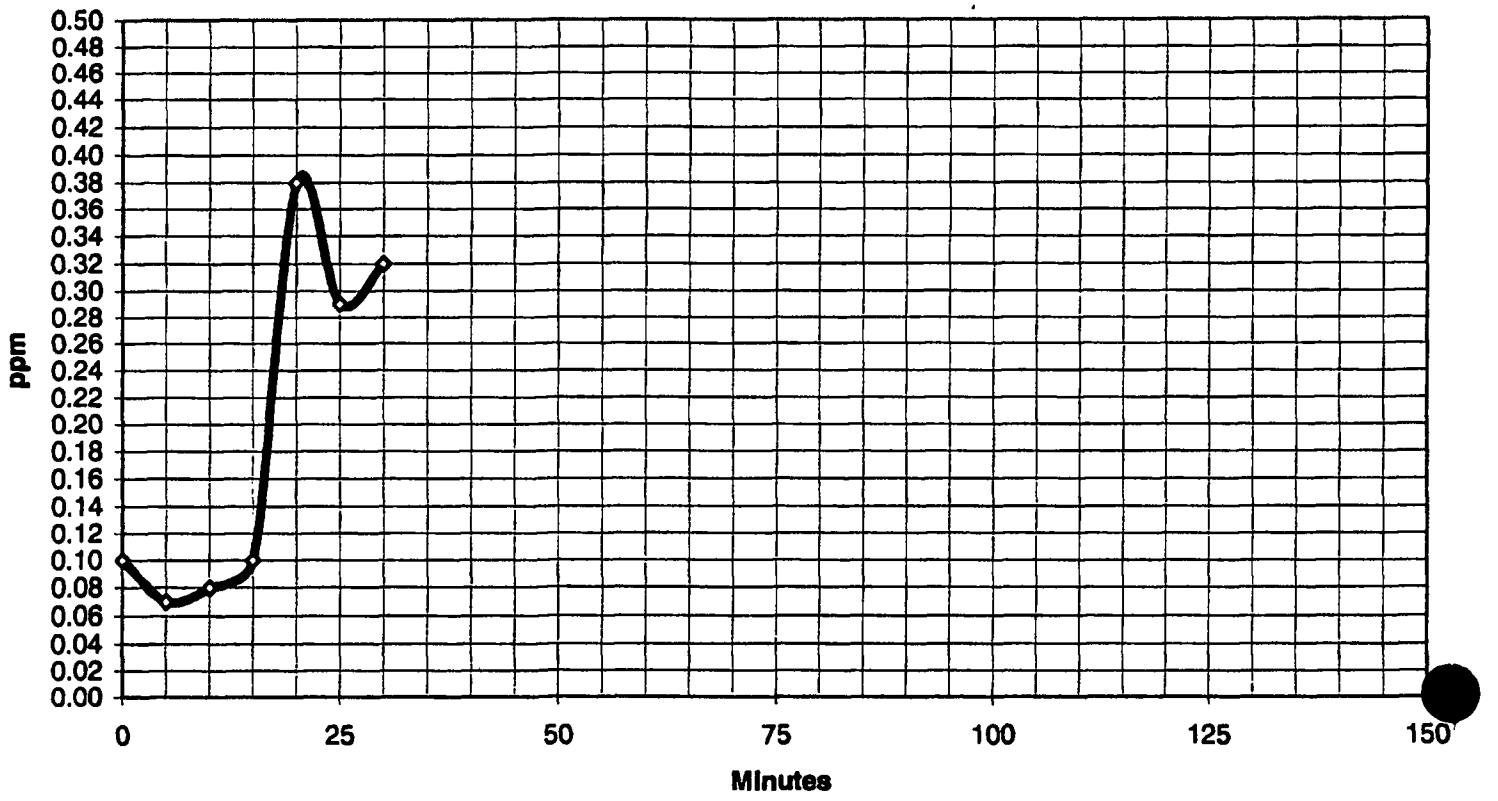
Date	Dosing Time (Minutes)	
	U-1	U-2
12/15/08	20	20
12/16/08	20	20
12/17/08	25	20
12/18/08	30	25
12/19/08	20	20
12/20/08	20	20
12/21/08	20	20

HALOGEN DOSING CURVE

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

Date: 12/15/08 Analyzed by: D.W.B. Unit: 2
Time: 10:40 Reviewed by: D.M.

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

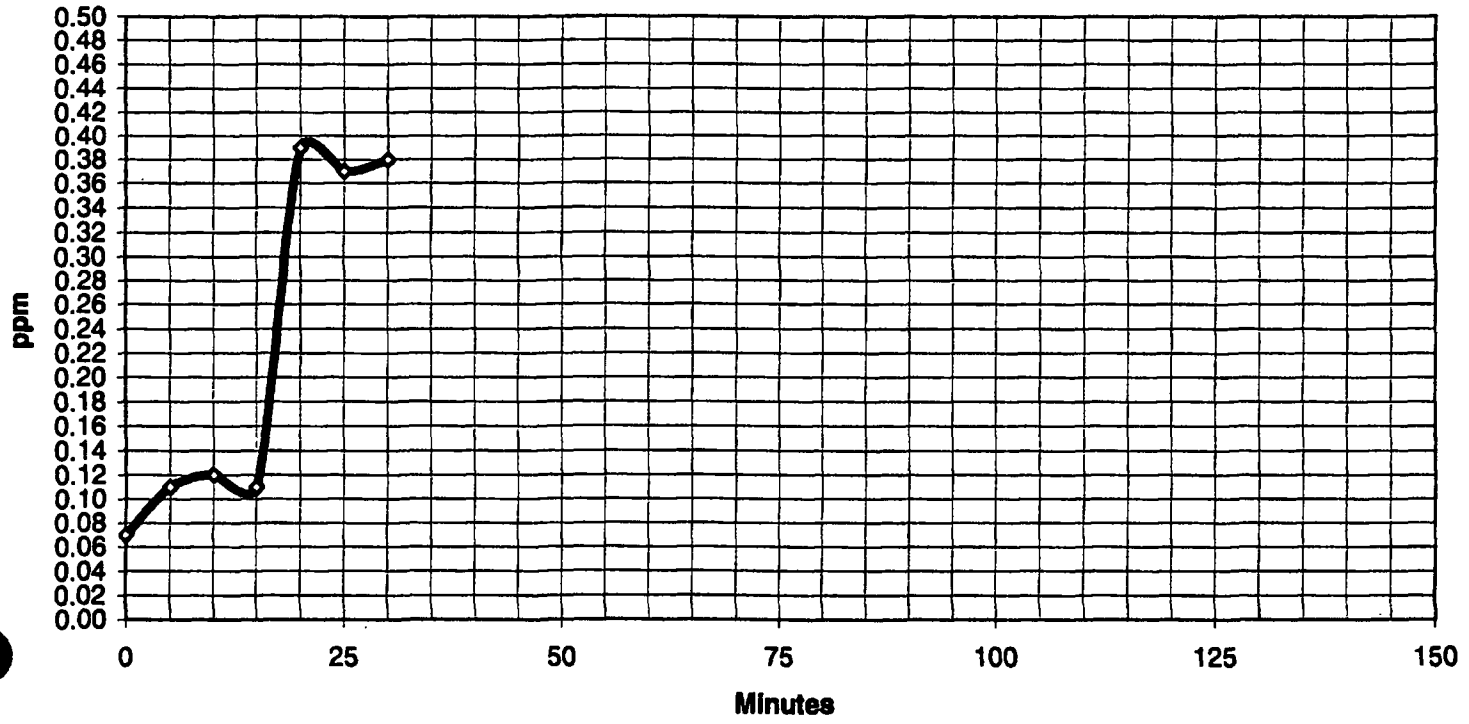
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
12/22/08	20	20	12/29/08	23	24
12/23/08	20	20	12/30/08	23	21
12/24/08	23	20	12/31/08	20	20
12/25/08	20	20			
12/26/08	20	20			
12/27/08	20	21			
12/28/08	22	21			

HALOGEN DOSING CURVE

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

Date: 12/22/08 Analyzed by: J.W. Unit: 1
Time: 11:08 Reviewed by: D.M.

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.



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

Zoe Cox

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

www.exeloncorp.com

Exelon Nuclear

February 19, 2009

LTR: BYRON 2009-0022
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 January 1, 2009 through January 31, 2009.

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	1.2	1.2	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 02	DAY 19

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 31 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.031	0.077	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	408-3700	09	02	19
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 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:	09	01	01	To:	09	01	31

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

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	< 0.07	< 0.12	(26)	-------	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	---	6.87	-------	7.56	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	---	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	<0.02	<0.03	(26)	-------	< 0.5	< 0.5	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.023	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	02	19

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

1. Flow existed through this outfall 29 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 9	0 1	0 1	To:	0 9	0 1	3 1

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.9	1.6	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	02	19

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 12 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.036	0.055	(03)	-------	-------	-------	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 02	DAY 19

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 0.5	< 0.5	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.023	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 02	DAY 19

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

1. 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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

••• 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	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		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 02	DAY 19

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. 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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

••• NO DISCHARGE [X] •••

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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	----------	----------	-----		500	
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	02	19
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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	----------	----------	----	8.40	----------	8.77	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.025	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	19.65	24.93	(03)	----------	----------	----------	-----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	----------	----------	----------	-----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	----------	----------	(26)	----------	0.06	0.43	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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 evalute 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	815 AREA CODE	406-3700 NUMBER	09 YEAR	02 MONTH	19 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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

*** NO DISCHARGE [X] ***

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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 02	DAY 19

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	01	01	To:	09	01	31

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

••• NO DISCHARGE [X] •••

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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
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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	02	19

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 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
01/03/09	120	73.2
01/10/09	120	70.8
01/17/09	120	70.2
01/24/09	120	63.9
01/31/09	120	72.4

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 2009.

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 2009

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

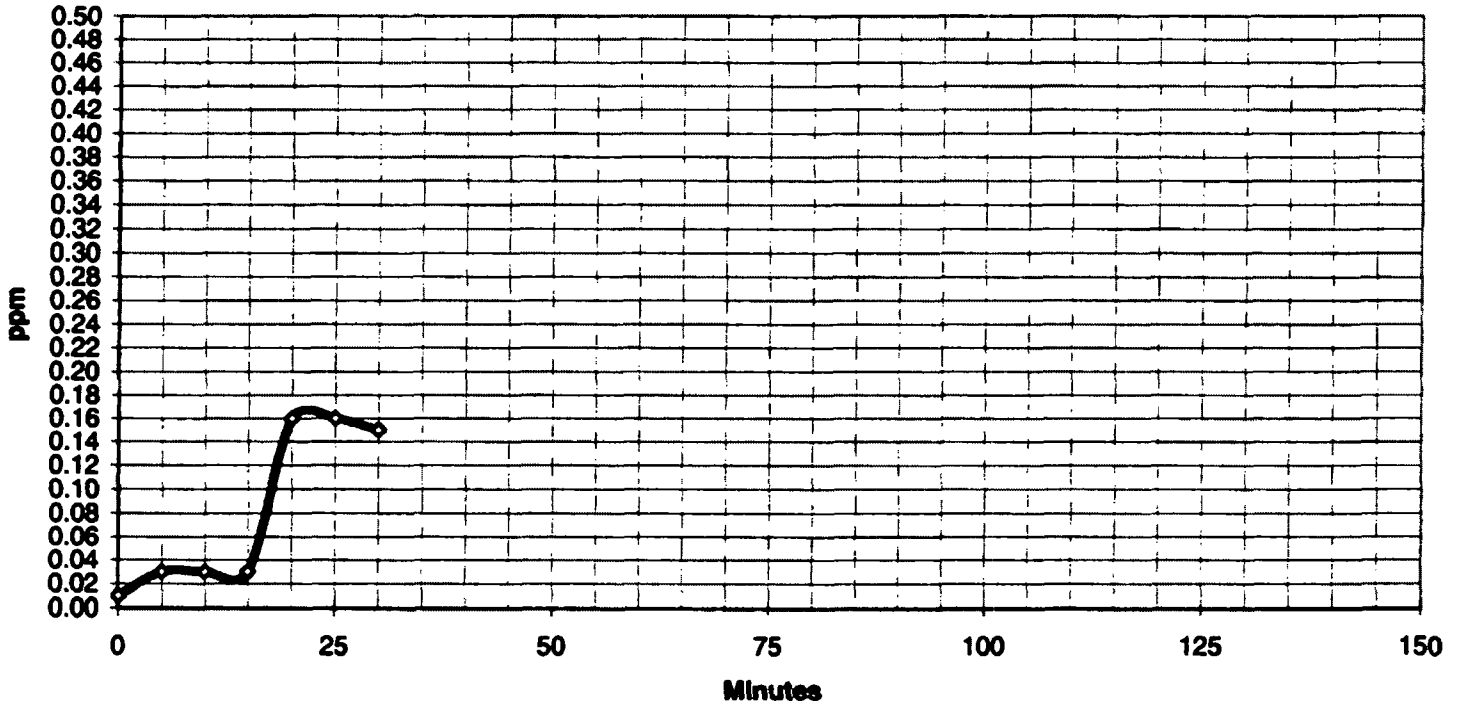
Date	Dosing Time (Minutes)	
	U-1	U-2
01/01/09	20	20
01/02/09	20	20
01/03/09	19	19
01/04/09	20	19

HALOGEN DOSING CURVE

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

Date: 01/02/09 Analyzed by: M.D. Unit: 2
Time: 12:31 Reviewed by: D.M.

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

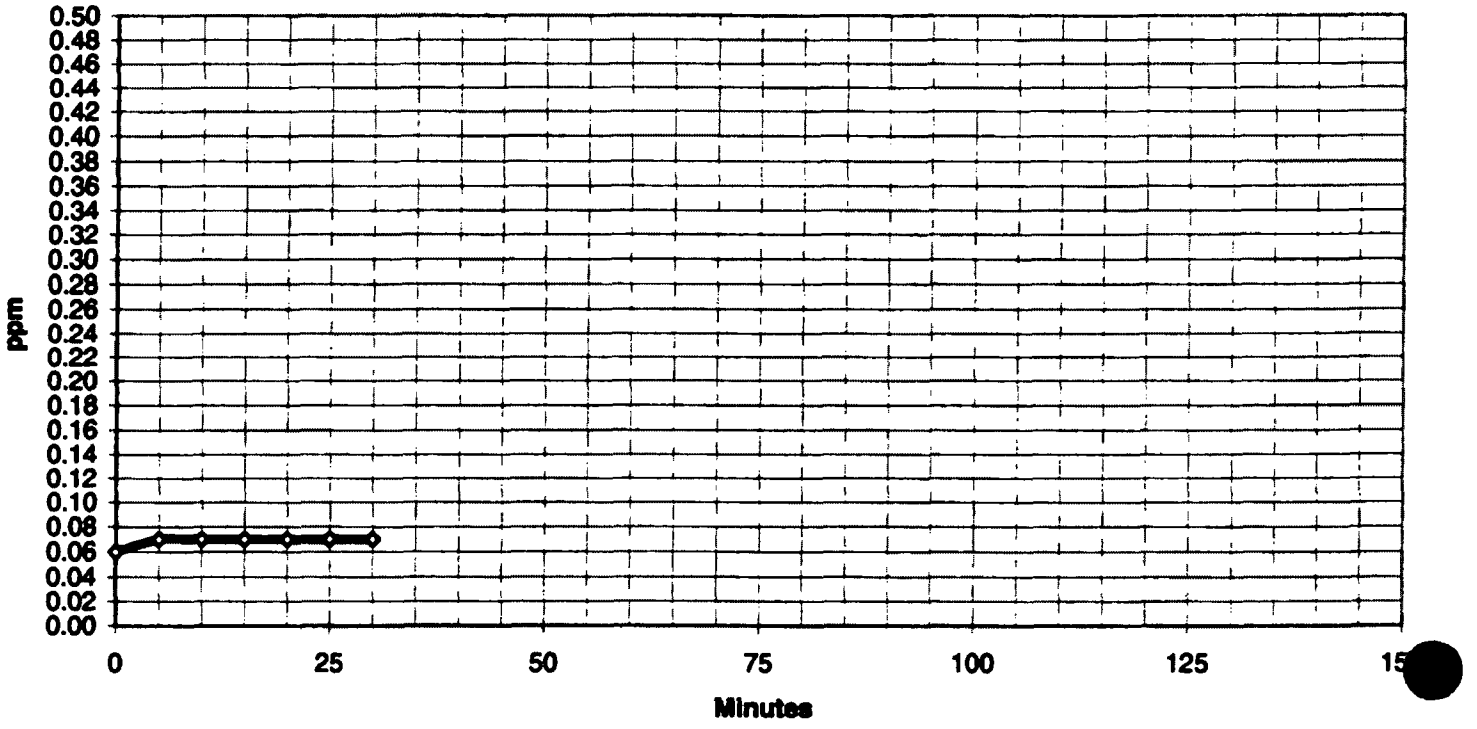
Date	Dosing Time (Minutes)	
	U-1	U-2
01/05/09	20	20
01/06/09	20	22
01/07/09	20	20
01/08/09	20	20
01/09/09	19	18
01/10/09	19	20
01/11/09	20	20

HALOGEN DOSING CURVE

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

Date: 01/08/09 Analyzed by: M.P. Unit: 1
Time: 10:07 Reviewed by: D. M.

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

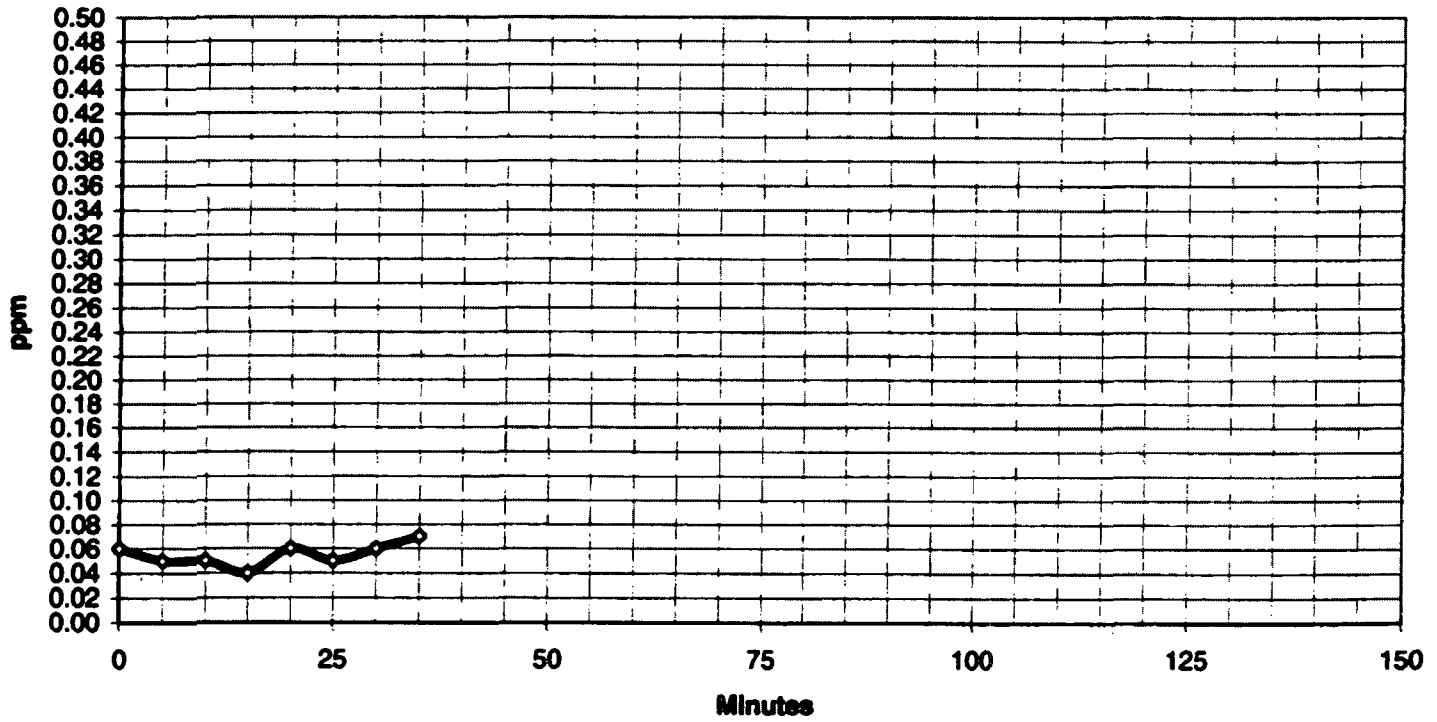
Date	Dosing Time (Minutes)	
	U-1	U-2
01/12/09	20	25
01/13/09	20	19
01/14/09	15	20
01/15/09	20	20
01/16/09	20	20
01/17/09	20	20
01/18/09	20	20

HALOGEN DOSING CURVE

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

Date: 01/12/09 Analyzed by: D. B. Unit: 2
Time: 10:16 Reviewed by: D. M.

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

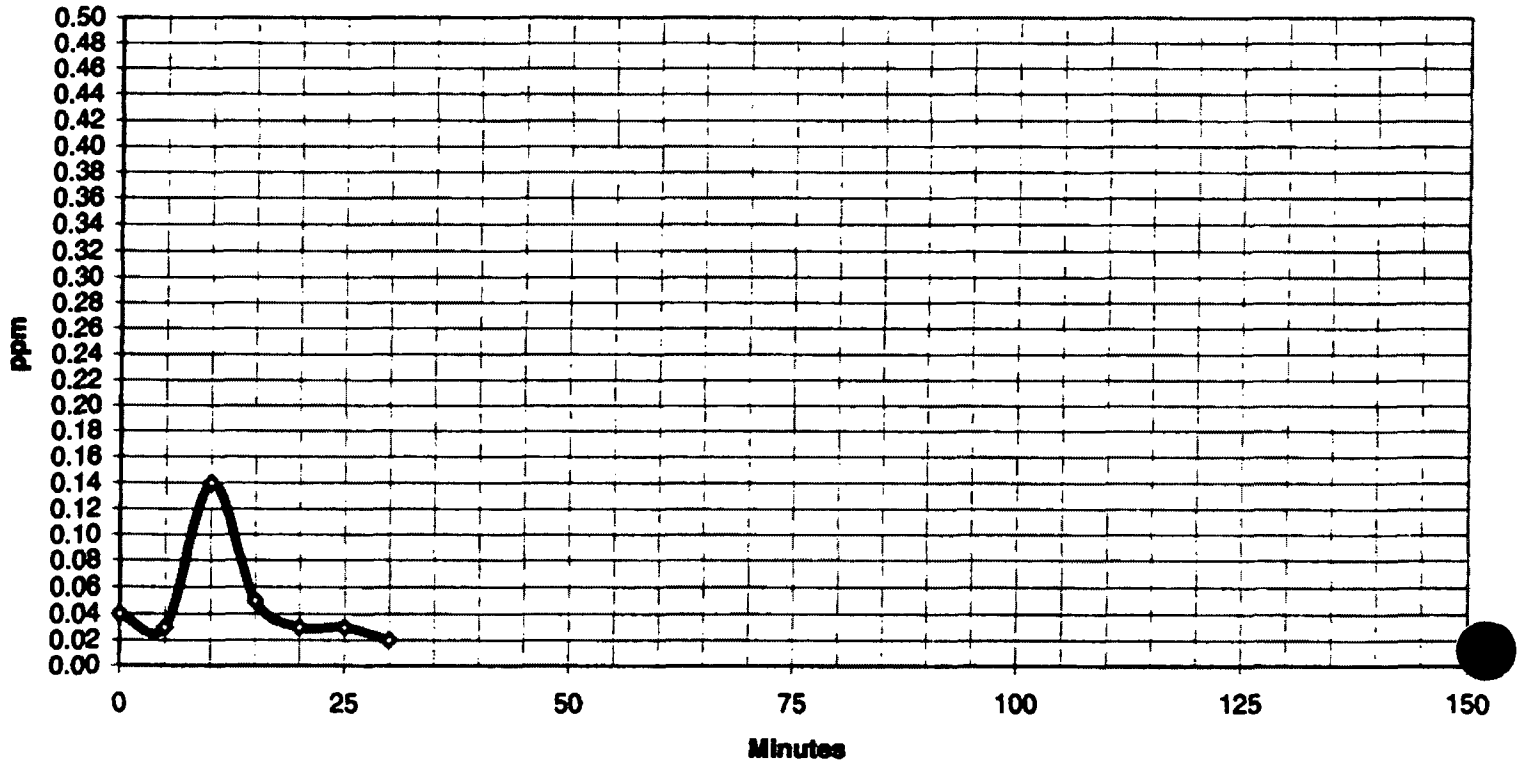
Date	Dosing Time (Minutes)	
	U-1	U-2
01/19/09	20	20
01/20/09	20	20
01/21/09	20	20
01/22/09	20	20
01/23/09	20	22
01/24/09	20	20
01/25/09	21	21

HALOGEN DOSING CURVE

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

Date: 01/21/09 Analyzed by: J.W. Unit: 1
Time: 10:22 Reviewed by: D. M.

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

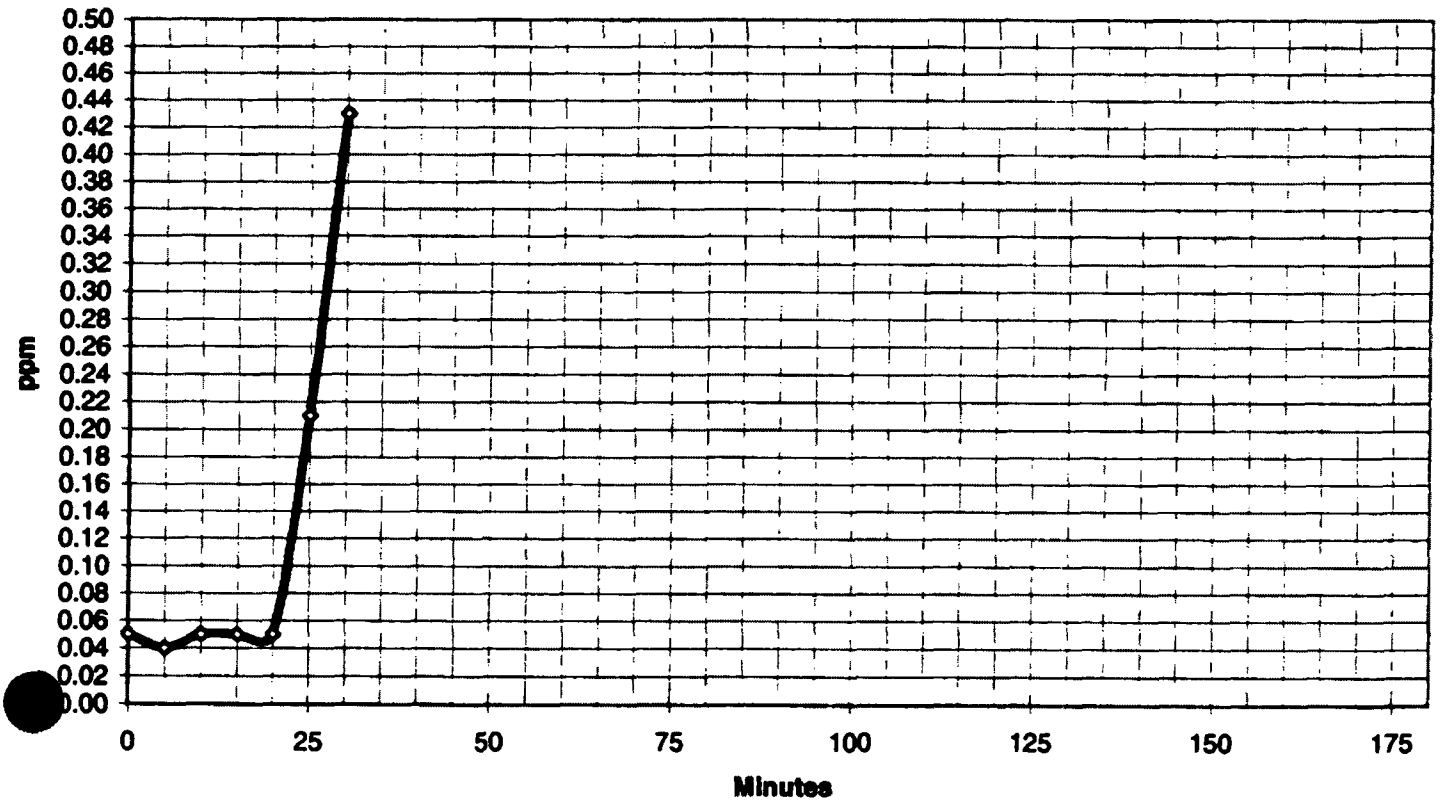
Date	Dosing Time (Minutes)	
	U-1	U-2
01/26/09	20	20
01/27/09	17	17
01/28/09	20	20
01/29/09	20	20
01/30/09	20	20
01/31/09	20	20

HALOGEN DOSING CURVE

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

Date: 01/26/09 Analyzed by: T. M. Unit: 2
Time: 11:10 Reviewed by: D. M.

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.



B. Cox

Exelon Nuclear

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

www.exeloncorp.com

March 19, 2009

LTR: BYRON 2009-0032
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 February 1, 2009 through February 28, 2009.

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.6	0.6	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-S
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 03	DAY 19

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 28 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.026	0.129	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	03	19

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

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:	09	02	01	To:	09	02	28

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)	SAMPLE MEASUREMENT	0.15	0.17	(26)	-------	2.5	2.6	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	---	7.27	-------	7.59	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	---	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.14	0.19	(26)	-------	2.3	2.8	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.006	0.010	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 408-3700	YEAR 09	MONTH 03	DAY 19

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.9	2.0	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	09	03	19

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 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.8	3.0	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.024	0.039	(03)	----------	----------	----------	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 03	DAY 19

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.4	< 0.5	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 2.1	4.1	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.021	0.023	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	03	19

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

1. Flow existed through this outfall 8 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

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

••• 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	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		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 408-3700	YEAR 09	MONTH 03	DAY 19

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 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.8	1.7	(19)	0	280	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.075	0.126	(03)	------	----------	----------	----	0	280	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	03	19

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

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	----------	----------	----	7.85	----------	8.77	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	----	6.0 MINIMUM	------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.030	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	19.09	25.98	(03)	----------	----------	----------	----	0	135	CN
50050 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	0.26	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
61313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	LBS/DY	------	------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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.	815	406-3700	09	03	19
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

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

••• NO DISCHARGE [X] •••

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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	09	03	19

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	02	01	To:	09	02	28

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

*** NO DISCHARGE [X] ***

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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	---			
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 03	DAY 19

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 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
02/07/09	120	74.3
02/14/09	120	60.5
02/21/09	120	69.0
02/28/09	120	64.1

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 2009.

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 2009

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

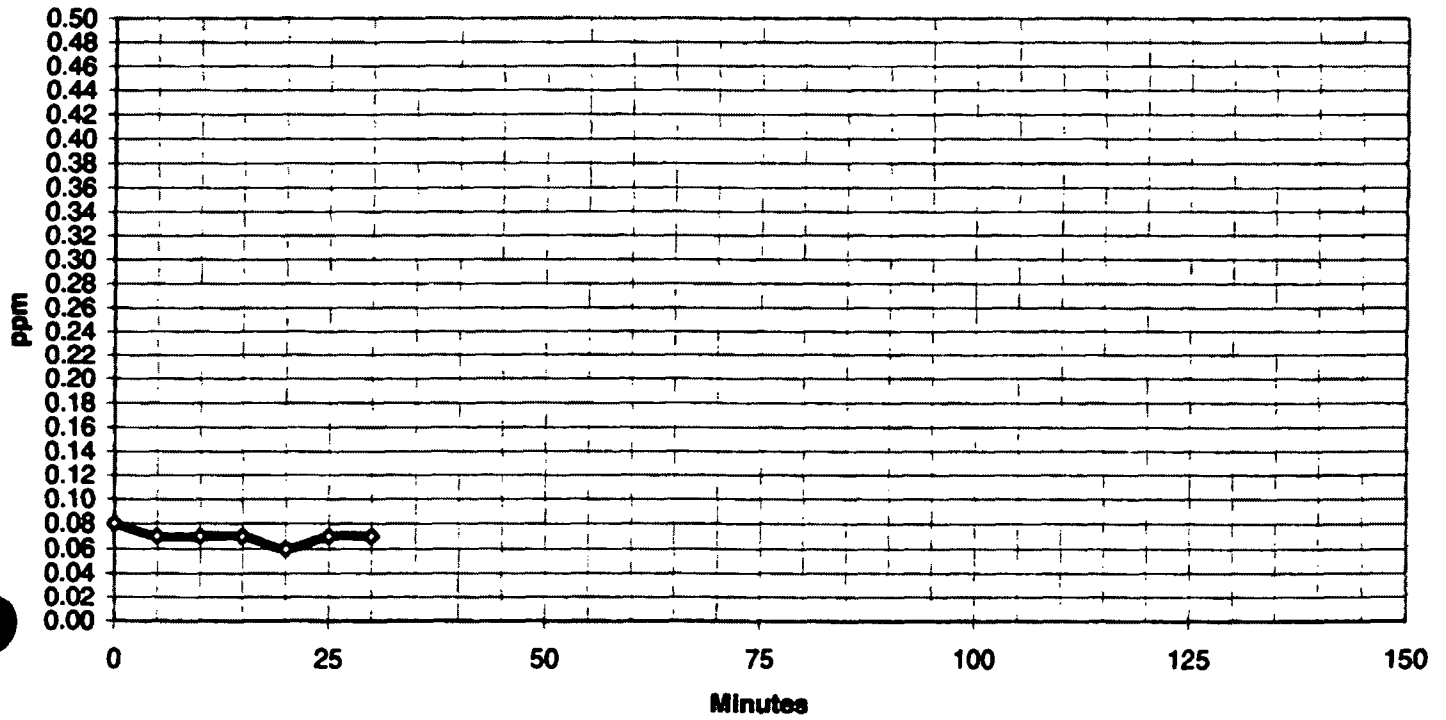
Date	Dosing Time (Minutes)	
	U-1	U-2
02/01/09	20	20
02/02/09	20	20
02/03/09	20	20
02/04/09	20	20
02/05/09	20	20
02/06/09	19	18
02/07/09	18	19
02/08/09	18	15

HALOGEN DOSING CURVE

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

Date: 02/02/09 Analyzed by: M.P. Unit: 1
Time: 11:58 Reviewed by: D.M.

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

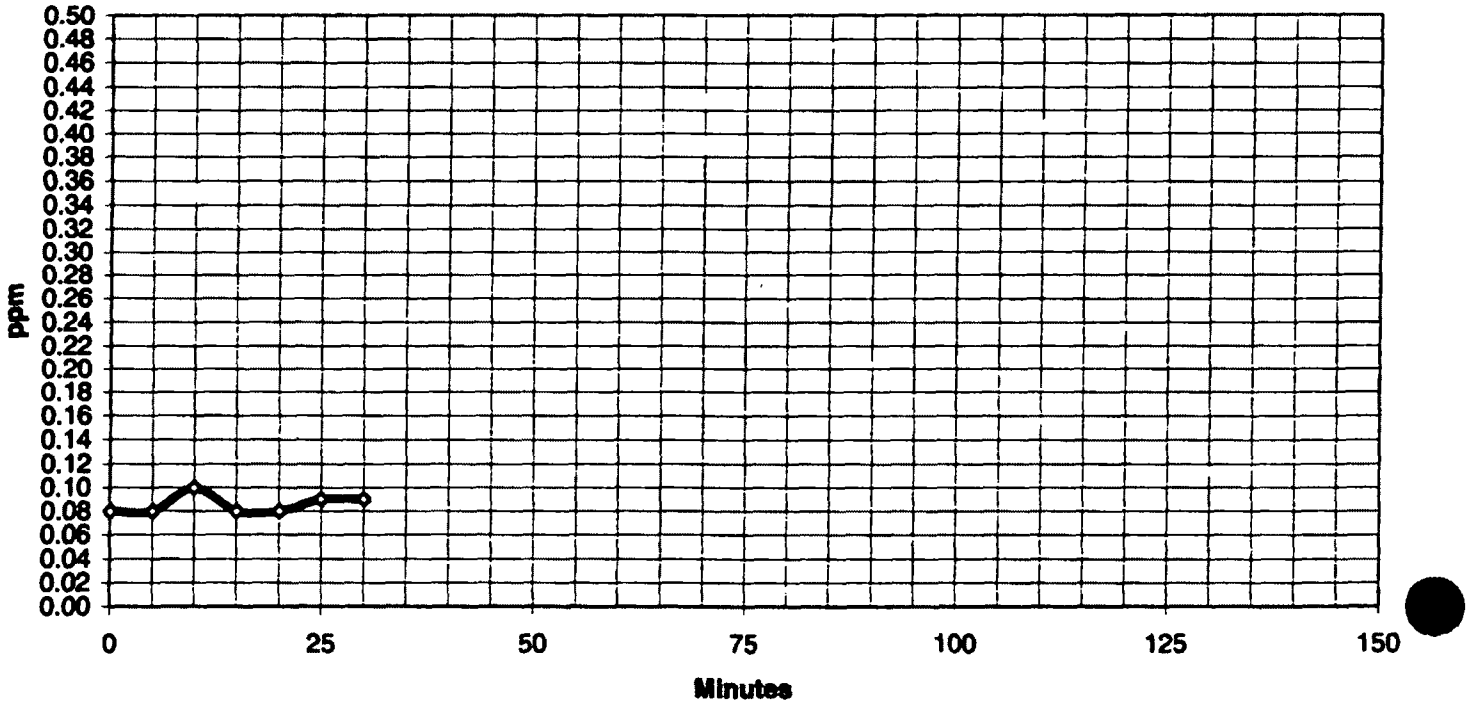
Date	Dosing Time (Minutes)	
	U-1	U-2
02/09/09	20	20
02/10/09	20	21
02/11/09	17	18
02/12/09	17	17
02/13/09	20	20
02/14/09	20	20
02/15/09	20	20

HALOGEN DOSING CURVE

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

Date: 02/09/09 Analyzed by: D.C.A. Unit: 2
Time: 10:27 Reviewed by: D.M.

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

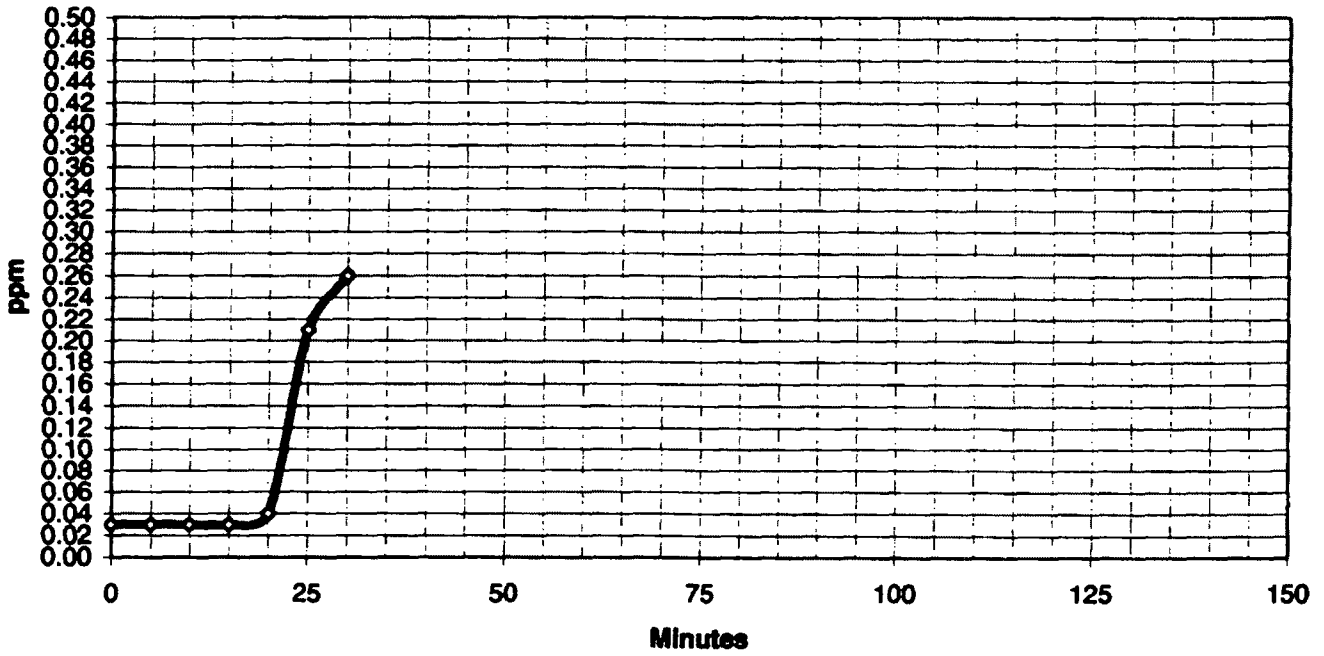
Date	Dosing Time (Minutes)	
	U-1	U-2
02/16/09	20	20
02/17/09	16	20
02/18/09	20	20
02/19/09	20	20
02/20/09	20	20
02/21/09	19	18
02/22/09	20	19

HALOGEN DOSING CURVE

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

Date: 02/16/09 Analyzed by: M.P. Unit: 1
Time: 11:40 Reviewed by: D.M.

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

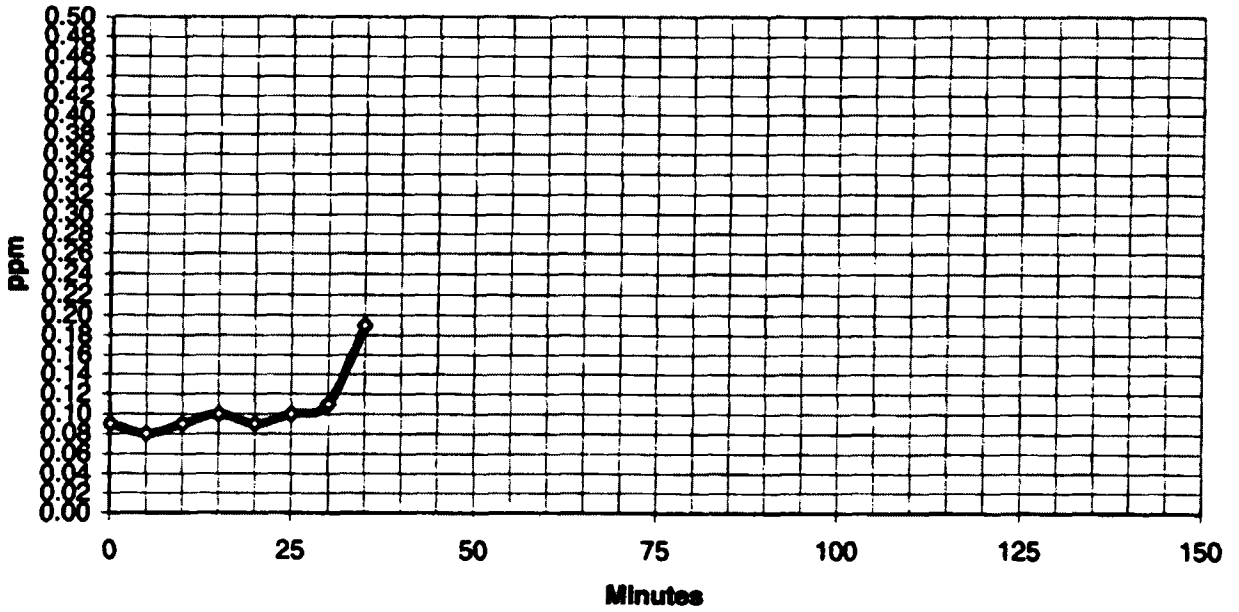
Date	Dosing Time (Minutes)	
	U-1	U-2
02/23/09	25	25
02/24/09	25	25
02/25/09	28	27
02/26/09	27	25
02/27/09	25	25
02/28/09	25	25

HALOGEN DOSING CURVE

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

Date: 02/23/09 Analyzed by: D.C.A. Unit: 2
Time: 12:40 Reviewed by: D.M.

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.



Z. Cox

Exelon Nuclear

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

www.exeloncorp.com

April 20, 2009

LTR: BYRON 2009-0050
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, 2009 through March 31, 2009.

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	———	———	(26)	———	< 0.7	< 0.7	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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.	815	408-3700	09	04	20
TYPED OR PRINTED	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	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 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 9	0 3	0 1	To:	0 9	0 3	3 1

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.012	0.086	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	09	04	20

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

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:	09	03	01	To:	09	03	31

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)	SAMPLE MEASUREMENT	< 0.14	< 0.20	(26)	-------	< 2.0	< 2.0	(19)	0	2/90	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	-------	-------	----	7.21	-------	7.32	(12)	0	2/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	< 0.06	0.09	(26)	-------	< 0.7	0.9	(19)	0	2/90	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.008	0.015	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	04	20

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

1. Flow existed through this outfall 30 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.2	3.4	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 408-3700	YEAR 09	MONTH 04	DAY 20

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 20 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	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 2.3	2.9	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.025	0.043	(03)	-------	-------	-------	-----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE	NUMBER	YEAR	MONTH	DAY
			815	406-3700	09	04	20

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.4	< 0.5	(19)	0	240	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.4	< 1.4	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.022	0.023	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	04	20

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

1. Flow existed through this outfall 3 of 31 days during the month.

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

OCR0501

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

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	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

*** 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	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		TELEPHONE		DATE		
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	AREA CODE 815 / NUMBER 406-3700	YEAR 09	MONTH 04	DAY 20

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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

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

*** 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.6	1.8	(19)	0	260	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.469	0.784	(03)	-------	-------	-------	----	0	260	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
815	406-3700	09	04	20
AREA CODE	NUMBER	YEAR	MONTH	DAY

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

1. Flow is based on actual totalizer reading and an estimate due to totalizer malfunction in March. The totalizer was returned to normal on March 25, 2009.

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	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 9	0 3	0 1	To:	0 9	0 3	3 1

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	-------	-------	----	7.94	-------	8.77	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.011	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.106	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	19.77	25.40	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-------	-------	-------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.08	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	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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	AREA CODE 815 / NUMBER 406-3700	YEAR 09	MONTH 04	DAY 20

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

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

••• 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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
815	406-3700	09	04	20
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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	03	01	To:	09	03	31

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

••• 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG.	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	-------	-------	-------	---			
50050 1 0 0 EFFLUENT GROSS VALUE	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	04	20

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 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
03/07/09	120	70.7
03/14/09	120	67.5
03/21/09	120	75.0
03/28/09	120	65.1

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 2009.

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 2009

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

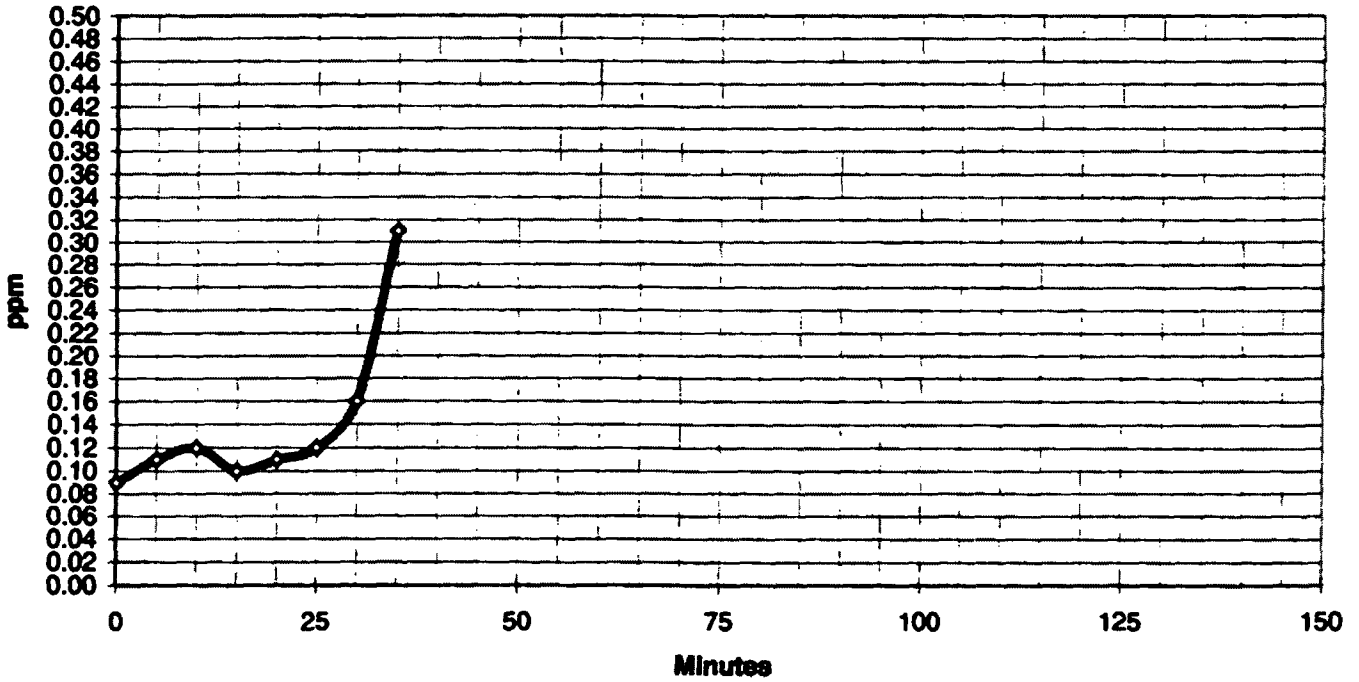
Date	Dosing Time (Minutes)	
	U-1	U-2
03/01/09	25	25
03/02/09	25	25
03/03/09	25	25
03/04/09	25	25
03/05/09	25	25
03/06/09	27	26
03/07/09	27	26
03/08/09	25	25

HALOGEN DOSING CURVE

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

Date: 03/02/09 Analyzed by: G. S. Unit: 1
Time: 10:25 Reviewed by: D. M.

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

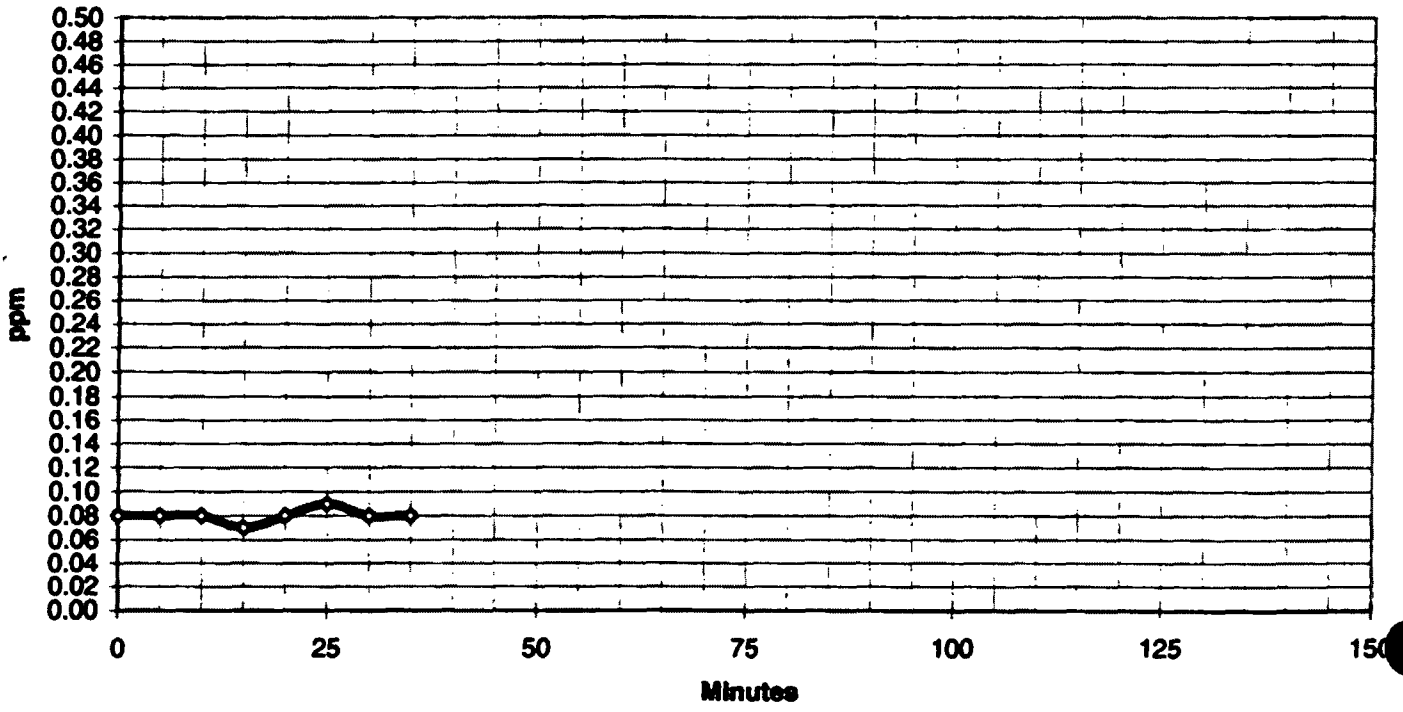
Date	Dosing Time (Minutes)	
	U-1	U-2
03/09/09	25	25
03/10/09	25	25
03/11/09	25	25
03/12/09	25	28
03/13/09	25	25
03/14/09	25	25
03/15/09	25	25

HALOGEN DOSING CURVE

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

Date: 03/09/09 Analyzed by: M. H. Unit: 2
Time: 12:33 Reviewed by: D. M.

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

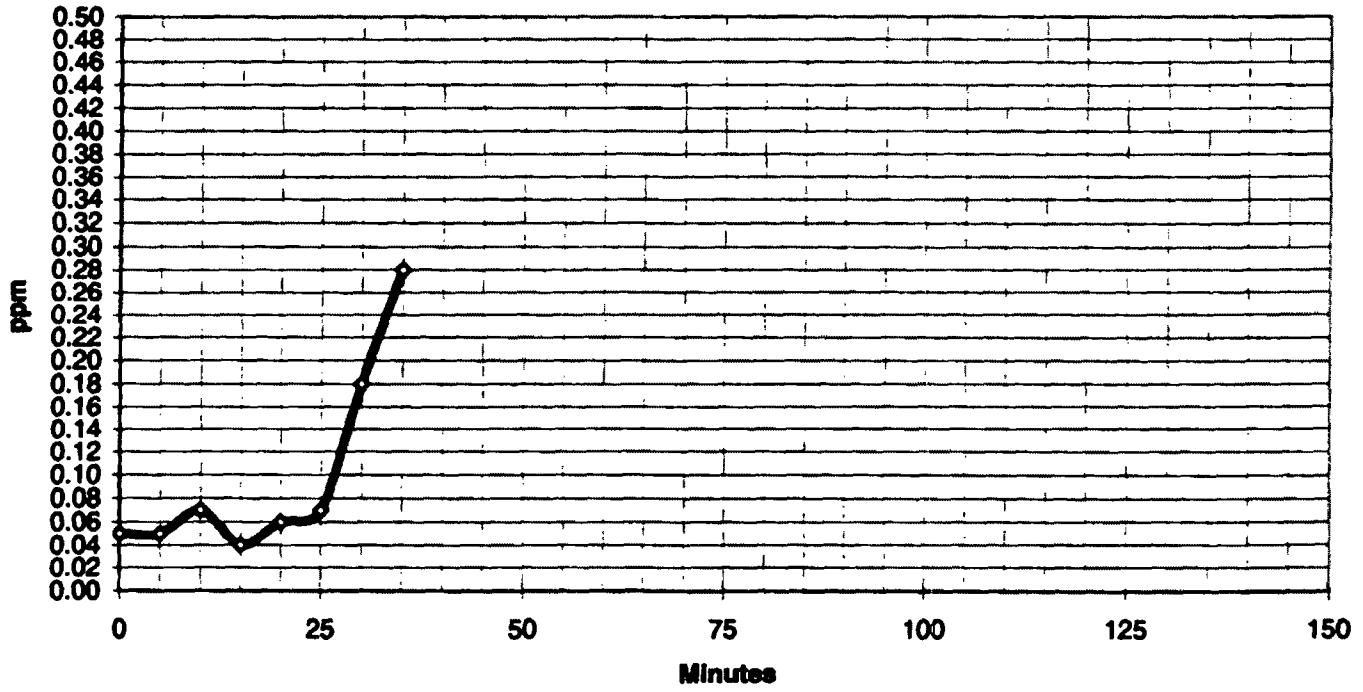
Date	Dosing Time (Minutes)	
	U-1	U-2
03/16/09	25	25
03/17/09	25	25
03/18/09	24	25
03/19/09	25	25
03/20/09	25	25
03/21/09	25	27
03/22/09	25	25

HALOGEN DOSING CURVE

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

Date: 03/16/09 Analyzed by: J. P. Unit: 1
Time: 11:19 Reviewed by: D. M.

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

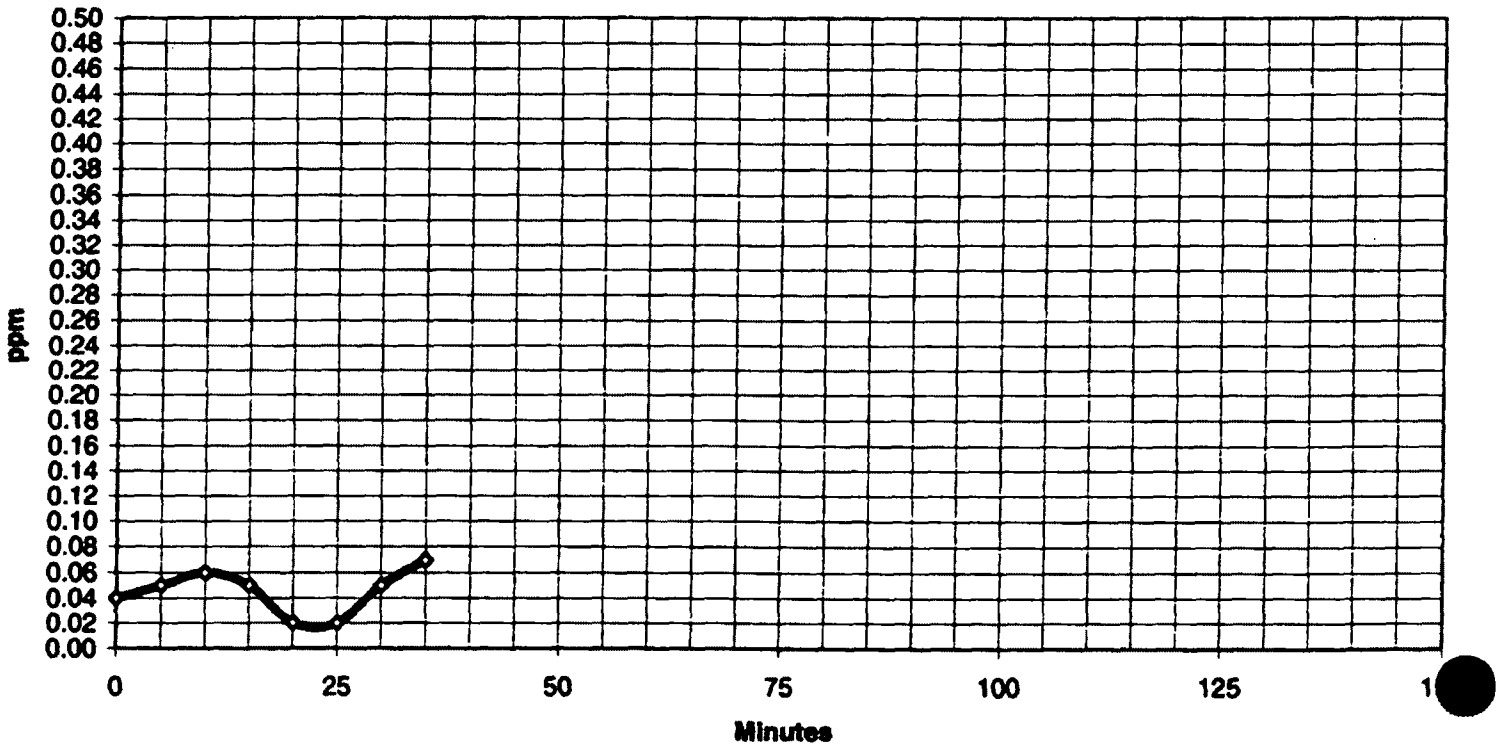
Date	Dosing Time (Minutes)	
	U-1	U-2
03/23/09	25	25
03/24/09	25	25
03/25/09	25	25
03/26/09	26	25
03/27/09	25	25
03/28/09	25	25
03/29/09	25	25

HALOGEN DOSING CURVE

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

Date: 03/24/09 Analyzed by: J. W. Unit: 2
Time: 12:56 Reviewed by: D. M.

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

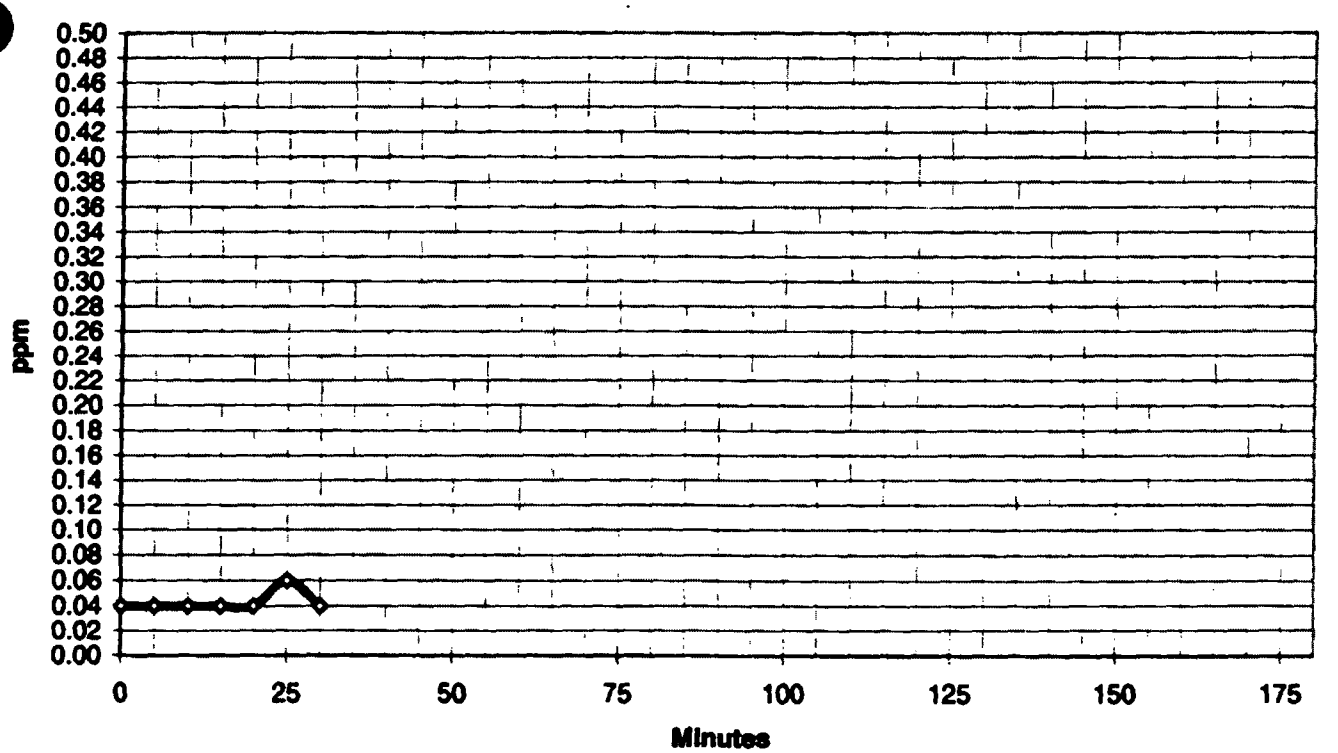
Date	Dosing Time (Minutes)	
	U-1	U-2
03/30/09	25	25
03/31/09	25	25

HALOGEN DOSING CURVE

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

Date: 03/30/09 Analyzed by: M. D. Unit: 1
Time: 11:35 Reviewed by: D. M.

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

Exelon Nuclear

May 18, 2009

LTR: BYRON 2009-0058
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, 2009 through April 30, 2009.

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.8	0.8	(19)	0	285	EC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		ONCE/ MONTH	COMP-8
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	05	18
TYPED OR PRINTED			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 29 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.027	0.110	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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										

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	05	18

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

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

IL0048313	B01 0
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

••• 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)	SAMPLE MEASUREMENT	< 0.12	< 0.20	(26)	———	< 2.0	< 2.0	(19)	0	290	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	———	———	----	7.29	———	7.56	(12)	0	290	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	----	6.0 MINIMUM	———	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.03	0.05	(26)	———	0.7	0.8	(19)	0	290	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.007	0.012	(03)	———	———	———	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 408-3700	YEAR 09	MONTH 05	DAY 18

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

1. Flow existed through this outfall 29 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.9	1.2	(19)	0	240	DC
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
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
NICKEL, TOTAL (AS NI)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 05	DAY 18

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 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.9	3.6	(19)	0	240	GR
03582 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.032	0.062	(03)	———	———	———	----	0	135	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 05	DAY 18

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
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	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 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			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 05	DAY 18

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

1. Flow existed through this outfall 4 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

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

••• 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	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	05	18
TYPED OR PRINTED			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 8 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

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

*** 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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	< 1.6	1.8	(19)	0	280	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.204	0.565	(.03)	-------	----------	----------	-----	0	280	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	05	18
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MONTH	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 60555

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

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	----------	----------	----	8.39	----------	8.74	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	----	6.0 MINIMUM	----------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.016	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------	0.039	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	19.43	25.81	(03)	----------	----------	----------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	----------	----------	----------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	----------	----------	(26)	----------	0.15	0.35	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	----------	----------	(26)	----------	----------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	----------	----------	LBS/DY	----------	----------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 05	DAY 18

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

OCR0501

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

••• NO DISCHARGE [X] •••

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			TELEPHONE		DATE		
Bradley J. Adams Plant Manager	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	815	406-3700	09	05	18
TYPED OR PRINTED			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 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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	04	01	To:	09	04	30

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

••• NO DISCHARGE [X] •••

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)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)			
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	———	———	(26)	———			(19)			
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT			(03)	----------	----------	----------	----			
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
Bradley J. Adams Plant Manager	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	815	406-3700	09	05	18
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MONTH	DAY

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.

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
April 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
04/04/09	120	73.3
04/11/09	120	72.5
04/20/09	120	73.2
04/25/09	120	87.3

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 April 2009.

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
April 2009

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

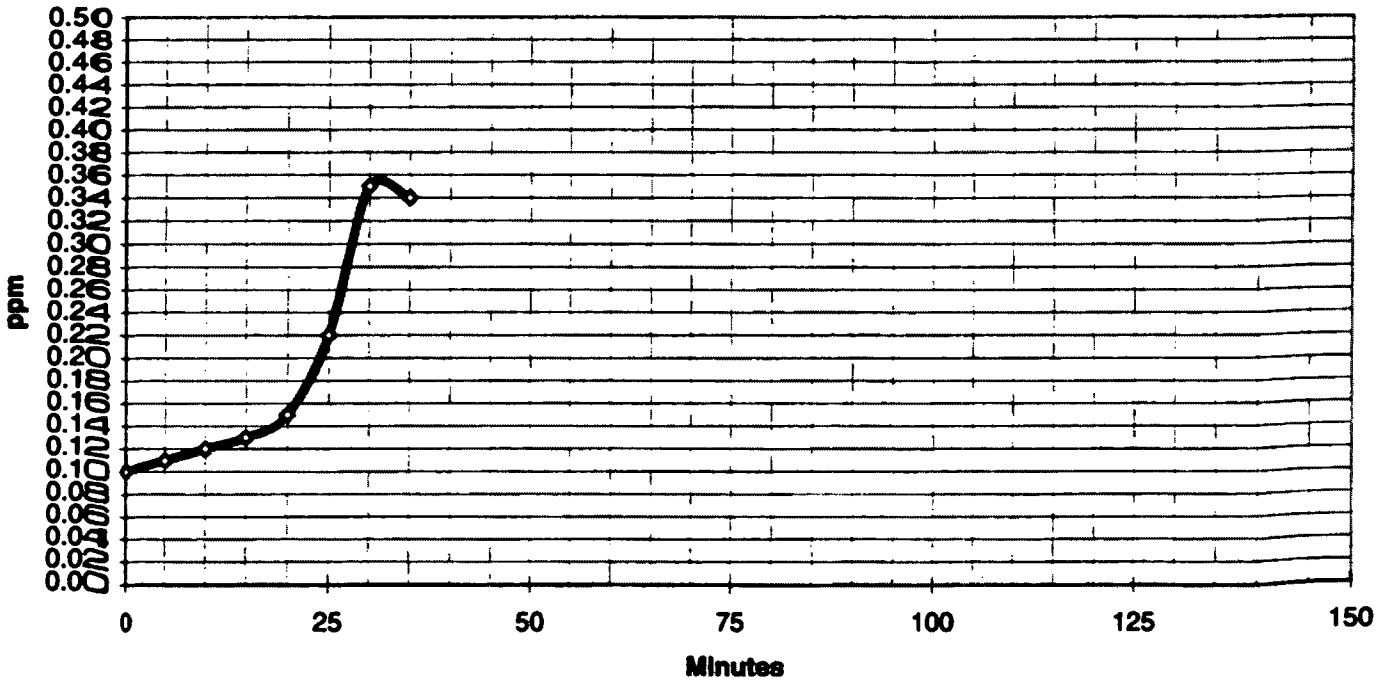
Date	Dosing Time (Minutes)		Date	Dosing Time (Minutes)	
	U-1	U-2		U-1	U-2
04/01/09	25	25	04/08/09	25	25
04/02/09	25	25	04/09/09	25	25
04/03/09	27	25	04/10/09	25	25
04/04/09	25	25	04/11/09	25	25
04/05/09	25	25	04/12/09	25	25
04/06/09	25	25			
04/07/09	25	25			

HALOGEN DOSING CURVE

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

Date: 04/06/09 Analyzed by: J.P. Unit: 2
Time: 10:19 Reviewed by: D.M.

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

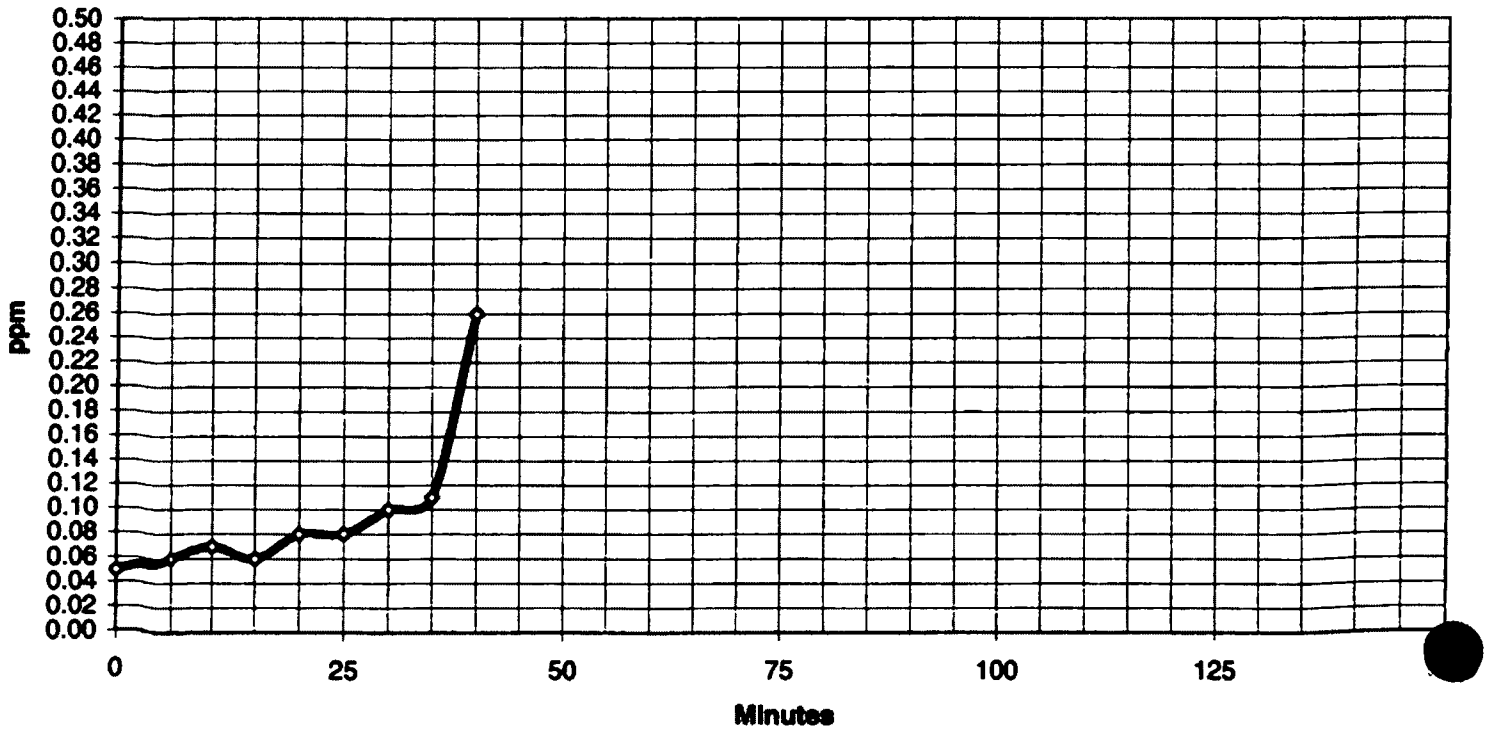
Date	Dosing Time (Minutes)	
	U-1	U-2
04/13/09	30	30
04/14/09	30	30
04/15/09	30	30
04/16/09	31	30
04/17/09	30	30
04/18/09	30	31
04/19/09	30	30

HALOGEN DOSING CURVE

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

Date: 04/13/09 Analyzed by: G. S. Unit: 1
Time: 11:00 Reviewed by: D. M.

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

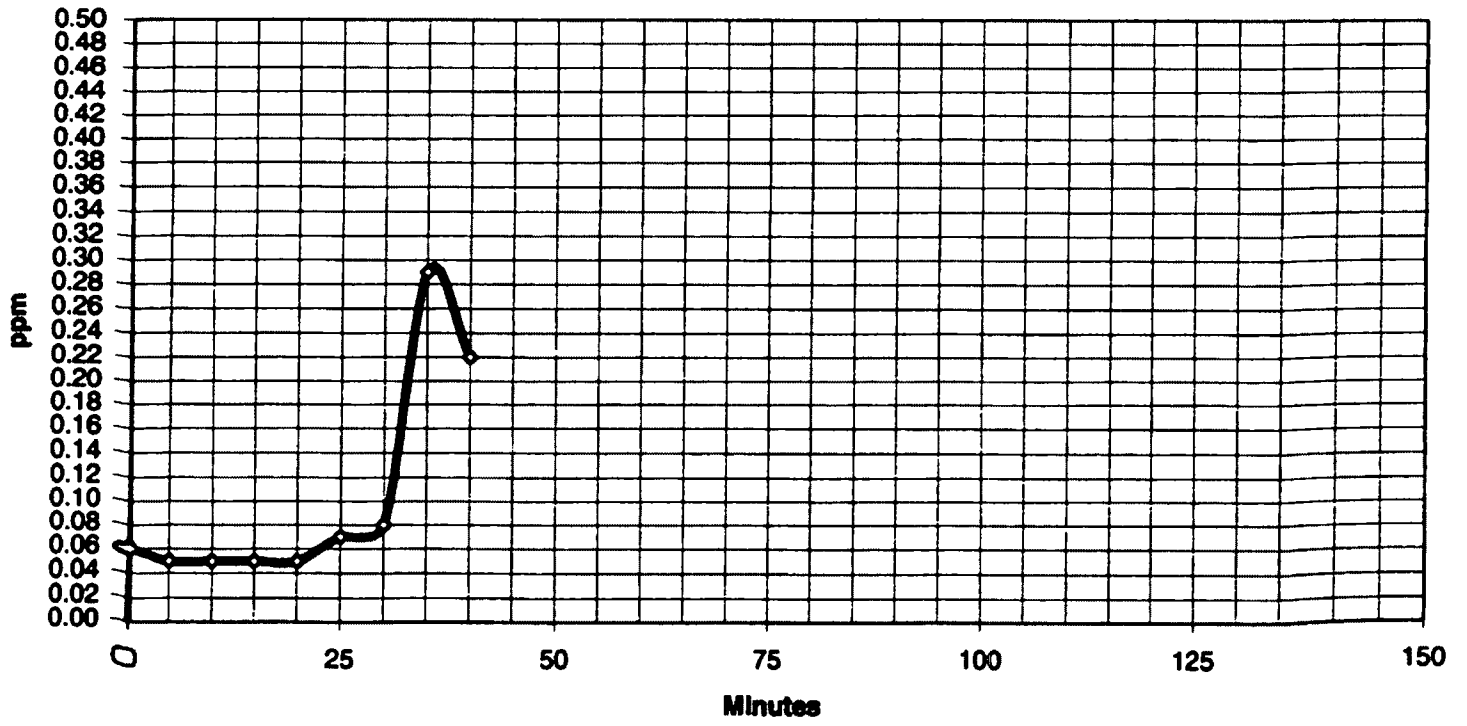
Date	Dosing Time (Minutes)	
	U-1	U-2
04/20/09	30	30
04/21/09	30	30
04/22/09	30	35
04/23/09	30	30
04/24/09	30	30
04/25/09	30	30
04/26/09	30	30

HALOGEN DOSING CURVE

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

Date: 04/20/09 Analyzed by: M. H. Unit: 2
Time: 10:40 Reviewed by: D. M.

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

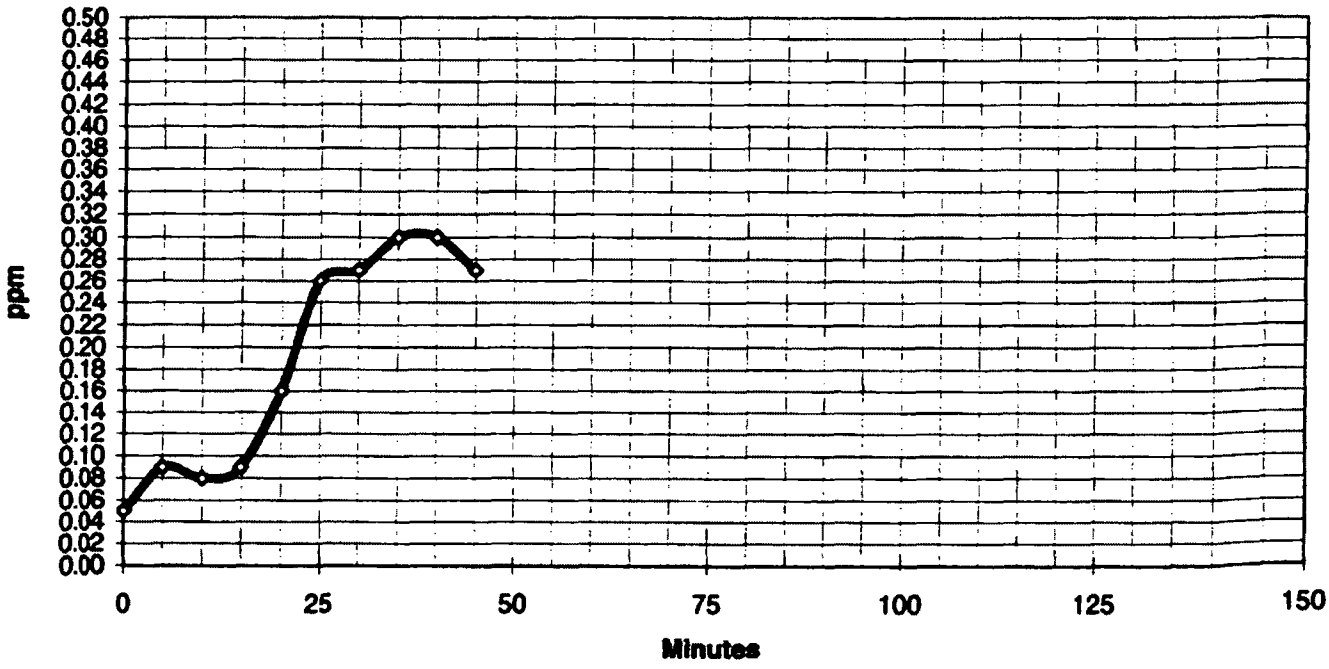
Date	Dosing Time (Minutes)	
	U-1	U-2
04/27/09	33	33
04/28/09	31	31
04/29/09	30	30
04/30/09	30	30

HALOGEN DOSING CURVE

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

Date: 04/27/09 Analyzed by: D.C.A. Unit: 1
Time: 11:20 Reviewed by: D. M.

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

Exelon Nuclear

June 19, 2009

LTR: BYRON 2009-0065
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 May 1, 2009 through May 31, 2009.

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	———	———	(26)	———	2.7	2.7	(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) 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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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 evalute 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	815 (AREA CODE)	408-3700 (NUMBER)	09 (YEAR)	06 (MONTH)	19 (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 31 of 31 days during this month.

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

OCR0501

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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	0 9	0 5	0 1	To:	0 9	0 5	3 1

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

METER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
0 0	SAMPLE MEASUREMENT	----------	----------	(26)	----------			(19)		500	
ROSS VALUE	PERMIT REQUIREMENT			LBS/DY	----------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
NDUIT OR MENT PLANT	SAMPLE MEASUREMENT	0.014	0.080	(03)	----------	----------	----------	----	0	135	CN
0 0	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	----------	----------	----------	----		DAILY	CONTIN
ROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

TITLE
CUTIVE OFFICER

J. Adams

lanager

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	06	19

ND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

OCR0501

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

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

IL0048313	B01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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			
00530 1 0 PASS VALUE	SAMPLE MEASUREMENT	< 0.10	< 0.12	(26) LBS/DY	-------	< 2.0	< 2.0	(19) MG/L	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX		-------	30.0 30 DAY AVG	60.0 DAILY MAX			TWICE/ MONTH	COMP24
00400 1 0 PASS VALUE	SAMPLE MEASUREMENT	-------	-------	---- ----	7.39	-------	7.50	(12) SU	0	290	GR
	PERMIT REQUIREMENT	-------	-------		6.0 MINIMUM	-------	9.0 MAXIMUM			TWICE/ MONTH	GRAB
00530 1 0 PASS VALUE	SAMPLE MEASUREMENT	< 0.06	0.08	(26) LBS/DY	-------	< 1.3	2.0	(19) MG/L	0	290	DC
	PERMIT REQUIREMENT	14.2 30 DAY AVG	28.5 DAILY MAX		-------	30.0 30 DAY AVG	60.0 DAILY MAX			TWICE/ MONTH	COMP24
50050 QUIT OR ENT PLANT 00 0 PASS VALUE	SAMPLE MEASUREMENT	0.007	0.012	(03) MGD	-------	-------	-------	---- ----	0	135	CN
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX		-------	-------	-------			DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

TITLE
PRINCIPAL EXECUTIVE OFFICER

Bradley J. Adams

Manager

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	06	19

9 EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ow existed through this outfall 30 of 31 days during the month.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

OCR0501

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

METER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
AL	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.0	1.4	(19)	0	240	DC
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		WEEKLY	COMP24
EXAVALENT	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.1 30 DAY AVG	0.2 DAILY MAX	MG/L		DAILY	GRAB
OTAL	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
AL	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.5 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	1.0 DAILY MAX	MG/L		DAILY	GRAB
	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	0.2 30 DAY AVG	0.4 DAILY MAX	MG/L		DAILY	GRAB
L	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB

TITLE
CUTIVE OFFICER

I. Adams

lanager

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	06	19

ID EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

here was no discharge of processed steam generator chemical cleaning waste water during this month.

low existed through this outfall 19 of 31 days during the month.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

OCR0501

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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

METER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
0 0 ROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 1.5	1.7	(19)	0	240	GR
0 0 ROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
NDUIT OR MENT PLANT	SAMPLE MEASUREMENT	0.023	0.035	(03)	-------	-------	-------	----	0	135	TM
0 0 ROSS VALUE	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										

TITLE CUTIVE OFFICER		TELEPHONE		DATE		
J. Adams		815	406-3700	09	06	19
anager	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MONTH	DAY
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.

ND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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

OCR0501

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

••• NO DISCHARGE ☐ •••

NOTE: Read instructions before completing this form

METER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
AL	SAMPLE MEASUREMENT	———	———	(26)	———	< 0.5	< 0.5	(19)	0	240	CP
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	COMPOS
ASE	SAMPLE MEASUREMENT	———	———	(26)	———	< 1.4	< 1.4	(19)	0	240	GR
0 0 ROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	20.0 DAILY MAX	MG/L		WEEKLY	GRAB
NDUIT OR MENT PLANT	SAMPLE MEASUREMENT	0.023	0.023	(03)	———	———	———	——	0	135	CN
0 0 ROSS VALUE	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										

TITLE CUTIVE 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		
J. Adams			AREA CODE	NUMBER	YEAR	MONTH	DAY
lanager			815	406-3700	09	08	19
PRINTED							

ND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
low existed through this outfall 3 of 31 days during the month.

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

OCR0501

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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

*** 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			
00	SAMPLE MEASUREMENT	———	———	—		———		(12)		500	
GROSS VALUE	PERMIT REQUIREMENT	———	———	—	6.0 MINIMUM	———	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
OIL	SAMPLE MEASUREMENT	———	———	(26)	———			(19)		500	
00 GROSS VALUE	PERMIT REQUIREMENT	———	———	LBS/DY	———	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		SEE PERMIT	GRAB
CHROM, HEXAVALENT (A 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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 06	DAY 19

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 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 60555

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

*** 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)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	1.0 30 DAY AVG	2.0 DAILY MAX	MG/L		DAILY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	2.2	2.2	(19)	0	260	GR
03582 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.356	0.798	(03)	-------	-------	-------	----	0	260	TM
50050 1 0 0 EFFLUENT GROSS VALUE	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		TELEPHONE		DATE		
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	AREA CODE 615	NUMBER 406-3700	YEAR 09	MONTH 06	DAY 19

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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	-------	-------	----	8.53	-------	8.80	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.015	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.032	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21.10	28.71	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-------	-------	-------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.16	0.5	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		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 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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	08	19

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

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

••• 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 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	----		-------		(12)			
	PERMIT REQUIREMENT	-------	-------	----	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)			
	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)			
	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)			
	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)			
	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)			
	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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	06	19

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	05	01	To:	09	05	31

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

••• 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) 01087 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

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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Bradley J Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	06	19

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
May 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
05/02/09	120	77.8
05/09/09	120	83.1
05/16/09	120	80.1
05/23/09	120	89.0
05/30/09	120	86.2

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 May 2009.

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
May 2009

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

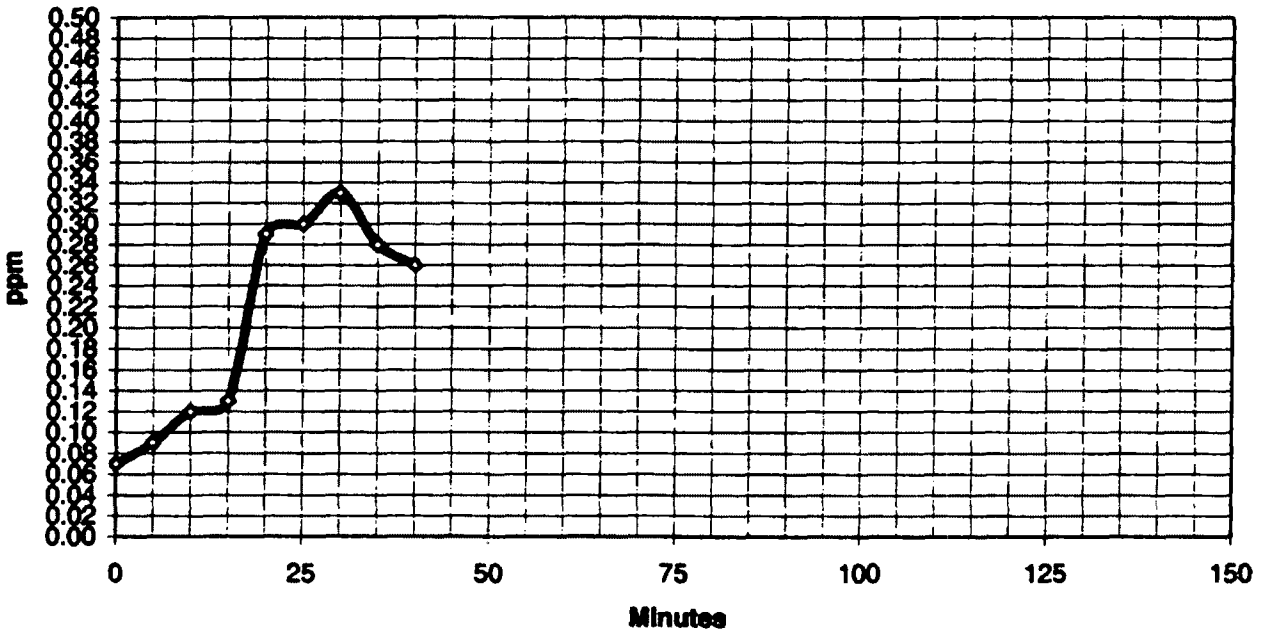
Date	Dosing Time (Minutes)	
	U-1	U-2
05/01/09	30	30
05/02/09	30	32
05/03/09	30	30
05/04/09	30	30
05/05/09	30	30
05/06/09	37	30
05/07/09	30	30
05/08/09	30	32
05/09/09	32	30
05/10/09	30	30

HALOGEN DOSING CURVE

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

Date: 05/04/09 Analyzed by: M. P. Unit: 2
Time: 11:42 Reviewed by: D. M.

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

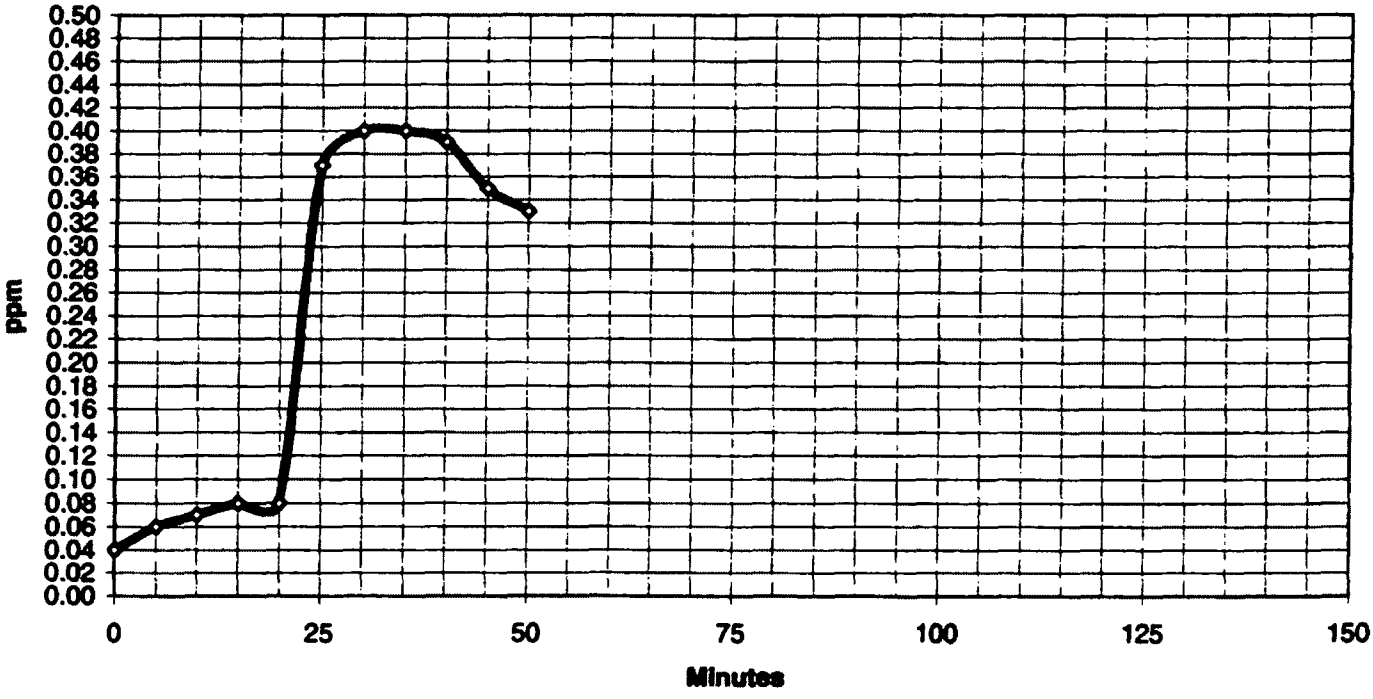
Date	Dosing Time (Minutes)	
	U-1	U-2
05/11/09	40	40
05/12/09	40	40
05/13/09	40	40
05/14/09	30	30
05/15/09	30	30
05/16/09	30	30
05/17/09	30	30

HALOGEN DOSING CURVE

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

Date: 05/11/09 Analyzed by: T. M. Unit: 1
Time: 11:08 Reviewed by: D. M.

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

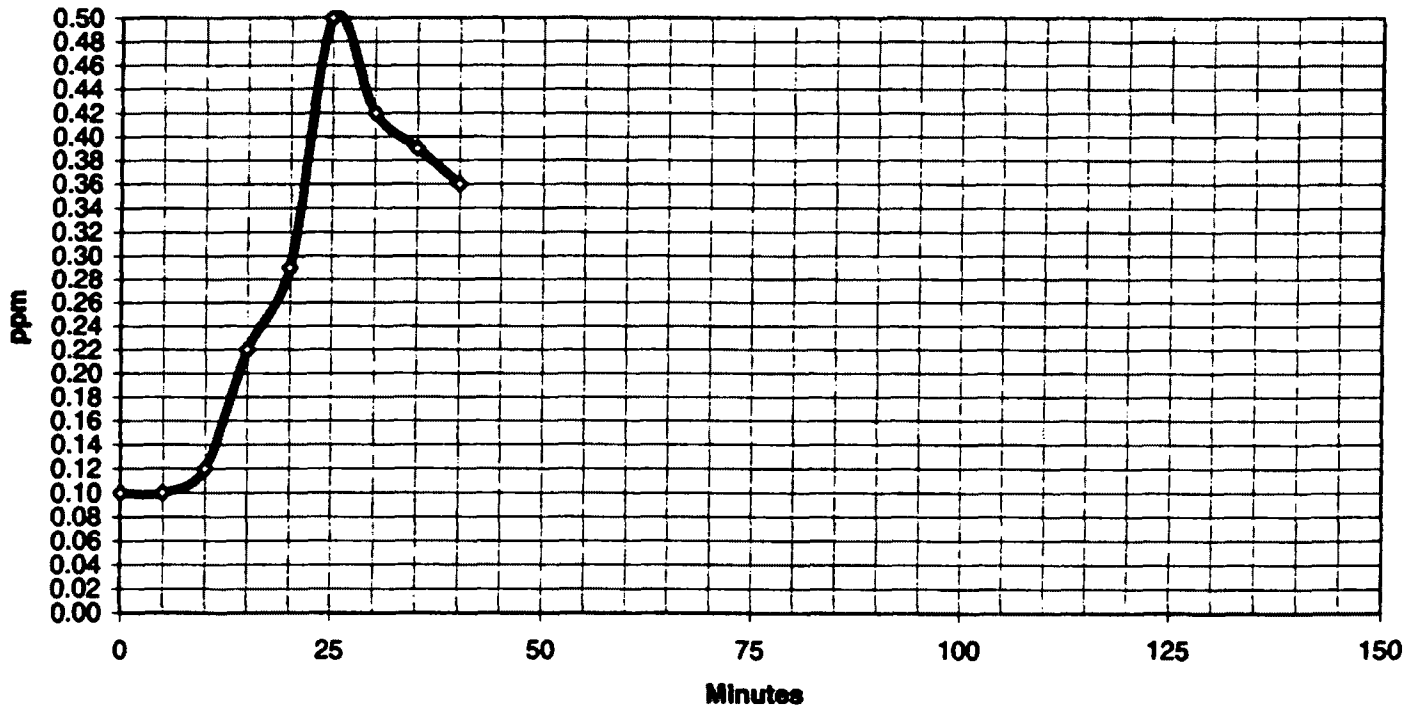
Date	Dosing Time (Minutes)	
	U-1	U-2
05/18/09	30	30
05/19/09	22	23
05/20/09	25	25
05/21/09	25	24
05/22/09	25	25
05/23/09	25	25
05/24/09	25	25

HALOGEN DOSING CURVE

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

Date: 05/18/09 Analyzed by: M. P. Unit: 2
Time: 12:23 Reviewed by: D. M.

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

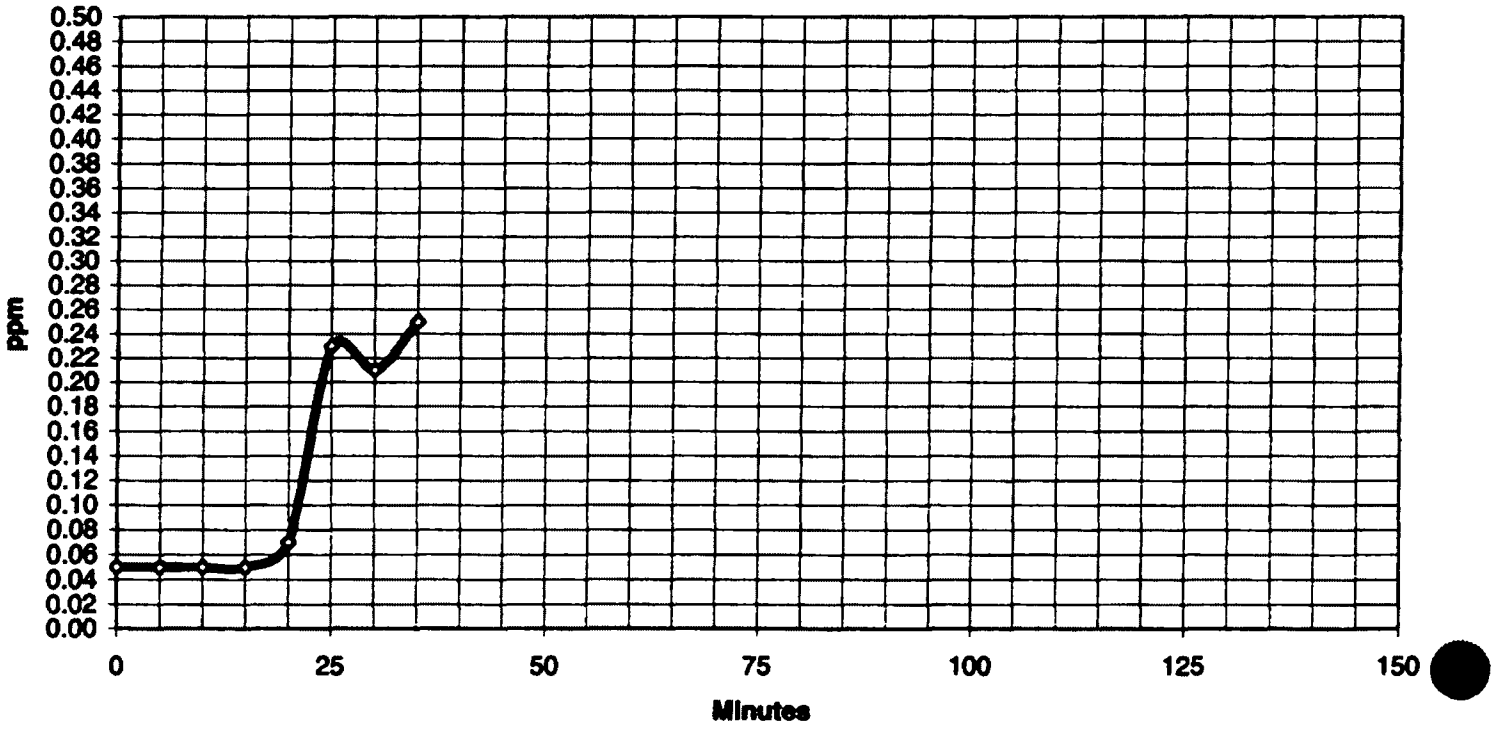
Date	Dosing Time (Minutes)	
	U-1	U-2
05/18/09	30	30
05/19/09	22	23
05/20/09	25	25
05/21/09	25	24
05/22/09	25	25
05/23/09	25	25
05/24/09	25	25

HALOGEN DOSING CURVE

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

Date: 05/19/09 Analyzed by: M. P. Unit: 2
Time: 10:11 Reviewed by: Z. C.

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

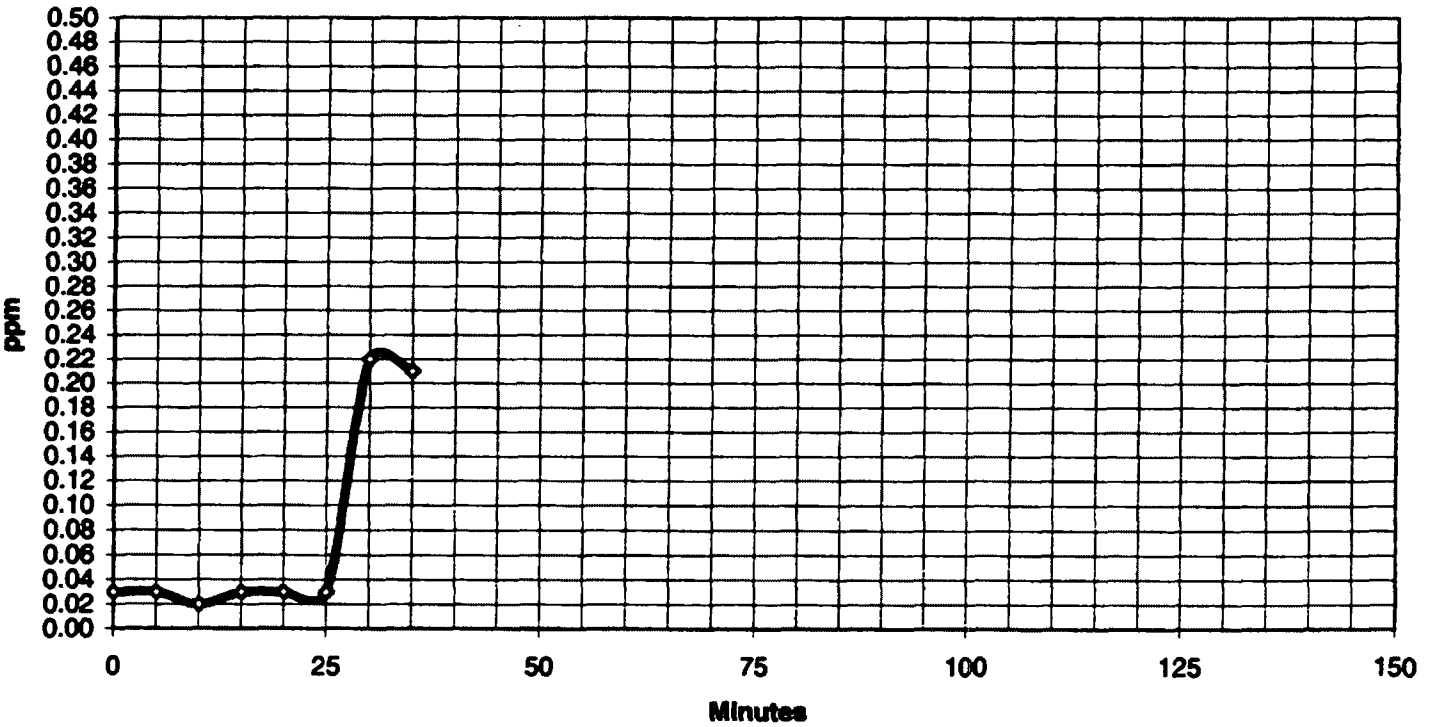
Date	Dosing Time (Minutes)	
	U-1	U-2
05/18/09	30	30
05/19/09	22	23
05/20/09	25	25
05/21/09	25	24
05/22/09	25	25
05/23/09	25	25
05/24/09	25	25

HALOGEN DOSING CURVE

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

Date: 05/20/09 Analyzed by: M. P. Unit: 1
Time: 10:25 Reviewed by: Z. C.

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

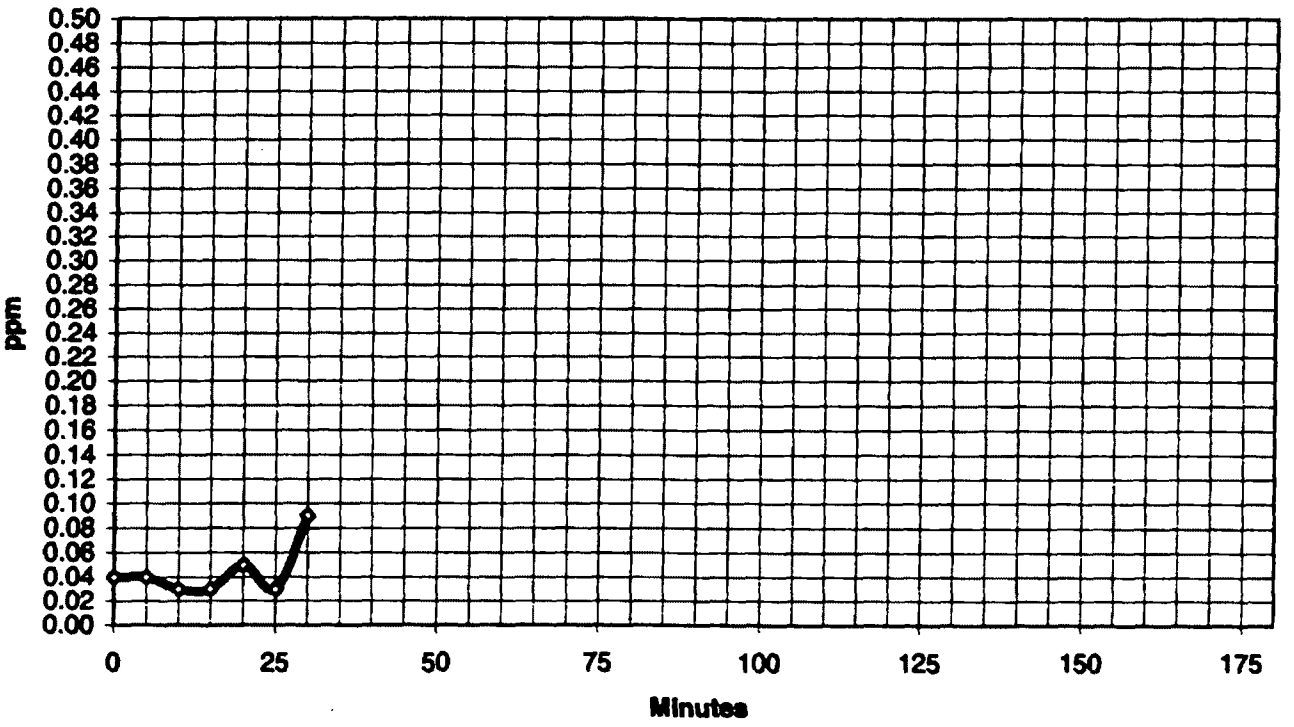
Date	Dosing Time (Minutes)	
	U-1	U-2
05/25/09	25	25
05/26/09	20	20
05/27/09	24	25
05/28/09	25	25
05/29/09	25	26
05/30/09	27	27
05/31/09	25	25

HALOGEN DOSING CURVE

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

Date: 05/26/09 Analyzed by: G. S. Unit: 1
Time: 14:10 Reviewed by: D. M.

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

Exelon Nuclear

July 21, 2009

LTR: BYRON 2009-0079
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 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 June 1, 2009 through June 30, 2009.

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

Respectfully,

Bradley J. Adams
Plant Manager
Byron Nuclear Generation 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	1.3	1.3	(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) 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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Bradley J. Adams
Plant Manager
TYPED OR PRINTED

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER		YEAR	MONTH	DAY
815	406-3700		09	07	21

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 30 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

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

IL0048313	A01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

MAJOR
(SUBR 01)
F - FINAL
DEMINERALIZER REGENERATE (001A)
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			
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
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.011	0.069	(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										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Bradley J. Adams
Plant Manager
TYPED OR PRINTED

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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

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:	09	06	01	To:	09	06	30

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)	SAMPLE MEASUREMENT	0.36	0.40	(26)	------	6.4	8.0	(19)	0	2/90	DC
00310 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	------	------	----	7.26	------	7.46	(12)	0	2/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	------	------	----	6.0 MINIMUM	------	9.0 MAXIMUM	SU		TWICE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.39	0.59	(26)	------	7.3	11.7	(19)	0	2/90	DC
00530 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	0.007	0.012	(03)	------	------	------	----	0	1/35	CN
50050 1 0 0 EFFLUENT GROSS VALUE	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

Bradley J. Adams

Plant Manager

TYPED OR PRINTED

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Bradley J Adams

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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

1. Flow existed through this outfall 29 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

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

IL0048313 — PERMIT NUMBER

C01 0 — DISCHARGE

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

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

••• 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)	-------	2.5	3.7	(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	NO 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) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	NO 30 DAY AVG	2.0 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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 815 — NUMBER 406-3700

DATE: YEAR 09 — MONTH 07 — DAY 21

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 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

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

IL0048313	C01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To.	09	06	30

MAJOR
(SUBR 01)
F - FINAL
WWTP (FORMER 001C)
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			
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)	-------	1.8	2.3	(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	0.028	0.056	(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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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

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

IL0048313	D01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

MAJOR
(SUBR 01)
F - FINAL
RADWASTE TREATMENT (FORMER 001D)
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			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	< 0.3	< 0.5	(19)	0	240	CP
	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	15.0 30 DAY AVG	30.0 DAILY MAX	MG/L		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	MG/L		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

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		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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

1. Flow exceed through this outfall 6 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

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

IL0048313	E01 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

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

••• 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 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	---		-------		(12)		500	
	PERMIT REQUIREMENT	-------	-------	---	6.0 MINIMUM	-------	9.0 MAXIMUM	SU		SEE PERMIT	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26)	-------			(19)		500	
	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 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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Bradley J. Adams
Plant Manager
TYPED OR PRINTED

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SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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 11 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

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

IL0048313 — PERMIT NUMBER

E01 0 — DISCHARGE ··· R

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

··· NO DISCHARGE ☐ ···

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

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) LBS/DY	-------			(19) MG/L		500	
	PERMIT REQUIREMENT	-------	-------		-------	1.0 30 DAY AVG	2.0 DAILY MAX			DAIL	GRAB
ZINC, TOTAL (AS ZN) 01092 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26) LBS/DY	-------			(19) MG/L		500	
	PERMIT REQUIREMENT	-------	-------		-------	1.0 30 DAY AVG	2.0 DAILY MAX			DAILY	GRAB
OIL AND GREASE 03582 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	-------	-------	(26) LBS/DY	-------	1.8	1.9	(19) MG/L	0	280	GR
	PERMIT REQUIREMENT	-------	-------		-------	15.0 30 DAY AVG.	20.0 DAILY MAX			TWICE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.253	1.449	(03) MGD	-------	-------	-------	----	0	280	TM
	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX		-------	-------	-------	----		TWICE/ MONTH	TOTALIZ
	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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 815 — NUMBER 406-3700

DATE: YEAR 09 — MONTH 07 — DAY 21

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

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

IL0048313	001 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

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	-------	-------	----	8.45	-------	8.76	(12)	0	240	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	----	6 MINIMUM	-------	9.0 MAXIMUM	SU		WEEKLY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.016	(19)	0	240	GR
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.071 DAILY MAX	MG/L		WEEKLY	GRAB
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------	0.046	(19)	0	240	GR
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	1.0 DAILY MAX	MG/L		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	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21.47	29.26	(03)	-------	-------	-------	----	0	135	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30 DAY AVG	REPORT DAILY MAX	MGD	-------	-------	-------	----		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	-------	-------	(26)	-------	0.11	0.33	(19)	0	240	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	0.2 30 DAY AVG	0.5 DAILY MAX	MG/L		WEEKLY	GRAB
HYDRAZINE	SAMPLE MEASUREMENT	-------	-------	(26)	-------	-------		(19)		500	
81313 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	-------	-------	LBS/DY	-------	-------	0.031 DAILY MAX	MG/L		DAILY WHEN DISCHARGING	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
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	AREA CODE 815	NUMBER 406-3700	YEAR 09	MONTH 07	DAY 21

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

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
From:	0 9	0 6	0 1	To:	0 9	0 6	3 0

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

••• NO DISCHARGE [X] •••

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		AIL	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.

SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
AREA CODE	NUMBER		YEAR	MONTH	DAY
815	406-3700		09	07	21

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	002 0
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MONTH	DAY		YEAR	MONTH	DAY
From:	09	06	01	To:	09	06	30

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

••• NO DISCHARGE [X] •••

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)			
	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

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		DATE		
AREA CODE	NUMBER	YEAR	MONTH	DAY
815	406-3700	09	07	21

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
June 2009

BLOWDOWN TEMPERATURE MONITORING:

Date	Calculated Maximum Allowable Blowdown Temp. (Degrees F)	Maximum Actual Blowdown Temp. (Degrees F)
06/06/09	120	84.5
06/13/09	120	83.7
06/20/09	120	91.1
06/27/09	120	94.4

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 June 2009.

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
June 2009

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 30 of 30 days.

EXELON
BYRON STATION
Permit IL0048313
WEEKLY HALOGEN DOSING INFORMATION

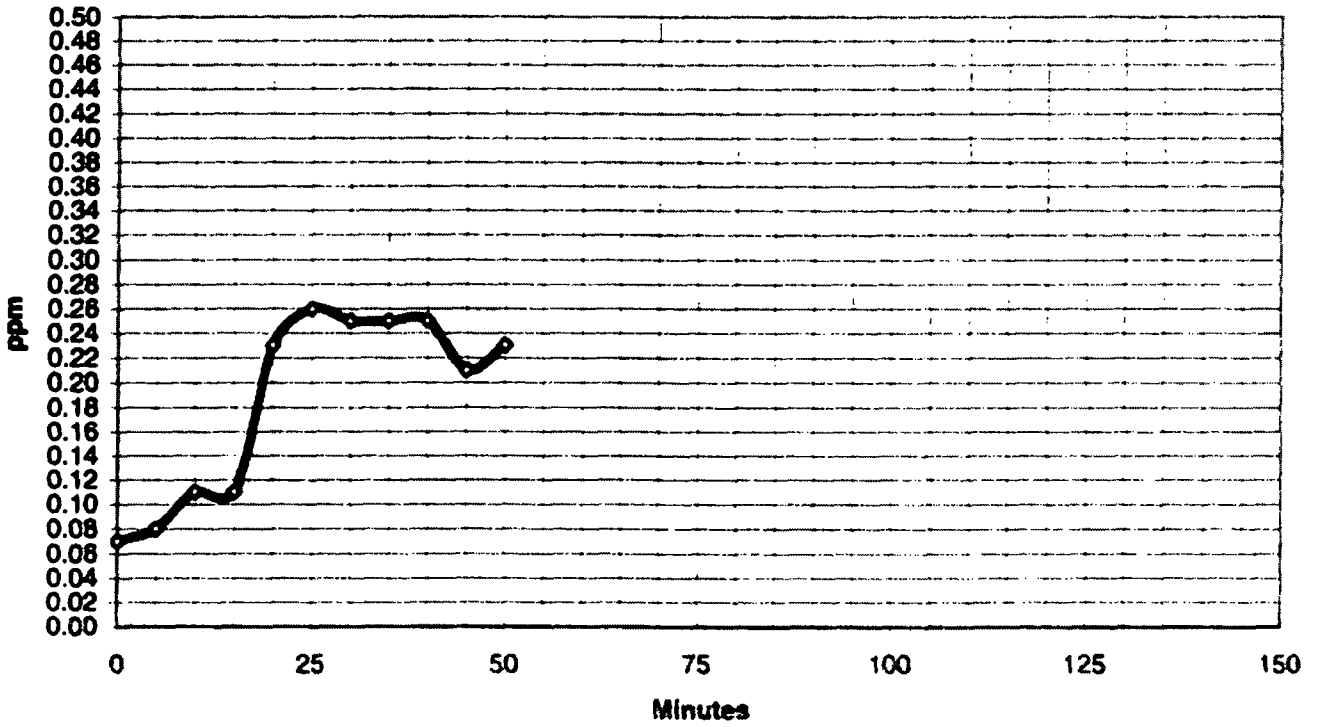
Date	Dosing Time (Minutes)	
	U-1	U-2
06/01/09	38	40
06/02/09	36	37
06/03/09	35	36
06/04/09	37	37
06/05/09	40	35
06/06/09	40	40
06/07/09	40	40

HALOGEN DOSING CURVE

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

Date: 06/01/09 Analyzed by: J. D. Unit: 2
Time: 09:34 Reviewed by: D. M.

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

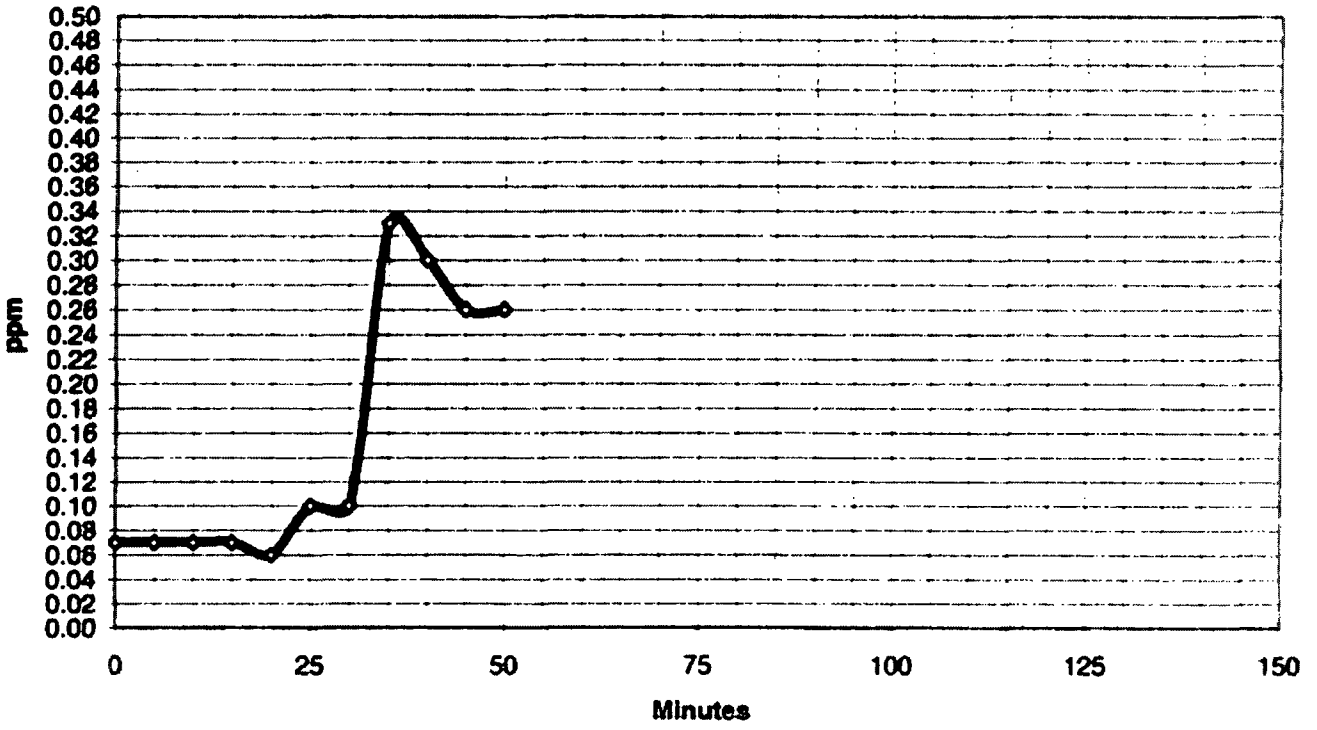
Date	Dosing Time (Minutes)	
	U-1	U-2
06/08/09	40	41
06/09/09	40	41
06/10/09	48	40
06/11/09	37	36
06/12/09	49	40
06/13/09	37	34
06/14/09	38	40

HALOGEN DOSING CURVE

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

Date: 06/09/09 Analyzed by: J. W. Unit: 1
Time: 12:13 Reviewed by: D. M.

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

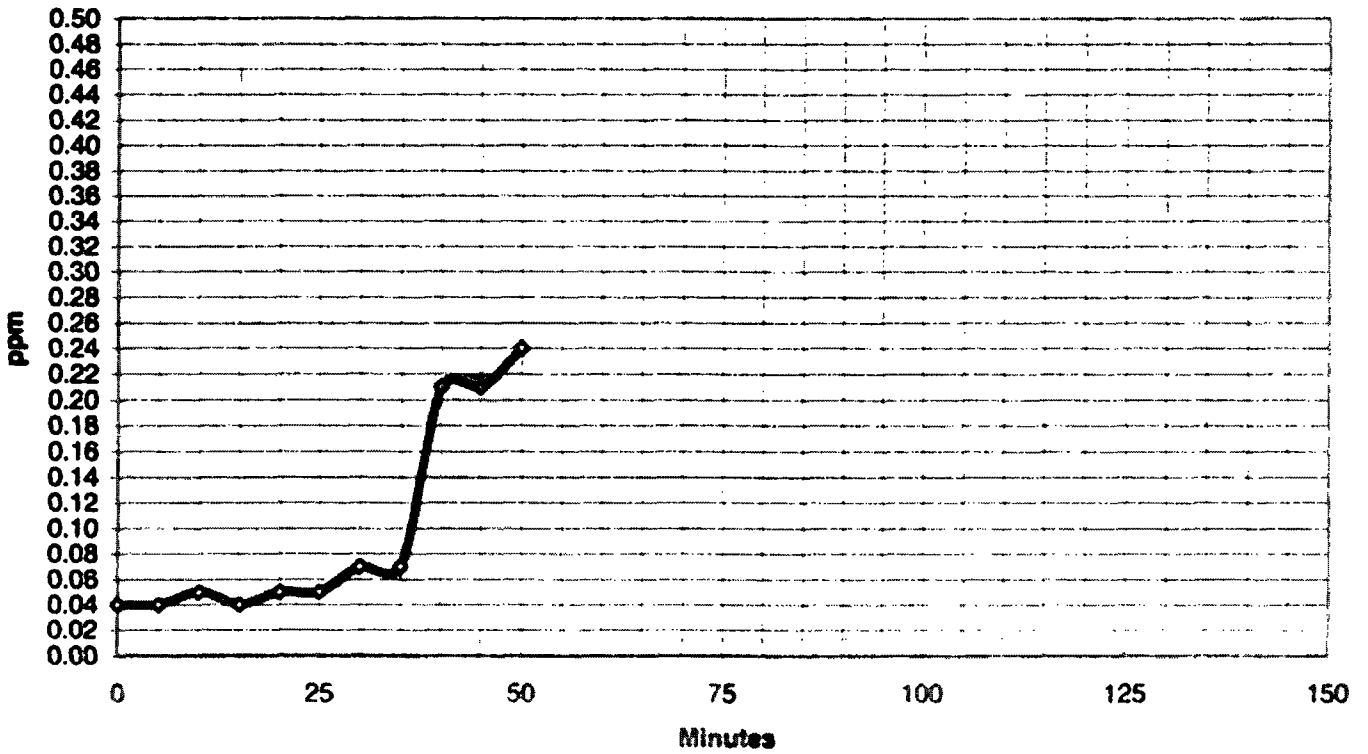
Date	Dosing Time (Minutes)	
	U-1	U-2
06/15/09	40	40
06/16/09	40	40
06/17/09	38	40
06/18/09	40	37
06/19/09	37	40
06/20/09	40	40
06/21/09	40	40

HALOGEN DOSING CURVE

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

Date: 06/15/09 Analyzed by: J. W. Unit: 2
Time: 12:52 Reviewed by: D. M.

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

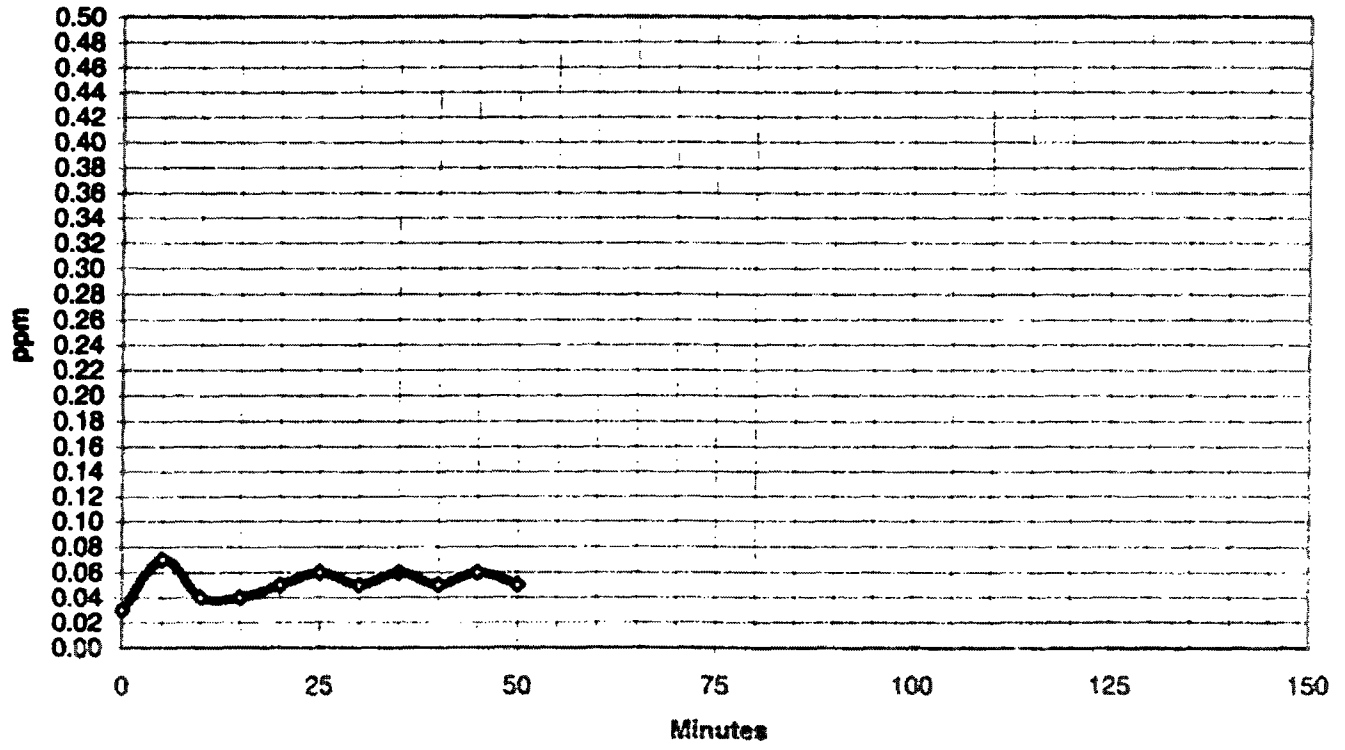
Date	Dosing Time (Minutes)	
	U-1	U-2
06/22/09	35	40
06/23/09	37	36
06/24/09	40	40
06/25/09	35	34
06/26/09	36	40
06/27/09	38	39
06/28/09	35	40

HALOGEN DOSING CURVE

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

Date: 06/23/09 Analyzed by: M. H. Unit: 1
Time: 11:39 Reviewed by: D. M.

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
06/29/09	35	34
06/30/09	34	33

HALOGEN DOSING CURVE

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

Date: 06/29/09 Analyzed by: M. P. Unit: 2
Time: 13:42 Reviewed by: D. M.

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.