

NPDES Permit No. IL0005037  
Notice No. LRL:05110101.docx

Public Notice Beginning Date: **October 30, 2013**

Public Notice Ending Date: **November 29, 2013**

National Pollutant Discharge Elimination System (NPDES)  
Permit Program

Draft Modified NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency  
Bureau of Water  
Division of Water Pollution Control  
Permit Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276  
217/782-0610

Name and Address of Discharger:

Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, Illinois 60555

Name and Address of Facility:

Exelon Generation Company, LLC  
Quad Cities Generating Station  
22710 206th Avenue North  
Cordova, Illinois 61242  
(Rock Island County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Leslie R. Lowry at 217/782-0610.

The applicant is engaged in the operation of Quad Cities Generation Station which is an existing nuclear fueled steam electric generating facility (SIC 4911). Quad Cities Station withdraws water from the Mississippi River for condenser cooling and various service water uses. Plant operation results in an average discharge of 1017.2 MGD of open cycle diffusers from outfall 001/002, 0.051 MGD of wastewater treatment plant from internal outfall B01, 0.055 MGD of radwaste treatment system blowdown from internal outfall A02 and 0.004 MGD of sanitary waste treatment plant from outfall 003.

The following modification is proposed:

Internal outfall C01, sanitary waste treatment plant was changed to outfall 003.

Application is made for existing discharges which are located in Rock Island County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Integrity Rating</u>
001/002	Mississippi River	41° 43' 30"	North	90° 18' 45"	West	General Use	Not Rated
003	Mississippi River	41° 43' 26"	North	90° 18' 45"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment M-02 receiving the discharge from outfalls 001/002 and 003 are not on the draft 2012 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The following parameters have been identified as the pollutants causing impairment:

<u>Potential Cause:</u>	<u>Designated Use:</u>
Mercury, Polychlorinated Biphenyls, and Manganese	Fish Consumption and Public and Food Processing Water Supply

The discharges from the facility shall be monitored and limited at all times as follows:

	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)</u>			<u>CONCENTRATION</u> <u>LIMITS mg/l</u>		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 001/002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Temperature						35 IAC 302.211
Total Residual Chlorine / Total Residual Oxidant					0.05	40 CFR 125.3 and 35 IAC 302.208
Zinc (Total)				Monitor Only		
<u>Outfall B01:</u>						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423b(3)

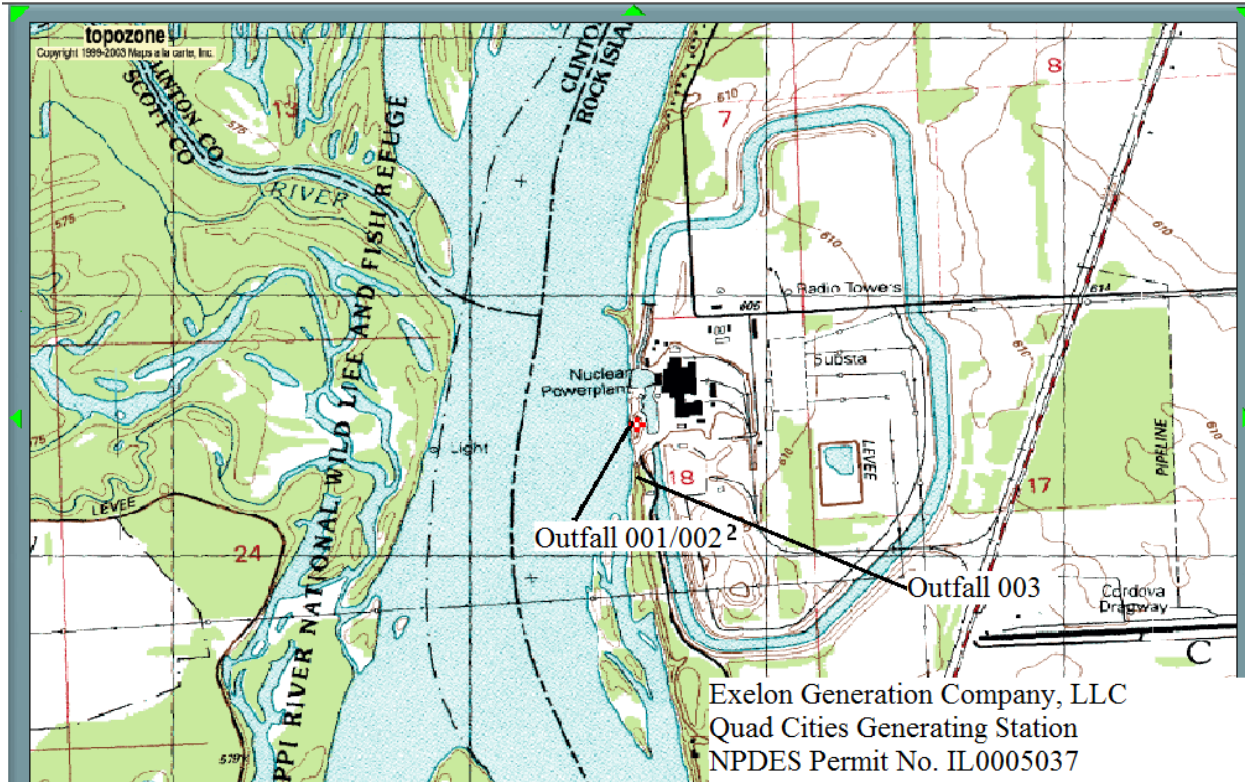
	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall: A02</u>						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423b(3)
Boron				Monitor only		
<u>Outfall 003:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 and 35 IAC 302.208
Fecal Coliform					400/100ml	35 IAC 304.121
BOD <sub>5</sub>	15	30	35 IAC 304.120	30	60	35 IAC 304.120
Total Suspended Solids	15	30	35 IAC 304.120	30	60	35 IAC 304.120

## Load Limit Calculations:

Outfall 003 load limit calculations for the following pollutant parameters were based on a design maximum flow of 0.06 MGD and using the formula of maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): BOD<sub>5</sub> and Total Suspended Solids.

The following explain the conditions of the proposed permit:

The Special Condition clarify flow, pH, monitoring location, total residual chlorine/total residual oxidant, additives, temperature, discharge monitoring report submission, stormwater, 316(b) of the Clean Water Act, and compliance schedule for total residual chlorine.



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Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Iowa Department of Natural Resources  
NPDES Section  
Henry A. Wallace Building  
900 East Grand Avenue  
Des Moines, Iowa 50319

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Modified (NPDES) Permit

Expiration Date: August 31, 2015

Issue Date: August 26, 2010  
Effective Date: September 1, 2010  
Modification Date:

Name and Address of Permittee:

Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, Illinois 60555

Facility Name and Address:

Exelon Generation Company, LLC  
Quad Cities Generating Station  
22710 206th Avenue North  
Cordova, Illinois 61242  
(Rock Island County)

Discharge Number and Name:

001/002 Open Cycle Diffusers  
B01 Wastewater Treatment System  
A02 Radwaste Treatment System Blowdown  
003 Sanitary Waste Treatment Plant

Receiving Waters:

Mississippi River  
  
Mississippi River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, the Iowa Code Section 455B.174 and rule 567-64.3 of the Iowa Administrative Code, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.  
Manager, Permit Section  
Division of Water Pollution Control

Steven Williams  
Iowa Department of Natural Resources  
NPDES Section  
Environmental Services Division

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Effluent Limitations and Monitoring

1. From the modification date of this permit until the expiration date, the effluent of the following discharges shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001/002</u> – Open Cycle Diffusers* (Average Flow = 1017.2 MGD)						
The discharge consists of:			Approximate Flow (MGD)			
1. Main Condenser Cooling Water			972.4			
2. House Service Water			44			
3. Radwaste Treatment System Blowdown (Outfall A02)			0.055			
4. Wastewater Treatment Plant (Outfall B01)			0.051			
5. House Service Water Strainer Backwash			0.126			
6. Intake Screen Backwash			0.508			
7. Units 1 and 2 Oil/Water Separators (stormwater)			Intermittent			
8. Fish Culture Facilities			Intermittent			
9. Crib House Floor Drain Sump**			0.05			
Flow (MGD)	See Special Condition 1.				Daily	24-Hour Total
pH	See Special Condition 2.				1/Month	Grab
Temperature***	See Special Condition 7.				Daily	Continuous
Total Residual Chlorine / Total Residual Oxidant	See Special Condition 4.			0.05	1/Month	Grab
Zinc (Total)****			Monitor Only		1/Quarter	Grab

\* - Outfall 001/002 consists two open cycle diffusers which are side by side and discharge equally into the Mississippi River. See Special Condition 5.

\*\* - This sub-waste stream is an alternative routing from Outfall B01. See Special Condition 17.

\*\*\* - Daily grab samples for Temperature are allowed when the Continuous Temperature Recorder is inoperable.

\*\*\*\* - Quarterly sampling for zinc shall only be done when using the zinc-phosphate corrosion inhibitor.

## Effluent Limitations and Monitoring

- |  | LOAD LIMITS lbs/day<br>DAF (DMF) |                  | CONCENTRATION<br>LIMITS mg/l  |                  |                        |                     |
|--|----------------------------------|------------------|---|------------------|------------------------|---------------------|
| PARAMETER  | 30 DAY<br>AVERAGE                | DAILY<br>MAXIMUM | 30 DAY<br>AVERAGE   | DAILY<br>MAXIMUM | SAMPLE<br>FREQUENCY    | SAMPLE<br>TYPE      |
| Outfall B01 – Wastewater Treatment System*<br>(DMF = 0.155 MGD)  |                                  |                  |   |                  |                        |                     |
| The discharge consists of:**<br>1. Crib House Floor Drain<br>2. Aux. Boiler Blowdown<br>3. Roof and Floor Drains<br>4. Portable Demineralizer Rinse Water  |                                  |                  | Approximate Flow (MGD)<br>0.050<br>Seasonal<br>Intermittent<br>Intermittent |                  |                        |                     |
| Flow (MGD)   | See Special Condition 1.         |                  |   |                  | 2/Month                | 24-Hour Total       |
| Total Suspended Solids   | 19                               | 39               | 15  | 30               | 2/Month                | 8-Hour<br>Composite |
| Oil and Grease   | 19                               | 26               | 15  | 20               | 1/Month                | Grab                |
| * - Wastewater treatment system effluent is routed through an oil/water separator prior to discharge.<br>** - The listed contributory waste stream all pass through an oil/water separator (Units ½ oil/water separator) prior to entering the wastewater treatment plant. The crib house floor drain sump water may be discharged directly to Outfalls 001/002 as an alternative route. See Special Condition 17. |                                  |                  |   |                  |                        |                     |
|  |                                  |                  |   |                  |                        |                     |
| Outfall A02 - Radwaste Treatment System Blowdown*<br>(Average Flow = 0.055 MGD)  |                                  |                  |   |                  |                        |                     |
| The discharge consists of:<br>1. Laundry Wastewater<br>2. Floor Drains<br>3. Equipment Drains<br>4. Reactor Water<br>5. Filter Backwash from Reactor Cleanup<br>6. Filter Backwash from Condensate Demineralizers<br>7. Laboratory Wastewater<br>8. Groundwater  |                                  |                  |   |                  |                        |                     |
| Flow (MGD)   | See Special Condition 1.         |                  |   |                  | Daily                  | 24-Hour Total       |
| Total Suspended Solids   |                                  |                  | 15  | 30               | 1/Month                | Grab                |
| Oil and Grease   |                                  |                  | 15  | 20               | 1/Month                | Grab                |
| Boron  | See Special Condition 16.        |                  | Monitor Only  |                  | 1/Discharge<br>Event** | Grab                |
| * - The Permittee shall comply with the Nuclear Regulatory Commission, Title 10, regulations for discharge and monitoring of radioactive wastewater discharges. Wastewater is generally batch treated and recycled. Therefore the daily average discharge rate from Outfall A02 does not reflect influent flow rates.<br>** - When discharging sodium pentaborate.   |                                  |                  |   |                  |                        |                     |

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Effluent Limitations and Monitoring

1. From the modification date of this permit until the expiration date, the effluent of the following discharges shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 003</u> – Sanitary Waste Treatment Plant (DMF = 0.06 MGD)						
Flow (MGD)	See Special Condition 1.				2/Month	24-Hour Total
pH	See Special Condition 2.				2/Month	Grab
Total Residual Chlorine	See Special Condition 4 and 20.			0.05	1/Month	Grab
Fecal Coliform	See Special Condition 13.			400/100ml	2/Month	Grab
BOD <sub>5</sub>	15	30	30	60	2/Month	24-Hour Composite
Total Suspended Solids	15	30	30	60	2/Month	24-Hour Composite



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Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 4. All samples for Total Residual Chlorine shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration or other methods found in Standard Methods for Examination of Water and Wastewater, current edition. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results.

SPECIAL CONDITION 5. Compliance with discharge limitations for Outfall 001 shall be determined by representative sampling of Outfall 002. Due to the configuration of the discharge bay, which is immediately upstream of the two open cycle diffusers, the effluent from the discharge bay flows into the two open cycle diffuser pipes, which equally release the discharge into the Mississippi River.

SPECIAL CONDITION 6. Nothing in this permit affects or abrogates the responsibilities or commitments of the Permittee herein as set forth in the agreement entered into by the Permittee in the consolidated cases of Izaak Walton League of America, et. al. v. Schlesinger, No. 2208-71 and People of the State of Illinois, et. al. v. United States Atomic Energy Commission, No. 2208-71 (U.S. District Court, District of Columbia).

SPECIAL CONDITION 7. Discharge of wastewater from this facility must not alone or in combination with other sources cause the receiving stream to violate the following thermal limitations at the edge of the mixing zone:

- A. Maximum temperature rise above natural temperature must not exceed 5°F.
- B. Water temperature at representative locations in the main river shall not exceed the maximum limits in the following table during more than one (1) percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature at such locations exceed the maximum limits in the following table by more than 3°F. (Main river temperatures are temperatures of those portions of the river essentially similar to and following the same thermal regime as the temperatures of the main flow of the river.)

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	45	45	57	68	78	85	86	86	85	75	65	52

- C. The area of diffusion of an effluent in the receiving water is a mixing zone, and that mixing zone shall not extend:
  - i. Over more than 25 percent of the cross sectional area or volume of flow in the Mississippi River;
  - ii. More than 26 acres of the Mississippi River

The following data shall be collected and recorded:

1. Weekly determination of the river flow rate (daily when the river flows fall below 23,000 cfs).
2. Daily determination of the ambient river temperature (at or upstream of station intakes).
3. Daily recording of station discharge rate.
4. Daily continuous recording of the temperature of the station discharge.
5. Daily determination of station load.
6. As deemed necessary according to the above data, daily determination of the cross-sectional average temperature at the 500 foot downstream cross-section in the river.

Compliance with the thermal limitations of Special Condition 7 shall be demonstrated as follows:

1. When river flow is 21,000 cfs or greater and the ambient river temperature is 5°F or more lower than the monthly limiting temperatures, the temperature monitoring curve<sup>1</sup> establishes that the permittee is in compliance for all power generation levels;

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Special Conditions

2. When the river flow is less than 21,000 cfs and/or the ambient river temperature is within 5° F of the monthly limiting temperatures, the permittee shall demonstrate compliance using either:
- Plant load, river flow, ambient river temperature, and the temperature monitoring curve, or
  - Field measurement<sup>2</sup> of the river cross-sectional average temperature taken 500 feet downstream of the diffusers.

In the event that compliance monitoring shows that the permittee has exceeded the monthly limiting temperature, the number of hours of such exceedance shall be reported on the permittee's Discharge Monitoring Report.

<sup>1</sup>The temperature monitoring curve identified as figure 2 in the December 2000 "Revised Temperature Monitoring Curve for Quad Cities Nuclear Generating Station".

<sup>2</sup> When conditions such as ice formation render the Mississippi River inaccessible to marine activity, the Permittee may demonstrate compliance with the thermal limitations of Special Condition 7 by using the most recent field measurement data collected at a river flow equal to or less than the flow for which field measurement data cannot be collected. The most recent field measurement data shall be normalized to the power production level for the day when the river was inaccessible.

SPECIAL CONDITION 8. There shall be no discharge of polychlorinated biphenyl compounds from any discharge.

SPECIAL CONDITION 9. There shall be no discharge of complexed metal bearing wastestreams and associated rinses from chemical metal cleaning, unless this permit has been modified to include the new discharge.

SPECIAL CONDITION 10. Demonstration for the Quad Cities Nuclear Power Station in accordance with Section 316(a) and 316(b) of the Clean Water Act was approved by IEPA by letter dated July 28, 1981 and by the Iowa Department of Environmental Quality (IDEQ) by letter dated May 18, 1981. Based on these conclusions the following actions by the permittee are required:

- A. The permittee shall monitor fish impingement once per week, year round. Each year's data shall be tabulated and compared to historical fish impingement data for the same period with the results submitted to IEPA Compliance Assurance Section and Iowa Department of Natural Resources by July 28, each year.

Iowa Department of Natural Resources  
Attn. Fisheries Management Biologist  
Bellevue Research Station  
24143 Highway 52  
Bellevue, Iowa 52031

- B. The permittee shall monitor water temperatures as described in Special Condition 7.

SPECIAL CONDITION 11. A permittee who wishes to establish the affirmative defense of upset as defined in 40 CFR 122.41(n) shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that: An upset occurred and that the permittee can identify the cause(s) of the upset; the permitted facility was at the time being properly operated; the permittee submitted notice of the upset as required in standard condition 12 of this permit; and the permittee complied with any remedial measures required in standard condition 4 of this permit.

SPECIAL CONDITION 12. Discharge is allowed from the Unit 1 oil/water separator and the Unit 2 oil/water separator in accordance with the Spill Prevention Control and Countermeasure Plan (SPCC). If an applicable effluent standard or water quality related effluent limitation is promulgated under Section 301 and 302 of the Clean Water Act (CWA) and that effluent or water quality standard or limitation is more stringent than any effluent or water quality limitations in this permit, or controls a pollutant not limited in this NPDES Permit, the Agencies shall revise or modify the permit in accordance with the promulgated standard and shall notify the permittee.

SPECIAL CONDITION 13. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 14. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/index.html>.

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Special Conditions

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 28th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 15. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 16. The permittee shall monitor for boron during periods when Sodium Pentaborate is discharged as a result of tank testing and connection drainage from components in the radwaste treatment system. The effluent boron concentration in the subject discharge shall not cause the receiving stream to exceed the water quality standards in Section 302 of 35 Ill. Adm. Code, Chapter 1, Subtitle C. This permit may be modified to include effluent limitations or requirements which are consistent with applicable laws, regulations, or judicial orders. The Agency will public notice the permit modification.

SPECIAL CONDITION 17. Crib House Floor Drain Sump shall only be routed to the Outfall 001/002 Open Cycle Diffusers during periods when increased pump seal cooling water leakage is significant enough so as to overload the wastewater treatment plant. Alternate routing of this discharge shall not take place in lieu of proper maintenance and operation of the circulating pumps.

SPECIAL CONDITION 18. This permit authorizes the use of water treatment additives that were requested as part of this renewal. The use of any new additives, or change in those previously approved by the Agencies, or if the permittee increases the feed rate or quantity of the additives used beyond what has been approved by the Agencies, the permittee shall request a modification of this permit in accordance with the Standard Condition - Attachment H.

The permittee shall submit to the Agencies on a yearly basis a report summarizing their efforts with water treatment suppliers to find a suitable alternative to phosphorus based additives.

SPECIAL CONDITION 19. In order for the Agency to evaluate the potential impacts of cooling water intake structure operations pursuant to 40 CFR 125.90(b), the permittee shall prepare and submit information to the Agency outlining current intake structure conditions at this facility, including a detailed description of the current intake structure operation and design, description of any operational or structural modifications from original design parameters, source waterbody flow information, or other information as necessary. The information submitted should be in accordance with the previously submitted information collection proposal received by the Agency on May 10, 2005.

The information shall also include a summary of historical 316(b) related intake impingement and / or entrainment studies, if any, as well as current impingement mortality and / or entrainment characterization data; and shall be submitted to the Agency within six (6) months of the permit's effective date.

Upon the receipt and review of this information, the permit may be modified to require the submittal of additional information based on a Best Professional Judgement review by the Agency. This permit may also be revised or modified in accordance with any laws, regulations, or judicial orders pursuant to Section 316(b) of the Clean Water Act.

SPECIAL CONDITION 20. For a period of 12 months following the modification date of this Permit, Total Residual Chlorine must be monitored only at outfall 003.

A Total Residual Chlorine limit of 0.05 mg/l (Daily Maximum) for outfall 003 shall become effective 12 months from the modification date of this Permit.

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The Permittee shall construct a dechlorination system or some alternative means of compliance in accordance with the following schedule:

- |                           |                                      |
|---------------------------|--------------------------------------|
| 1. Status Report          | 3 months from the modification date  |
| 2. Status Report          | 6 months from the modification date  |
| 3. Status Report          | 9 months from the modification date  |
| 4. Obtain Operation Level | 12 months from the modification date |

Compliance dates set out in this Permit may be superseded or supplemented by compliance dates in judicial orders, or Pollution Control Board orders. This Permit may be modified, with Public Notice, to include such revised compliance dates.

The Permittee shall operate the dechlorination system or an alternative means of compliance in a manner to ensure continuous compliance with the Total Residual Chlorine limit, not to the extent that will result in violations of other permitted effluent characteristic, or water quality standards.

REPORTING

The Permittee shall submit a report no later than fourteen (14) days following the completion dates indicated above for each numbered item in the compliance schedule, indicating, a) the date the item was completed, or b) that the item was not completed, the reason for non-completion, and the anticipated completion date.

### Public Notice of Draft Permit

Public Notice Number LRL:05110101.bah is hereby given by Illinois EPA, Division of Water Pollution Control, Permit Section, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 (herein Agency) that a draft National Pollutant Discharge Elimination System (NPDES) Permit Number IL0005037 has been prepared under 40 CFR 124.6(d) for Exelon Generation Company, LLC, 4300 Winfield Road, Warrenville, Illinois 60555 for discharge into Mississippi River from the Quad Cities Nuclear Power Station, 22710 206 Avenue North, Cordova, Illinois 61242, Rock Island County. Quad Cities Station is an existing nuclear fueled steam electric generating facility located on the Illinois shore of Pool 14 of the Mississippi River at River Mile 506.5. The applicant is engaged in the operation of Quad Cities Generation Station which is an existing nuclear fueled steam electric generating facility (SIC 4911). Quad Cities Station withdraws water from the Mississippi River for condenser cooling and various service water uses. Plant operation results in a total average discharge of 1017.2 MGD of open cycle diffusers from outfall 001 and 002, 0.051 MGD of wastewater treatment plant from internal outfall B01, 0.055 MGD of radwaste treatment system blowdown from internal outfall A02, and 0.004 MGD of sanitary waste treatment plant from outfall 003. The following modification is proposed, internal outfall C01, sanitary waste treatment plant was changed to outfall 003.

The Agency also intends to issue a water quality certification required by Section 401 of the Clean Water Act for purposes of the required licensure by the Nuclear Regulatory Commission under the Atomic Energy Act of 1954 (PL 83-703) and Title 11 of the Energy Reorganization Act of 1974 (PL 93-438), for the NPDES permitted discharge.

The application, draft permit and other documents are available for inspection and may be copied at the Agency between 9:30 A.M. and 3:30 P.M. Monday through Friday. A Fact Sheet containing more detailed information is available at no charge. For further information, call the Public Notice Clerk at 217/782-0610.

Interested persons are invited to submit written comments on the draft permit to the Agency at the above address. The NPDES Permit and Joint Public Notice numbers must appear on each comment page. All comments received by the Agency not later than 30 days from the date of this publication shall be considered in making the final decision regarding permit issuance.

Any interested person may submit written request for a public hearing on the draft permit, stating their name and address, the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to these issues in the hearing. Such requests must be received by the Agency not later than 30 days from the date of this publication.

If written comments and/or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 30 days before any public hearing.

