

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

ILLINOIS POWER GENERATING COMPANY)	
(NEWTON POWER STATION),)	
)	
)	
Petitioners,)	
)	
v.)	
)	PCB 16-
ILLINOIS ENVIRONMENTAL PROTECTION)	(NPDES Permit Appeal)
AGENCY)	
)	
)	
Respondent.)	

NOTICE OF FILING

To: ALL PARTIES ON THE ATTACHED SERVICE LIST

PLEASE TAKE NOTICE that today I have electronically filed with the Office of the Clerk of the Illinois Pollution Control Board the attached **PETITION FOR REVIEW OF IEPA NPDES PERMIT DECISION AND MOTION FOR PARTIAL STAY and APPEARANCES** copies of which are herewith served upon you.

Respectfully submitted,


 Joshua R. More
 Amy Antonioli
 SCHIFF HARDIN, LLP
 233 South Wacker Drive, Suite 6600
 Chicago, Illinois 60606
 312-258-5500
 aantonioli@schiffhardin.com

Dated: November 5, 2015

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

**ILLINOIS POWER GENERATING COMPANY)
(NEWTON POWER STATION),)**

Petitioners,)

v.)

**ILLINOIS ENVIRONMENTAL PROTECTION)
AGENCY)**

**PCB 16-
(NPDES Permit Appeal)**

Respondent.)

APPEARANCE

I, Joshua R. More, hereby file my appearance in this proceeding on behalf of Illinois Power Generating Company.

Respectfully submitted,

/s/ Joshua R. More

Joshua R. More
SCHIFF HARDIN, LLP
233 South Wacker Drive, Suite 6600
Chicago, Illinois 60606
312-258-5500
jmore@schiffhardin.com

Dated: November 5, 2015

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

**ILLINOIS POWER GENERATING COMPANY)
(NEWTON POWER STATION),)**

Petitioners,)

v.)

**ILLINOIS ENVIRONMENTAL PROTECTION)
AGENCY)**

**PCB 16-
(NPDES Permit Appeal)**

Respondent.)

APPEARANCE

I, Amy Antonioli, hereby file my appearance in this proceeding on behalf of Illinois Power Generating Company.

Respectfully submitted,



Amy Antonioli
SCHIFF HARDIN, LLP
233 South Wacker Drive, Suite 6600
Chicago, Illinois 60606
312-258-5500
aantonioli@schiffhardin.com

Dated: November 5, 2015

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

ILLINOIS POWER GENERATING COMPANY)	
(NEWTON POWER STATION),)	
)	
Petitioner,)	
)	
v.)	
)	PCB 16-
ILLINOIS ENVIRONMENTAL PROTECTION)	(NPDES Permit Appeal)
AGENCY)	
)	
Respondent.)	

**PETITION FOR REVIEW OF IEPA NPDES PERMIT DECISION
AND MOTION FOR PARTIAL STAY**

Petitioner Illinois Power Generating Company (“IPGC”) (“Petitioner”), pursuant to Section 40(a) of the Illinois Environmental Protection Act (“Act”) (415 ILCS 5/40(a)), and Section 105.200 *et seq.* of the Illinois Administrative Code (35 Ill. Adm. Code 105.200 *et seq.*), contests certain conditions of the National Pollutant Discharge Elimination System (“NPDES”) permit issued by the Illinois Environmental Protection Agency (“IEPA” or “Agency”) on September 1, 2015 for the Newton Power Station (“Newton”). A copy of the Newton NPDES Permit No. IL0049191 (the “2015 Permit”) is attached as Exhibit A.

This Petition for Review of IEPA’s NPDES Permit Decision (“Petition”) asserts that various conditions of the 2015 Permit are not necessary to accomplish the purpose of the Act and Board regulations, and otherwise are arbitrary and capricious. Petitioner requests that the Board stay certain contested conditions. In support of this Petition and Motion for Partial Stay, Petitioner states as follows:

I. BACKGROUND

1. Petitioner owns and operates Newton, a coal-fired steam electric generating plant located at 6725 500th Street, Newton (Jasper County), Illinois. Newton is an approximate 1210 MW power plant that is authorized to discharge wastewater to Newton Lake. The facility employs approximately 125 people.

2. Prior to the 2015 Permit, Newton operated under the NPDES permit effective in 2012 and attached as Exhibit B (the "2012 Permit"). An application to renew the 2012 Permit was timely made on or about July 21, 2011. IEPA issued a draft permit on or about December 11, 2014, and did not hold a hearing on the draft permit. IEPA issued the 2015 Permit on September 30, 2015 and it became effective on October 1, 2015. Petitioner received an electronic copy of the 2015 Permit via email on October 15, 2015.

II. CHALLENGED CONDITIONS

A. Outfalls 001, 004, 006, 007, and 011 - Reference to SWPPP Requirements

3. The 2012 Permit determined that the effluent limitations associated with storm water treated in existing treatment facilities, such as settling ponds, constituted BAT/BCT, therefore, no Storm Water Pollution Prevention Plan ("SWPPP") was required for certain storm water discharges. Ex. B, p. 8 (Special Condition 12).

4. Before discharging from Outfalls 001, 004, 006, 007, and 011, any storm water contributory waste streams flow first through settling ponds. As previously determined by IEPA in the 2012 Permit, settling ponds constitute BAT/BCT for storm water and an SWPPP is therefore not required for these outfalls. The 2015 Permit does not recognize that the settling ponds associated with these outfalls constitute BAT/BCT for storm water and, as result, Condition 12 of the 2015 Permit would impose SWPPP requirements on Outfalls 001, 004, 006, 007, and 011.

5. For each of these outfalls, Petitioner asks the Board to remand the permit to IEPA for a determination that the settling ponds associated with these outfalls constitute BAT/BCT for storm water.

B. Outfall 001 – Contributory Discharges: #10 Storm Water Runoff and #11 Coal Pile Runoff

6. Storm water from the rail line and equipment storage areas enters a detention basin and combines with the coal pile runoff before flowing to the secondary ash pond.

7. Since the application for renewal was submitted, the ash byproduct storage areas identified as contributing to “storm water runoff” (contributory discharge #10) have been removed.

8. Petitioner asks the Board to remand the permit to IEPA to delete “storm water runoff” from the list of contributory waste water discharges to Outfall 001. Also, the asterisk currently associated with “storm water runoff” should be moved to “coal pile runoff” (contributory discharge #11) and be revised to read “Includes runoff from coal delivery rail lines and equipment storage areas.” The coal pile runoff does not include runoff from “ash byproduct storage areas.”

C. Outfall B01 – Sampling Frequency for Flow

9. Outfall B01 is a newly identified outfall in the 2015 Permit and was added to the permit to address SCR module wash water.

10. The fact sheet describes the SCR module wash water as “intermittent.”

11. Due to the intermittent flow, Petitioner asks the Board to remand the permit back to IEPA for reissuance to specify that flow sampling at Outfall B01 only be required 1/Month “When discharging.”

D. Outfall 002 – Main Condenser Cooling Water Discharge

12. Since the application for renewal was submitted, the ash byproduct storage areas have been removed. Therefore, the storm water runoff (identified as contributory discharge #3) no longer includes runoff from “ash byproduct storage areas,” and Petitioner asks the Board to remand the permit to IEPA to delete this language from the asterisk associated with “storm water runoff.” In addition, the asterisk associated with “storm water runoff” should be corrected to reference Special Condition 12 (SWPPP) instead of Special Condition 10 (thermal discharges).

E. Outfall 006 – Flue Gas Desulfurization Sludge Disposal Area Settling Pond #1

13. The permit describes Settling Pond #1 as receiving “storm water runoff from the closed portion of the FGD landfill, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.”

14. This description does not accurately reference the contributory waste streams. The outfall receives storm water runoff from the active Landfill #2 and from the closed FGD Landfill #1. Petitioner asks the Board to remand the permit to IEPA to revise the description of the contributory waste water to more accurately reflect the actual waste water discharged at the outfall.

F. Outfall 011 – Flue Gas Desulfurization Sludge Disposal Area Settling Pond #3

15. The permit describes Settling Pond #3 as receiving “storm water runoff from the area surrounding the active portion of the FGD landfill, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.”

16. This description does not accurately reference the contributory waste streams. The outfall receives storm water runoff from the closed FGD landfill #1. Petitioner asks the

Board to remand the permit to IEPA to revise the description of the contributory waste water to more accurately reflect the actual waste water discharged at the outfall.

G. Outfall 012 – Flue Gas Desulfurization Sludge Disposal Area Settling Pond #2

17. The permit describes Settling Pond #2 as receiving “storm water runoff from the currently undeveloped area which has been designated for future FGD waste disposal, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.”

18. This description does not accurately reference the contributory waste streams. The outfall will receive storm water runoff from the currently undeveloped area which has been designated for future disposal of coal combustion residual and certain plant wastes. This outfall currently receives storm water from the closed FGD landfill #1 and the active Landfill #2. Petitioner asks the Board to remand the permit to IEPA to revise the description of the contributory waste water to more accurately reflect the actual waste water discharged at the outfall.

III. MOTION FOR PARTIAL STAY

19. Petitioner asks the Board to stay the effectiveness of Special Condition 12 to Outfalls 001, 004, 006, 007, and 011; the sampling frequency associated with Outfall B01; and the contributory waste stream descriptions associated with Outfalls, 006, 011, and 012, contained in the 2015 Permit from October 1, 2015 (the “Effective Date” of the 2015 Permit) until the later of (a) the Board’s final resolution of this Petition or, (b) if granted, the Agency’s issuance of a corrected permit.

20. Once appealed to the Board, a permit applicant may seek to have the permit stayed in its entirety (*Borg-Warner v. Mauzy*, 427 N.E.2d 415 (Ill. App. 3d 1981)), or may seek a

discretionary stay of only the contested conditions, allowing the remaining sections of the new permit to go into effect. *ConocoPhillips Co. v. IEPA*, PCB 12-101 (Apr. 5, 2012). In this instance, Petitioner has no objection to the balance of the conditions contained in the 2015 Permit and seeks to stay only the effectiveness of Special Condition 12 to Outfalls 001, 004, 006, 007, and 011; the sampling frequency associated with Outfall B01; and the contributory waste stream descriptions associated with Outfalls, 006, 011, and 012. During the stay, the 2012 Permit will remain in effect with respect to the stayed conditions.

21. The Board did not expressly state its reasoning in granting the petitioner a discretionary stay of contested conditions in *ConocoPhillips*. However, in the past the Board has referred to four factors in determining whether a discretionary stay is appropriate.

- a. a certain and clearly ascertainable right needs protection;
- b. irreparable injury will occur without the stay;
- c. no adequate remedy at law exists; and
- d. there is a probability of success on the merits.

Community Landfill Company and City of Morris v. IEPA, PCB 01-48 and 01-49 (consol.), slip op. at 5 (Oct. 19, 2000) (granting discretionary stay), citing *Motor Oils Refining Company, Inc. v. IEPA* (August 31, 1989), PCB 89-116; *Junkunc v. SJ. Advanced Technology & Mfg.*, 149 Ill. App. 3d 114, 498 N.E.2d 1170 (1st Dist. 1986). The Board need not find that all of these factors exist in order to grant a discretionary, partial stay. *Bridgestone/Firestone Off Road Tire Co. v. IEPA*, PCB 02-31 (Nov. 1, 2001).

22. A stay is necessary to protect Petitioner's right to appeal and to prevent the imposition of unlawful, arbitrary and capricious conditions before Petitioner is able to exercise

its right to appeal and be heard by the Board. Thus, Petitioner has an ascertainable right that needs protection.

23. Petitioner will suffer irreparable injury if Special Condition 12 is applicable to Outfalls 001, 004, 006, 007, and 011; the Petitioner is required to sample Outfall B01 on a monthly basis; and the waste streams associated with Outfalls 006, 011, and 012 are limited to those currently described in the 2015 Permit pending the outcome of this Petition. Compliance with these requirements would require Petitioner to expend resources to develop and implement a SWPPP and to take samples from Outfall B01. Compliance would also limit the discharges authorized for Outfalls 006, 011, and 012 to waste streams that do not reflect current operating conditions. If Petitioner complied with these requirements and then succeeded on the merits of this Petition, costs would be lost. Thus, Petitioner would suffer irreparable injury.

24. Petitioner has no other adequate remedy at law to prevent these injuries or to contest these requirements; a permit appeal is the only remedy available.

25. It is also likely Petitioner will succeed on the merits of this Petition. Petitioner is prepared to demonstrate that IEPA made incorrect and/or arbitrary determinations in requiring Petitioner to develop and implement a SWPPP for Outfalls 001, 004, 006, 007, and 011; require monthly sampling at Outfall B01; and limit the contributory waste streams associated with Outfalls 006, 011, and 012.

26. Finally, no harm to human health or the environment will result from staying these requirements. Petitioner will continue to operate Newton as it has been operated in the past and comply with the 2012 Permit with respect to the requirements for which Petitioner is seeking a stay. Also, as the Board has previously noted, regarding discretionary stays:

[T]he Board has tended to grant parties the relief they request. The Board believes that, in some cases, a permittee may find it advantageous to

operate under most of the terms of a renewed permit, rather than under the terms of the old one. The Board finds nothing in the Act or APA that prevents a permittee from electing *not* to avail itself of the APA stay. In such situations, the permittee then would be operating under the terms of the most-recently issued permit, as to all but the conditions explicitly stayed by Board order.

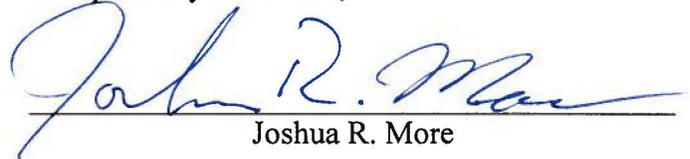
AmerenEnergy Generating Co. v. IEPA, PCB 06-67, fn. 1 (Feb. 16, 2006).

27. The Board has granted discretionary stays in a number of cases, including *AkzoNobel Surface Chemistry, LLC v. IEPA*, PCB 13-49 (Apr. 18, 2013) (NPDES Permit Appeal); *Dynegy Midwest Generation, Inc. v. IEPA*, PCB 10-53 (Feb. 3, 2010) (NPDES Permit Appeal); *ExxonMobil Oil Corp. v. IEPA*, PCB 10-30 (Dec. 17, 2009) (NPDES Permit Appeal); *Citgo Petroleum Corporation v. IEPA*, PCB No. 07-10 (Sept. 21, 2006) (NPDES Permit Appeal); *Midwest Generation, LLC, Will County Generating Station v. IEPA*, PCB 06-156, slip op. at 5-6 (July 20, 2006) (CAAPP permit appeal)); *Community Landfill Co. and City of Morris v. IEPA*, PCB 01-48, 01-49 (consol.), slip op. at 4 (Oct. 19, 2000) (landfill operating permits).

WHEREFORE, Petitioner respectfully moves the Board to grant a stay of effectiveness of Special Condition 12 to Outfalls 001, 004, 006, 007, and 011; the sampling frequency associated with Outfall B01; and the contributory waste stream descriptions associated with Outfalls 006, 011, and 012 contained in the 2015 Permit from October 1, 2015 until the later of (a) the Board's final resolution of this Petition or, (b) if granted, the Agency's issuance of a correct permit. Petitioner will operate in accordance with the remaining and effective terms and conditions of the 2015 Permit. Moreover, Petitioner respectfully requests that the Board grant review of the Agency's issuance of the 2015 Permit as set forth above and remand the 2015 Permit to the Agency for reissuance consistent with law and Petitioner's request as set forth above.

Illinois Power Generating Company,

Respectfully submitted,


Joshua R. More

Dated: November 5, 2015

Joshua R. More
SCHIFF HARDIN, LLP
233 South Wacker Drive, Suite 6600
Chicago, Illinois 60606
312-258-5500
jmore@schiffhardin.com

EXHIBIT A



1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397
BRUCE RAUNER, GOVERNOR LISA BONNETT, DIRECTOR

CAS

MAJOR

217/782-0610

September 30, 2015

Illinois Power Generating Company
Water & Waste Permitting/ Environmental Compliance
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Re: Illinois Power Generating Company – Newton Power Station
NPDES Permit No. IL0049191
Final Permit

RECEIVED

OCT 06 2015

IEPA/CAS

Gentlemen:

The Agency has received your letters dated January 9, 2015 and February 24, 2015 containing comments regarding the December 11, 2014 draft permit. The Agency has also received comments from the Sierra Club and Prairie Rivers Network regarding the December 11, 2014 draft permit. The Agency offers the following responses to the comments received:

1. The name and address of the permittee have been updated as requested.
2. Outfall B01 has been added to the list of outfalls identified on page 1 of the permit. The Outfall 013 name will not be changed, but a foot note will be added to clarify the areas discharging to Outfall 013.
3. The Outfall B01 name will be changed from Metal Cleaning Waste to Chemical Metal Cleaning Waste and a footnote will be added to page 3 of the final permit referencing Special Condition 8.
4. The decimal place has been added to the Total Suspended Solids and Oil & Grease limits for Outfall B01 to remain consistent with the requirements of 40 CFR 423.12(b)(5).
5. Sections P,Q, and R were included in Special Condition 12. These sections were omitted due to a printing error. Section V. has been removed as requested.
6. The additional metal cleaning wastes will not be included in the permit. SCR module wash water and air heater wash water are the only metal cleaning wastes previously permitted to be discharged. Therefore, in accordance with Special Condition 8, if additional metal cleaning waste streams need to be included in the permit, a permit modification request will need to be submitted to the Agency properly characterizing and quantifying each of the requested waste streams in addition to completing an antidegradation assessment in accordance with Title 35 Ill. Adm. Code 302.105.
7. The air heater wash water is the only non-chemical metal cleaning waste currently permitted for discharge and it has been removed from Outfall B01 as requested and will continue to be regulated as a low volume waste contributory to Outfall 001. The SCR module wash water is the only chemical metal cleaning waste currently permitted for discharge. The SCR module wash water is subject to the NSPS rules found at 40 CFR 423.15, therefore no

4302 N. Main St., Rockford, IL 61103 (815) 987-7760
595 S. State, Elgin, IL 60123 (847) 608-3131
2125 S. First St., Champaign, IL 61820 (217) 278-5800
2009 Mall St., Collinsville, IL 62234 (618) 346-5120

9511 Harrison St., Des Plaines, IL 60016 (847) 294-4000
412 SW Washington St., Suite D, Peoria, IL 61602 (309) 671-3022
2309 W. Main St., Suite 116, Marion, IL 62959 (618) 993-7200
100 W. Randolph, Suite 10-300, Chicago, IL 60601

compliance schedule can be granted. Additionally, concentration limits will remain at Outfall B01 as allowed under 40 CFR 423.15(m). The intake and effluent data submitted with Form 2C for Outfall 001 with the NPDES Permit renewal application does not support the assertion that the ash pond is providing adequate treatment for metals. Therefore, in order to ensure that compliance with the 40 CFR 423.15 requirements is not being achieved by means of dilution, the compliance with the chemical metal cleaning waste limitations will be required at Outfall B01 prior to entry into the ash pond.

8. The 0.2 mg/L maximum TRC limit will be reinstated for the intermittent discharge of TRC at Outfall 002. The references to the water quality standard for TRC have been removed from Special Condition 6 because it is not considered applicable in accordance with 35 IAC 304.222. The language of Special Condition 5 was changed from "chlorine when exclusively used may not be discharged ..." to, "Substances measureable as TRC may not be discharged..." to more accurately reflect the requirements of 40 CFR 423.13(b)(2) and 35 IAC 304.222.
9. The second foot note on page 5 for storm water from Outfall 004 has been updated to include runoff from equipment storage areas.
10. A foot note was added to page 5, Outfalls 009 and 013 clarifying areas contributing storm water runoff.
11. The last sentence of Special Condition 8 was changed to, "With the exception of SCR module wash water, chemical metal cleaning wastewater rinses may not be discharged other than as outlined in this condition unless this Permit No. IL0049191 has been modified to include the new discharge.
12. Any determination of whether the intake qualifies or if the Agency chooses to grant a waiver of the requirements of 40 CFR 122.21(r) under 40 CFR 125.95(a)(3) will not be made until the Agency receives a waiver request. Any waiver request submitted under 40 CFR 125.95(a)(3), shall include proof of consultation with IDNR and the U.S. Fish and Wildlife Services to verify that there are not threatened and endangered species and that there is no designated critical habitat in Newton Lake, respectively. The Agency has noted that the intake is located on a manmade lake and the fisheries are stocked and managed by Illinois Department of Natural Resources.
13. The phrase, "and/or propose facility modifications" will remain in Special Condition 14, B.4.a. Compliance with the through screen velocity limit of 0.5 ft/s may be achieved through making operational changes to the existing facility and/or by making physical modifications to the facility, therefore this language will not be changed.
14. Special Condition 14 has been changed to clarify that the evaluations are required to be submitted with the NPDES permit renewal application. However, it should be reiterated that the primary purpose of Special Condition 14 is to require compliance with the new Cooling Water Intake Structure Existing Facilities Rule as found at 40 CFR 122 and 125. The requirements of Special Condition 14 A, B, and C only apply if the new rule is stayed or remanded, and the deadlines for submission of those studies have been updated to reflect those contained within the 40 CFR 122 and 125.
15. The mercury limits will continue to be applied on a rolling annual average.
16. The monitoring requirements of Special Condition 18 will become effective one year from the effective date of the permit for Outfalls 004, 007, 008, 009, 010, and 011. This extension of time is to provide time to construct safe access points and/or install automated samplers.
17. The requirements of Special Condition 19 will remain in the permit. The assessments noted in Special Condition 19 have been continued from the 01/31/2012 NPDES permit modification to allow additional fly ash sluice water be discharged to the ash pond. The assessment was included to address public comments that the additional fly ash sluice water would cause increases to existing groundwater quality violations. According to the Bureau of Water's Hydrogeology Unit, the assessment of any impacts attributed to the additional fly ash loading are ongoing,

therefore, irrespective of the pending promulgation of new requirements under proposed rulemaking of 35 IAC 841, the requirements of Special Condition 19 will remain in the permit. Additionally, based on comments received during the public notice period, zinc has also been added to the parameters required to be monitored under Special Condition 19.

18. Special Condition 21 has been changed to the following: "Discharges from the facility shall not cause a violation of the offensive conditions standard at Title 35 Ill. Adm. Code Part 302.203 which states, Waters of the State shall be free from sludge or bottom deposits, floating debris, visible oil, odor, plant or algal growth, color or turbidity of other than natural origin."
19. The mercury monitoring requirement of Special Condition 18 will not apply to storm water Outfalls 004, 007, 008, 010, 011, and 013. Outfall 009 has been selected to be representative of mercury sampling for the other storm water outfalls. Existing mercury monitoring results for Outfall 009 indicates that additional sampling is necessary. Therefore, semi-annual mercury monitoring will be required at Outfall 009.
20. Outfall 013 has been added to Special Condition 18 of the final permit as it was mistakenly not included in Special Condition 18 of the draft permit. However, as was noted on page 5 of the draft permit, the monitoring requirements of Special Condition 18 were intended to apply to Outfall 013.
21. Special Condition 12.R has been updated to provide the appropriate email address for the permittee to send the annual storm water inspection report to.
22. Based on comments received during the public notice period, the Outfall 001 mercury limit has been changed from 0.012 µg/L to 12 ng/L and Special Condition 15 has been updated to indicate that mercury monitoring shall attain the minimum reporting limit recognized in Special Condition 18 and all results shall be reported in ng/L.
23. Based on comments received during the public notice period, Special Condition 24 has been added to the permit to provide clarification of the waste streams permitted to be discharged to Outfalls 006, 011, and 012. Special Condition 24 states, "For the purpose of this permit, the discharges from Outfalls 006, 011, and 012 are limited to storm water runoff, free from coal combustion residual (CCR) landfill leachate, flue gas desulphurization (FGD) process wastewater and other wastewater discharges. A permit modification request shall be submitted in accordance with Attachment H of this permit prior to discharging any additional waste stream which is not currently permitted. Any proposed modification for a new or increased discharge shall include an antidegradation assessment completed in accordance with Title 35 Ill. Adm. Code 302.105 and shall be subject to public notice."

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. Failure to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Agency has begun a program allowing the submittal of electronic Discharge Monitoring Reports (NetDMRs) instead of paper Discharge Monitoring Reports (DMRs). If you are interested in NetDMRs, more information can be found on the Agency website, <http://www.epa.state.il.us/water/net-dmr/index.html>. If your facility is not registered in the NetDMR program, a supply of preprinted paper DMR Forms for your facility will be sent to you prior to the initiation of DMR reporting under the reissued permit. Additional information and instructions will accompany the preprinted DMRs upon their arrival.

The attached Permit is effective as of the date indicated on the first page of the Permit. Until the effective date of any re-issued Permit, the limitations and conditions of the previously-issued Permit remain in full effect. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 35 day period following the issuance date.

Should you have questions concerning the Permit, please contact Brian W. Cox at 217/782-0610.

Sincerely,



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

SAK:BWC:14080101bwc.docx

Attachment: Final Permit

cc: Records
Compliance Assurance Section
Champaign Region
Billing

MAJOR

NPDES Permit No. IL0049191

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date: September 30, 2020

Issue Date: September 30, 2015

Effective Date: October 1, 2015

Name and Address of Permittee:

Illinois Power Generating Company
Water & Waste Permitting/ Environmental Compliance
1500 Eastport Plaza Drive
Collinsville, Illinois 62234

Facility Name and Address:

Illinois Power Generating Company
Newton Power Station
6725 500th Street
Newton, Illinois 62448
(Jasper County)

Discharge Number and Name:

- 001 Secondary Ash Pond Discharge
- A01 Sewage Treatment Plant #2 Discharge
- B01 Chemical Metal Cleaning Waste
- 002 Main Condenser Cooling Water Discharge
- 003 Sewage Treatment Plant #1 Discharge
- 004 Construction Runoff Settling Pond Discharge
- 005 Intake Screen Backwash
- 006 Flue Gas Desulfurization Disposal Area Settling Pond #1
- 007, 008, 009, 010, and 013 Storm Water Runoff from Coal Delivery Rail Lines
- 011 Flue Gas Desulfurization Sludge Disposal Area Settling Pond #3
- 012 Flue Gas Desulfurization Sludge Disposal Area Settling Pond #2

Receiving Waters:

- Newton Lake
- Newton Lake via Outfall 001
- Newton Lake via Outfall 001
- Newton Lake

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, 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

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001 Secondary Ash Pond Discharge*

This discharge consists of:

Approximate Flow:

- | | |
|--|-------------------------------|
| 1. Bottom ash sluice water | 2.5 MGD |
| 2. Fly ash sluice water | 10.2 MGD |
| 3. Water treatment filter backwash | 0.15 MGD |
| 4. Reverse Osmosis reject waste | 0.125 MGD |
| 5. Mixed bed waste | 0.025 MGD |
| 6. Air heater wash water | 0.36 MGD (discharged 3x/year) |
| 7. Boiler Blowdown | 0.19 MGD |
| 8. Wastewater sumps** | 4.0 MGD |
| 9. Sewage Treatment Plant #2 discharge | 0.001 MGD |
| 10. Storm water runoff*** | Intermittent |
| 11. Coal pile runoff | Intermittent |
| 12. SCR Module Washwater | Intermittent |
| 13. Oil/Water Separators***** | Intermittent |

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION			SAMPLE FREQUENCY	SAMPLE TYPE
	DAF (DMF)		LIMITS mg/L				
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM			
Flow (MGD)						Daily	Continuous Recording
pH	See Special Condition No. 2					1/Week	Grab
Total Suspended Solids			30	50		1/Week	8-Hour Composite
Non-Volatile Total Suspended Solids			15	30		1/Week	8-Hour Composite
Oil and Grease			15	20		1/Month	Grab
Boron				Monitor Only		1/Month	Grab
Phosphorus (total)				Monitor Only		1/Quarter*****	Grab
	30 DAY AVERAGE	DAILY MAXIMUM	ANNUAL AVERAGE	30 DAY AVERAGE	DAILY MAXIMUM	ANNUAL AVERAGE	
Mercury****					12 ng/L	1/Month	Grab

*See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.
 **Wastewater sumps includes soot blower thermal drains, ash hopper overflow, ash pit sumps, boiler house floor drains, strainer backwash, and other miscellaneous contributory flows.
 ***Includes runoff from coal delivery rail lines and from ash byproduct storage areas; See Special Condition No. 12 for SWPPP requirements.
 **** See Special Condition No. 15
 *****Oil/Water Separators receive wastewater from floor drains in part of the boiler house, plus underground drains and storm drains around the main power transformers and unit auxiliary transformers.
 *****See Special Condition No. 22.

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): A01 Sewage Treatment Plant #2 Discharge
(DAF = 0.001 MGD, DMF = 0.0025 MGD)

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		
Flow (MGD)					1/Month	Measurement
pH	See Special Condition No. 2				1/Month	Grab
BOD ₅	0.25 (0.63)	0.50 (1.3)	30	60	1/Month	8-Hour Composite
Total Suspended Solids	0.25 (0.63)	0.50 (1.3)	30	60	1/Week	8-Hour Composite
Total Residual Chlorine*				0.05*	Daily	Grab
Phosphorus (total)	0.0083 (0.021)	0.017 (0.042)	1.0	2.0	1/Month	Grab
Fecal Coliform				Monitor Only	1/Quarter***	Grab

*See Special Condition No. 6

** Load limits noted in parentheses are based on the design maximum flow and shall only apply when flow exceeds the design average flow.

*** See Special Condition No. 22.

Outfall(s): B01 Chemical Metal Cleaning Waste*

This discharge consists of:

Approximate Flow:

- SCR Module Washwater

Intermittent

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		
Flow (MGD)					1/Month	Measurement
Total Suspended Solids			30.0	100.0	1/Month	Grab
Oil & Grease			15.0	20.0	1/Month	Grab
Iron (total)			1.0	1.0	1/Month	Grab
Copper (total)			1.0	1.0	1/Month	Grab

*See Special Condition 8

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 002 Main Condenser Cooling Water Discharge***

This discharge consists of:

Approximate Flow:

- | | |
|---|--------------|
| 1. Main condenser cooling water | 508.3 MGD |
| 2. Various heat exchange cooling water discharges | 50.3 MGD |
| 3. Storm water runoff* | Intermittent |

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		
Flow (MGD)					Daily	Continuous Recording
Total Residual Chlorine**				0.2**	2/Month**	Grab Continuous Recording
Temperature	See Special Condition 7				Daily	Continuous Recording

*Includes runoff from coal delivery rail lines and ash byproduct storage areas; See Special Condition No. 10

**See Special Conditions No. 5 and 6

***See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.

Outfall(s): 003 Sewage Treatment Plant #1 Discharge
(DMF = 0.044 MGD) Average Flow: 0.0188 MGD

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		
Flow (MGD)					1/Week	Estimate*
pH	See Special Condition No. 2				1/Week	Grab 8-Hour Composite
BOD ₅	4.7 (11)	9.4 (22)	30	60	1/Week	Composite 8-Hour Composite
Total Suspended Solids	4.7 (11)	9.4 (22)	30	60	1/Week	Composite
Total Residual Chlorine**				0.05**	Daily	Grab
Phosphorus (total)	0.16 (0.37)	0.31 (0.73)	1.0	2.0	1/Month	Grab
Fecal Coliform				Monitor Only	1/Quarter	Grab

*Based on elapsed running time meter on lift station pump, or by direct reading from a flow meter.

**See Special Condition No. 6.

*** Load limits noted in parentheses are based on the design maximum flow and shall only apply when flow exceeds the design average flow.

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 004 Construction Runoff Settling Pond Discharge*

This discharge consists of:

Approximate flow:

1. Induced fan heat exchangers
2. Storm water runoff**

0.5 MGD
Intermittent

*See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.

**Includes runoff from coal delivery rail lines and equipment storage areas; See Special Condition No. 12 for SWPPP requirements.

Outfall(s): 005 - Intake Screen Backwash*
(Approximate flow: 0.10 MGD)

*Adequate maintenance of the trash basket is required to prevent the discharge of debris collected on intake screens back to Newton Lake.

Outfall(s): 006 - Flue Gas Desulfurization Sludge Disposal Area Settling Pond #1*

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	DAF (DMF)		LIMITS mg/L			
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Sulfate					1/Quarter	8-Hour Composite
Boron					1/Quarter	8-Hour Composite

The permittee shall continue to implement Best Management Practices operation methods for control of storm water runoff from the Flue Gas Desulfurization Sludge Disposal Area. See Special Condition No. 12 for SWPPP requirements.

* Settling Pond #1 receives storm water runoff from the closed portion of the FGD landfill, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.

See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.

See Special Condition No. 24 for discharge restrictions.

Outfall(s): 007, 008, 009*, 010, and 013** – Storm Water Runoff from Coal Delivery Rail Lines

*Outfall 009 also receives runoff from equipment storage areas.

**Outfall 013 also receives runoff from property around Sewage Treatment Plant #1 and a gravel road.

See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.

See Special Condition No. 12 for SWPPP requirements.

Outfall(s): 011 - Flue Gas Desulfurization Sludge Disposal Area Settling Pond #3*

*Settling Pond #3 receives storm water runoff from the area surrounding the active portion of the FGD landfill, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.

See Special Conditions 18 and 22 for monitoring requirements for various metals and other parameters.

See Special Condition No. 12 for SWPPP requirements.

See Special Condition No. 24 for discharge restrictions.

Outfall(s): 012 - Flue Gas Desulfurization Sludge Disposal Area Settling Pond #2*

*Settling Pond #2 receives storm water runoff from the currently undeveloped area which has been designated for future FGD waste disposal, and shall be free from CCR landfill leachate, (FGD) process wastewater, and other wastewater discharges.

See Special Condition No. 12 for SWPPP requirements.

See Special Condition No. 24 for discharge restrictions.

NPDES Permit No. IL0049191

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.

*****CONSTRUCTION AUTHORIZATION*****

Authorization is hereby granted to construct temporary supplemental cooling towers and related equipment on an as needed basis to ensure compliance with temperature limitations at Outfall 002. These supplemental cooling towers would draw a portion of the flow from the discharge flume, pass it through the supplemental towers, and return it to the flume.

This Authorization is issued subject to the following conditions.

1. If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee thereupon waives all rights thereunder.
2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and (c) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. The permittee shall notify the Agency in writing prior to placing the temporary supplemental cooling towers in service. Notification shall also be given upon taking the towers out of service.
4. The discharge of stormwater runoff associated with construction activities related to cooling tower installation, including clearing, grading and excavation activities which result in the disturbance of one acre or more of total land acre, are not covered by this permit or authorization. Prior to commencing construction, the permittee shall apply for and obtain coverage under the General NPDES Stormwater Permit for Construction Site Activities.

SPECIAL CONDITION 5. Substances measureable as TRC may not be discharged from each unit's main cooling condenser for more than two hours in any one day. A minimum of three grab samples shall be taken at approximately five minute intervals above the second drop structure in the discharge flume during the respective biofoulant addition period of each unit allowing for lag time between the initiation of chlorine and/or bromine addition and the point of sampling before the first grab sample is taken. The individual values for each set of samples shall be reported including the unit sampled, the time samples were collected, the time and duration of the biofoulant dosing period plus the amount of chlorine and/or bromine applied. Continuous analyzers may be substituted for the above grab sampling method. When continuous analyzers are used, calculations submitted with the Discharge Monitoring Reports (DMRs) will be based on data collected on the first and third Wednesday of the calendar month. In the event of an analyzer malfunction on the above days, data will be collected on the following Wednesday by either an analyzer or by use of the grab sampling method. The unit sampled, the duration of biofoulant injection plus the amount of chlorine and/or bromine injected must be submitted with the Discharge Monitoring Reports when continuous analyzers are used.

SPECIAL CONDITION 6. The TRC limits for Outfall 002 are an instantaneous maximum limit which shall not be exceeded at any time. 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. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained. For the purpose of this permit Total Residual Chlorine means those substances which include combined and uncombined forms of both chlorine and bromine and which are expressed, by convention, as an equivalent concentration of molecular chlorine. The amperometric titration lower detection limit is recognized as 0.05 mg/L.

SPECIAL CONDITION 7. The following specific thermal limitations adopted through IPCB Order 78-271 pursuant to 35 Ill. Adm. Code 302.211(j)(5) shall apply at the edge of the mixing zone for the main condenser cooling water discharge. The edge of the mixing zone shall be a maximum area of 26 acres and compliance with the following thermal limitations determined by a fixed temperature recorder set at the edge of the mixing zone below the surface of the water.

1. The thermal discharge to Newton Lake from Illinois Power Generating Company's (formerly Central Illinois Power Company) Newton Power Station shall not result in a temperature, measured at the outside edge of the mixing zone in Newton Lake, which exceeds 102°F as a monthly average and 111 °F as a maximum.

NPDES Permit No. IL0049191

Special Conditions

The 111 °F maximum limit shall not be exceeded at any time. Monthly average and daily maximum temperature shall be reported on the DMR form.

SPECIAL CONDITION 8. Chemical metal cleaning wastewater rinses may be stored in the on-site clay lined pond until placement on an active area of the coal pile provided the wastewater does not exhibit hazardous characteristics as defined at 35 Ill. Adm. Code 729.301. Chemical metal cleaning wastewater rinses may be placed on an active area of the coal pile for incineration provided a demonstration showing BAT equivalency is submitted to the IEPA within 90 days following completion of treatment. This demonstration will consist of a sampling program approved by the IEPA which will provide for the monitoring of iron and copper levels in coal pile runoff prior to, during, and after placement of rinses onto the coal pile. This monitoring must show that the naturally occurring iron and copper levels in coal pile runoff are not altered through this disposal practice (attachment A). Chemical metal cleaning wastewater rinses may also be evaporated in the boiler if this method has been approved and permitted by the Agency's Division of Air Pollution Control. With the exception of SCR module wash water, chemical metal cleaning wastewater rinses may not be discharged other than as outlined in this condition unless this Permit No. IL0049191 has been modified to include the new discharge.

SPECIAL CONDITION 9. There shall be no discharge of polychlorinated biphenyl compounds (PCB's) such as those commonly used for transformer fluid.

SPECIAL CONDITION 10. Illinois Power Generating Company has complied with Section 302.211(f) of Title 35, Chapter 1, Subtitle C: Water Pollution Regulations by demonstrating that its thermal discharges from its Newton Power Station have not caused and cannot be reasonably expected to cause significant ecological damage to Newton Lake as approved by PCB order 83-84 dated January 26, 1984 for Unit 1 and PCB order 88-207 dated January 25, 1990 for Unit 2. (Note: Newton Power Station was owned and operated by Central Illinois Public Service Company at the time of establishing IPCB Orders 1978-271, 1988-084, and 1988-207.)

With the application for renewal of this permit, the permittee shall demonstrate to the Agency that the facility has obtained alternate thermal standards from the Illinois Pollution Control Board pursuant to Section 316(a) of the Clean Water Act, and 35 Ill. Adm. Code 304.141(c), in accordance with the procedures as found in 35 Ill. Adm. Code Part 106, Subpart K. This demonstration is only necessary if the permittee intends to maintain relief from the applicable water quality standards as granted in IPCB 78-271 and outlined in Special Condition 7.

Alternatively, the Permittee may demonstrate to the Agency that relief granted in IPCB 78-271, or other site specific water quality standards for temperature approved by the Illinois Pollution Control Board, and USEPA, meets the requirements of 40 CFR 131 and the Illinois Environmental Protection Act.

SPECIAL CONDITION 11. 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 (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

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 NetDMRs 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 12.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

NPDES Permit No. IL0049191

Special Conditions

- A. A storm water pollution prevention plan shall be maintained by the permittee for the storm water associated with industrial activity at this facility. The plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. The permittee shall modify the plan if substantive changes are made or occur affecting compliance with this condition.
1. Waters not classified as impaired pursuant to Section 303(d) of the Clean Water Act.

Unless otherwise specified by federal regulation, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.
 2. Waters classified as impaired pursuant to Section 303(d) of the Clean Water Act

For any site which discharges directly to an impaired water identified in the Agency's 303(d) listing, and if any parameter in the subject discharge has been identified as the cause of impairment, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations, the storm water pollution prevention plan shall adhere to a more restrictive design criteria.
- B. The operator or owner of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request.

Facilities which discharge to a municipal separate storm sewer system shall also make a copy available to the operator of the municipal system at any reasonable time upon request.
- C. The permittee may be notified by the Agency at any time that the plan does not meet the requirements of this condition. After such notification, the permittee shall make changes to the plan and shall submit a written certification that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days after such notification to make the changes.
- D. The discharger shall amend the plan whenever there is a change in construction, operation, or maintenance which may affect the discharge of significant quantities of pollutants to the waters of the State or if a facility inspection required by paragraph H of this condition indicates that an amendment is needed. The plan should also be amended if the discharger is in violation of any conditions of this permit, or has not achieved the general objective of controlling pollutants in storm water discharges. Amendments to the plan shall be made within 30 days of any proposed construction or operational changes at the facility, and shall be provided to the Agency for review upon request.
- E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:
1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate. Any map or portion of map may be withheld for security reasons.
 2. A site map showing:
 - i. The storm water conveyance and discharge structures;
 - ii. An outline of the storm water drainage areas for each storm water discharge point;
 - iii. Paved areas and buildings;
 - iv. Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates.
 - v. Location of existing storm water structural control measures (dikes, coverings, detention facilities, etc.);
 - vi. Surface water locations and/or municipal storm drain locations
 - vii. Areas of existing and potential soil erosion;

NPDES Permit No. IL0049191

Special Conditions

- viii. Vehicle service areas;
 - ix. Material loading, unloading, and access areas.
 - x. Areas under items iv and ix above may be withheld from the site for security reasons.
3. A narrative description of the following:
- i. The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - ii. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;
 - iii. Existing structural and non-structural control measures to reduce pollutants in storm water discharges;
 - iv. Industrial storm water discharge treatment facilities;
 - v. Methods of onsite storage and disposal of significant materials.
4. A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities. Also provide a list of any pollutant that is listed as impaired in the most recent 303(d) report.
5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
6. A summary of existing sampling data describing pollutants in storm water discharges.
- F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:
1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.
 2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.
 3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.
 4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill cleanup equipment and procedures should be identified, as appropriate. Internal notification procedures for spills of significant materials should be established.
 5. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to contribute pollutants, measures to remove pollutants from storm water discharge shall be implemented. In developing the plan, the following management practices shall be considered:
 - i. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff. To the maximum extent practicable storm water discharged from any area where material handling equipment or activities, raw material, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water should not enter vegetated areas or surface waters or infiltrate into the soil unless adequate treatment is provided.
 - ii. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods to minimize oil contaminated storm

NPDES Permit No. IL0049191

Special Conditions

water discharges.

- iii. Debris & Sediment Control - Screens, booms, sediment ponds or other methods to reduce debris and sediment in storm water discharges.
 - iv. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers and used oils shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.
 - v. Storm Water Diversion - Storm water diversion away from materials manufacturing, storage and other areas of potential storm water contamination. Minimize the quantity of storm water entering areas where material handling equipment of activities, raw material, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water using green infrastructure techniques where practicable in the areas outside the exposure area, and otherwise divert storm water away from exposure area.
 - vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.
 - vii. Storm Water Reduction - Install vegetation on roofs of buildings within adjacent to the exposure area to detain and evapotranspire runoff where precipitation falling on the roof is not exposed to contaminants, to minimize storm water runoff; capture storm water in devices that minimize the amount of storm water runoff and use this water as appropriate based on quality.
6. Sediment and Erosion Prevention - The plan shall identify areas which due to topography, activities, or other factors, have a high potential for significant soil erosion. The plan shall describe measures to limit erosion.
7. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution control plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.
8. Inspection Procedures - Qualified plant personnel shall be identified to inspect designated equipment and plant areas. A tracking or follow-up procedure shall be used to ensure appropriate response has been taken in response to an inspection. Inspections and maintenance activities shall be documented and recorded.
- G. Non-Storm Water Discharge - The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharge. The certification shall include a description of any test for the presence of non-storm water discharges, the methods used, the dates of the testing, and any onsite drainage points that were observed during the testing. Any facility that is unable to provide this certification must describe the procedure of any test conducted for the presence of non-storm water discharges, the test results, potential sources of non-storm water discharges to the storm sewer, and why adequate tests for such storm sewers were not feasible.
- H. Quarterly Visual Observation of Discharges - The requirements and procedures for quarterly visual observations are applicable to all outfalls covered by this condition. In order to provide time to construct safe access points to monitor all outfalls covered by this condition, the requirements for quarterly visual observations specified within this condition will not take effect until one year after the effective date of this permit.
1. You must perform and document a quarterly visual observation of a storm water discharge associated with industrial activity from each outfall. The visual observation must be made during daylight hours. If no storm event resulted in runoff during daylight hours from the facility during a monitoring quarter, you are excused from the visual observations requirement for that quarter, provided you document in your records that no runoff occurred. You must sign and certify the document.
 2. Your visual observation must be made on samples collected as soon as practical, but not to exceed 1 hour or when the runoff or snow melt begins discharging from your facility. All samples must be collected from a storm event discharge that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measureable (greater than 0.1 inch rainfall) storm event. The observation must document: color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. If visual observations indicate any unnatural color, odor, turbidity, floatable material, oil sheen or other indicators of storm water pollution, the permittee shall obtain a sample and monitor for the parameter or the list of pollutants in Part E.4.
 3. You must maintain your visual observation reports onsite with the SWPPP. The report must include the observation date and time, inspection personnel, nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious

NPDES Permit No. IL0049191

Special Conditions

indicators of storm water pollution), and probable sources of any observed storm water contamination.

4. You may exercise a waiver of the visual observation requirement at a facility that is inactive or unstaffed, as long as there are no industrial materials or activities exposed to storm water. If you exercise this waiver, you must maintain a certification with your SWPPP stating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water.
5. Representative Outfalls - If your facility has two or more outfalls that you believe discharge substantially identical effluents, based on similarities of the industrial activities, significant materials, size of drainage areas, and storm water management practices occurring within the drainage areas of the outfalls, you may conduct visual observations of the discharge at just one of the outfalls and report that the results also apply to the substantially identical outfall(s).
6. The visual observation documentation shall be made available to the Agency and general public upon written request.
- I. The permittee shall conduct an annual facility inspection to verify that all elements of the plan, including the site map, potential pollutant sources, and structural and non-structural controls to reduce pollutants in industrial storm water discharges are accurate. Observations that require a response and the appropriate response to the observation shall be retained as part of the plan. Records documenting significant observations made during the site inspection shall be submitted to the Agency in accordance with the reporting requirements of this permit.
- J. This plan should briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated there under, and Best Management Programs under 40 CFR 125.100.
- K. The plan is considered a report that shall be available to the public at any reasonable time upon request.
- L. The plan shall include the signature and title of the person responsible for preparation of the plan and include the date of initial preparation and each amendment thereto.
- M. Facilities which discharge storm water associated with industrial activity to municipal separate storm sewers may also be subject to additional requirement imposed by the operator of the municipal system

Construction Authorization

Authorization is hereby granted to construct treatment works and related equipment that may be required by the Storm Water Pollution Prevention Plan developed pursuant to this permit.

This Authorization is issued subject to the following condition(s).

- N. If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee there upon waives all rights there under.
- O. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and (c) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
- P. Plans and specifications of all treatment equipment being included as part of the stormwater management practice shall be included in the SWPPP.
- Q. Construction activities which result from treatment equipment installation, including clearing, grading and excavation activities which result in the disturbance of one acre or more of land area, are not covered by this authorization. The permittee shall contact the IEPA regarding the required permit(s).

REPORTING

- R. The facility shall submit an electronic copy of the annual inspection report to the Illinois Environmental Protection Agency at epa.npdes.inspection@illinois.gov. The report shall include results of the annual facility inspection which is required by Part I of this condition. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s). The annual inspection report is considered a public document that shall be available at any reasonable time upon request.

NPDES Permit No. IL0049191

Special Conditions

- S. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.
- T. If the facility performs inspections more frequently than required by this permit, the results shall be included as additional information in the annual report.
- U. The permittee shall retain the annual inspection report on file at least 3 years. This period may be extended by request of the Illinois Environmental Protection Agency at any time.

Annual inspection reports shall be mailed to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Annual Inspection Report
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 13. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 14. Cooling Water Intake Structure.

Based on available information, the Agency has determined that the operation of the cooling water intake structure meets the equivalent of Best Technology Available (BTA) in accordance with the Best Professional Judgment provisions of 40 CFR 125.3 and 40 CFR 125.90(b), based on information available at the time of permit reissuance.

However, the Permittee shall comply with the requirements of the Cooling Water Intake Structure Existing Facilities Rule as found at 40 CFR 122 and 125. Any application materials and submissions required for compliance with the Existing Facilities Rule, shall be submitted to the Agency with the NPDES renewal application for this permit.

If for any reason, the Cooling Water Intake Structure Existing Facilities Rule is stayed or remanded by the courts, the Permittee shall comply with the requirements below. The information required below is necessary to further evaluate cooling water intake structure operations based on the most up to date information, in accordance with the Best Professional Judgment provisions of 40 CFR 125.3 and 40 CFR 125.90(b), in existence prior to the effective date of the new Existing Facilities Rule:

- A. The permittee shall submit the following information/studies with the NPDES renewal application for this permit:
 - 1. Source Water Physical Data to include:
 - a. A narrative description and scaled drawings showing the physical configuration of all source water bodies used by the facility including aerial dimensions, depths, salinity and temperature regimes;
 - b. Identification and characterization of the source waterbody's hydrological and geomorphological features, as well as the methods used to conduct any physical studies to determine the intake's area of influence and the results of such studies; and
 - c. Location maps.
 - 2. Source Waterbody Flow Information

The permittee shall provide the annual mean flow of the waterbody, any supporting documentation and engineering calculations to support the analysis of whether the design intake flow is greater than five percent of the mean annual flow of the river or stream for purposes of determining applicable performance standards. Representative historical data (from a period of time up to 10 years) shall be used, if available.

- 3. Impingement Mortality and Entrainment Characterization Study

NPDES Permit No. IL0049191

Special Conditions

The permittee shall submit an Impingement Mortality and Entrainment Characterization Study whose purpose is to provide information to support the development of a calculation baseline for evaluating impingement mortality and entrainment and to characterize current impingement mortality and entrainment. The Study shall include the following in sufficient detail to support establishment of baseline conditions:

- a. Taxonomic identification of all life stages of fish and shellfish and any species protected under Federal, State, or Tribal law (including threatened or endangered species) that are in the vicinity of the cooling water intake structure(s) and are susceptible to impingement and entrainment;
 - b. A characterization of all life stages of fish and shellfish, and any species protected under Federal, or State law, including a description of the abundance and temporal and spatial characteristics in the vicinity of the cooling water intake structure(s). These may include historical data that are representative of the current operation of the facility and of biological conditions at the site; and
 - c. Documentation of the current impingement mortality and entrainment of all life stages of fish, shellfish, and any species protected under Federal, State, or Tribal Law (including threatened or endangered species) and an estimate of impingement mortality and entrainment to be used as the calculation baseline. The documentation may include historical data that are representative of the current operation of the facility and of biological conditions at the site. Impingement mortality and entrainment samples to support the calculations required must be collected during periods of representative operational flows for the cooling water intake structure and the flows associated with the samples must be documented.
- B. The permittee shall comply with the following requirements:
1. At all times properly operate and maintain the intake equipment as demonstrated in the application material supporting the BTA determination.
 2. Inform IEPA of any proposed changes to the cooling water intake structure or proposed changes to operations at the facility that affect impingement mortality and/or entrainment.
 3. Debris collected on intake screens is prohibited from being discharged back to the canal. Debris does not include living fish or other living aquatic organisms.
 4. Compliance Alternatives. The permittee must evaluate each of the following alternatives for establishing BTA for minimizing adverse environmental impacts at the facility due to operation of the intake structure:
 - a. Evaluate operational procedures and/or propose facility modifications to reduce the intake through-screen velocity to less than 0.5 ft/sec. The operational evaluation may consider modified circulating water pump operation; reduced flow associated with capacity utilization, recalculation or determination of actual total water withdrawal capacity. The evaluation report and any implementation plan for the operational changes and/ or facility modification shall be submitted to the Agency with the renewal application for this permit.
 - b. Complete a fish impingement and entrainment mortality minimization alternatives evaluation. The evaluation may include an assessment of modification of the traveling screens, consideration of a separate fish and debris return system and include time frames and cost analysis to implement these measures. The evaluation report and implementation plan for any operational changes and/ or facility modifications shall be submitted to the Agency with the renewal application for this permit.
- C. All required reports shall be submitted to the Industrial Unit, Permit Section and Compliance Assurance Section at the address in Special Condition 11.

This special condition does not relieve the permittee of the responsibility of complying with any other laws, regulations, or judicial orders issued pursuant to Section 316(b) of the Clean Water Act.

SPECIAL CONDITION 15. All mercury testing shall be conducted in accordance with USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E. The permittee shall report the results of the monthly mercury sampling and shall also report the average concentration for the previous 12 months for mercury to determine compliance with the annual average limit of 12 ng/L. All mercury monitoring shall attain the minimum reporting limit recognized in Special Condition 18 and all results shall be reported in ng/L. Note: Compliance with the annual average limit is based on a rolling 12 month average. It is not based on a calendar year.

SPECIAL CONDITION 16. The discharge of a reportable quantity is not subject to the reporting requirements of Section 311 of the Clean Water Act, if such discharge is in compliance with this permit and such activity was reviewed and made part of the public record in

NPDES Permit No. IL0049191

Special Conditions

accordance with the issuance of this permit. The permittee is exempt from Section 311 reporting for discharges meeting the terms and conditions as found at 40 CFR 117.12.

SPECIAL CONDITION 17. The usage of Spectrus CT 1300, or a product with an equivalent active ingredient shall be conducted in accordance with US EPA recommendations. The methyl orange analytical method for surfactant shall be used to document that no detectable residual n-alkyl dimethyl benzyl ammonia chloride (ADBAC) exists after detoxification. Measurement shall be required at 8-hour intervals and analysis conducted immediately after collection of a grab sample.

SPECIAL CONDITION 18. The Permittee shall conduct semi-annual monitoring of the effluent from Outfalls 001****, 002, 004, 006, 007, 008, 009, 010, 011, and 013 and report concentrations (in mg/l) of the following listed parameters. Monitoring in accordance with this condition shall begin three (3) months from the effective date of this permit for Outfalls 001, 002, and 006. Monitoring in accordance with this condition shall begin one (1) year from the effective date of this permit for Outfalls 004, 007, 008, 009, 010, 011 and 013. The sample for Outfalls 001, 002, and 004 shall be a 24-hour effluent composite except as otherwise specifically provided below and the results shall be submitted on Discharge Monitoring Report Forms unless otherwise specified by the IEPA. The sample for Outfalls 006, 007, 008, 009, 010, 011, and 013 shall be a grab sample. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

<u>STORET CODE</u>	<u>PARAMETER</u>	<u>Minimum reporting limit</u>
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L
01027	Cadmium	0.001 mg/L
01032	Chromium (hexavalent) (grab)	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide (grab (available *** or amenable to chlorination)	5.0 ug/L
00720	Cyanide (total) (grab not to exceed 24 hours)	5.0 ug/L
00951	Fluoride	0.1 mg/L
01045	Iron (total)	0.5 mg/L
01046	Iron (Dissolved)	0.5 mg/L
01051	Lead	0.05 mg/L
01055	Manganese	0.5 mg/L
71900*****	Mercury (grab)**	1.0 ng/L*
01067	Nickel	0.005 mg/L
00556	Oil (hexane soluble or equivalent) (Grab Sample only)	5.0 mg/L
32730	Phenols (grab)	0.005 mg/L
01147	Selenium	0.005 mg/L
01077	Silver (total)	0.003 mg/L
01092	Zinc	0.025 mg/L

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solid, suspended or dissolved, elemental or combined, including all oxidation states.

*1.0 ng/L = 1 part per trillion.

**Utilize USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E.

***USEPA Method OIA-1677.

****Mercury and Oil and Grease monitoring of the effluent from Outfall 001 shall be conducted in accordance with the monitoring requirements shown on page 2 of this permit.

***** The mercury monitoring requirements of this condition do not apply to Outfalls 004, 007, 008, 010, and 013.

SPECIAL CONDITION 19. Groundwater quality at wells G116, APW-2, APW-3, and APW-4 shall be monitored quarterly for manganese, sulfate, total dissolved solids (TDS), zinc, and pH plus any other parameter determined to be of concern during the site assessment and review process. This monitoring data must be evaluated to determine if the addition of fly ash transport water from Generating Unit No. 2 which was approved under the modified permit issued January 31, 2012 is causing impacts to groundwater quality above concentrations existing in these wells prior to the addition of fly ash transport water from Generating Unit No. 2. If it is determined that additional impacts to groundwater are occurring, the permittee must, at a minimum, address the following:

- a) The permittee shall initiate an assessment of operational alternatives for ash handling within 30 days of a confirmed statistically significant increase in constituent concentrations attributable to the ash in the surface impoundment.
- b) The assessment of operational alternatives for ash handling shall include an analysis of hydrogeologic conditions, groundwater monitoring data and operational requirements and alternatives including reduction or elimination of wet

NPDES Permit No. IL0049191

Special Conditions

sluicing and/or removal from service of the impoundment, as necessary for the elimination of further impacts to groundwater quality.

- c) The permittee shall complete and submit the assessment and include a schedule for implementation of operational alternatives to the Agency within 90 days of initiation.
- d) Ash pond operational changes must be initiated within 30 days of Agency approval.

SPECIAL CONDITION 20. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

SPECIAL CONDITION 21. Discharges from the facility shall not cause a violation of the offensive conditions standard at Title 35 Ill. Adm. Code Part 302.203 which states, Waters of the State shall be free from sludge or bottom deposits, floating debris, visible oil, odor, plant or algal growth, color or turbidity of other than natural origin.

SPECIAL CONDITION 22. Semi-annual sampling shall be conducted once between the months of January – June and once between the months of July – December, with the results being submitted with the June and December DMRs respectively.

Quarterly sampling shall be conducted once per quarter with the results being submitted in March, June, September, and December.

SPECIAL CONDITION 23. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 24. For the purpose of this permit, the discharges from Outfalls 006, 011, and 012 are limited to storm water runoff, free from coal combustion residual (CCR) landfill leachate, flue gas desulphurization (FGD) process wastewater and other wastewater discharges. A permit modification request shall be submitted in accordance with Attachment H of this permit prior to discharging any additional waste stream which is not currently permitted. Any proposed modification for a new or increased discharge shall include an antidegradation assessment completed in accordance with Title 35 Ill. Adm. Code 302.105 and shall be subject to public notice.

NPDES Permit No. IL0049191

Special Conditions

Attachment A

The permittee shall monitor coal pile runoff for concentrations of copper (total) and iron (total) a minimum of four times prior to placing chemical metal cleaning wastewater rinses on the coal pile. The permittee shall monitor the coal pile runoff following the placement of chemical metal cleaning wastewater rinses on the coal pile. Upon placement of the rinses on the coal pile, for each placement which causes an effluent from the coal pile and each rainfall event which produces coal pile runoff during 30 days following placement on the coal pile, a representative grab sample shall be taken daily and analyzed for iron (total) and copper (total). The analysis report shall include the frequency, duration and amounts of the month's precipitation events.

If the permittee after monitoring coal pile runoff according to the above monitoring requirements from two separate placements of chemical metal cleaning wastewater not within the same 30-day period, can demonstrate to the satisfaction of the Agency that there is no significant discharge of the designated parameters caused by this practice, upon written request by the permittee, the Agency shall review the monitoring requirements and may, at their discretion revise or waive these monitoring requirements by letter without public notice or opportunity for hearing.

EXHIBIT B



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

PAT QUINN, GOVERNOR

JOHN J. KIM, INTERIM DIRECTOR

217/782-0610

January 31, 2012

Ameren Energy Generating Company
1901 Chouteau Avenue, (MC-602)
P.O. Box 66149
St. Louis, Missouri 63166-6149

Re: Ameren Energy Generating Company
Newton Power Station
NPDES Permit No. IL0049191
Modification of NPDES Permit (After Public Notice)

Gentlemen:

The Illinois Environmental Protection Agency has reviewed the request for modification of the above-referenced NPDES Permit and issued a public notice based on that request. The final decision of the Agency is to modify the Permit as follows:

1. The outfall 001 flow has been increased from 8.31 MGD to 17.2 MGD due to the proposed addition of wet sluicing from Unit 2. This modification is reflected on page 2 of the permit.
2. Phosphorus limits have been added to outfalls A01 and 003 due to the November 12, 2007 approval of the, "Little Wabash River II TMDL." The phosphorus load limits for Outfall 003 were modified since the July 14, 2011 public noticed draft to reflect the DAF and DMF. The new Outfall 003 load limits are 0.125 lbs/day for 30-day Average and 0.734 lbs/day for Daily Maximum.
3. Special Condition 21 was added which requires the installation of a continuous flow meter at Outfall 001.
4. Special Condition 22 was added which requires the monitoring of various metals at Outfall 001.
5. Special Condition 23 was added which requires influent monitoring for Flow, Phosphorus, and TSS.
6. Monthly phosphorus monitoring has been added to Outfall 001.
7. Special Condition 20 was modified to reflect a name change for a currently used additive.
8. Special Condition 4: The sulfate mixing zone designation has been removed from the permit.
9. The phosphorus load limits for Outfall 003 have been modified as noted above.
10. An annual average mercury limit of 12 ng/L has been added to Outfall 001.
11. The requirement for 12 total mercury samples for Outfall 001 previously noted in Special Condition 18 has been changed to monthly sampling.
12. Special Condition 26 has been added and requires an investigation to determine what the ash pond's current detention time is and how much available freeboard is present in both the primary and secondary ash ponds.
13. Special Condition 25 has been added requiring groundwater monitoring and an assessment of impacts. It also includes requirements if additional impacts to groundwater are occurring.

4302 N. Main St., Rockford, IL 61103 (815)987-7760
595 S. State, Elgin, IL 60123 (847)608-3131
2125 S. First St., Champaign, IL 61820 (217)278-5800
2009 Mall St., Collinsville, IL 62234 (618)346-5120

9511 Harrison St., Des Plaines, IL 60016 (847)294-4000
5407 N. University St., Arbor 113, Peoria, IL 61614 (309)693-5462
2309 W. Main St., Suite 116, Marion, IL 62959 (618)993-7200
100 W. Randolph, Suite 11-300, Chicago, IL 60601 (312)814-6026

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

PLEASE PRINT ON RECYCLED PAPER

Enclosed is a copy of the modified Permit. You have the right to appeal this modification to the Illinois Pollution Control Board within a 35 day period following the modification date shown on the first page of the permit.

Should you have any question or comments regarding the above, please contact Brian Cox of my staff.

Sincerely,



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

SAK:BWC:11051201.bwc

Attachment: Modified Permit

cc: Records
Compliance Assurance Section
Champaign Region
Billing

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

NPDES Permit No. IL0049191

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Modified (NPDES) Permit

Expiration Date: January 31, 2012

Issue Date: December 14, 2006

Effective Date: February 1, 2007

Modification Date: January 31, 2012

Name and Address of Permittee:
Ameren Energy Generating Company
1901 Chouteau Avenue, (MC-602)
P.O. Box 66149
St. Louis, Missouri 63166-6149

Facility Name and Address:
Ameren Energy Generating Company
Newton Power Station
6725 500th Street
Newton, Illinois 62448
(Jasper County)

Discharge Number and Name:

- 001 Secondary Ash Pond Discharge
- A01 Sewage Treatment Plant #2 Discharge
- 002 Main Condenser Cooling Water Discharge
- 003 Sewage Treatment Plant #1 Discharge
- 004 Construction Runoff Settling Pond Discharge
- 005 Intake Screen Backwash
- 006 Flue Gas Desulfurization Disposal Area Settling Pond #1
- 007,008, 009, and 010 Stormwater Runoff from Coal Delivery
Rail Lines and Ash Byproduct Storage
Areas
- 011 Flue Gas Desulfurization Sludge Disposal Area Settling
Pond #3
- 012 Flue Gas Desulfurization Sludge Disposal Area Settling
Pond #2

Receiving Waters:
Newton Lake

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, 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

SAK:BWC:11051201.bwc

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

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

Outfall(s): 001 Secondary Ash Pond Discharge*

This discharge consists of:

Approximate Flow:

1. Bottom ash sluice water	2.5 MGD
2. Fly ash sluice water	10.2 MGD
3. Water treatment filter backwash	0.15 MGD
4. Reverse Osmosis reject waste	0.125 MGD
5. Mixed bed waste	0.025 MGD
6. Air heater wash water	0.36 MGD (discharged 3x/year)
7. Boiler Blowdown	0.19 MGD
8. Wastewater sumps**	4.0 MGD
9. Sewage Treatment Plant #2 discharge	0.001 MGD
10. Storm water runoff***	Intermittent
11. Coal pile runoff	Intermittent
12. SCR Module Washwater	Intermittent

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>			CONCENTRATION <u>LIMITS mg/L</u>			SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	ANNUAL AVERAGE	30 DAY AVERAGE	DAILY MAXIMUM	ANNUAL AVERAGE		
Flow (MGD)							Daily****	Continuous Recording****
pH	See Special Condition No. 2						1/Week	Grab
Total Suspended Solids				30	50		1/Week	8-Hour Composite
Non-Volatile Total Suspended Solids				15	30		1/Week	8-Hour Composite
Oil and Grease				15	30		1/Month	Grab
Boron	See Special Condition No. 4				2.8		1/Week	Grab
Phosphorus (total)					Monitor Only		1/Month	Grab
Mercury*****						0.012 µg/L	1/month	Grab

*See Special Condition Nos. 5 and 22

**Wastewater sumps includes soot blower thermal drains, ash hopper overflow, ash pit sumps, boiler house floor drains, strainer backwash, and other miscellaneous contributory flows. These discharges are routed through a 45,000 gallon capacity oil/water separator before discharge to the ash pond system

***Includes runoff from coal delivery rail lines and from ash byproduct storage areas; See Special Condition No. 14

****See Special Condition No. 21

***** See Special Condition No. 18

NPDES Permit No. IL0049191

Effluent Limitations and Monitoring

- From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): A01 Sewage Treatment Plant #2 Discharge
 (DAF = 0.001 MGD, DMF = 0.0025 MGD)

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		
Flow (MGD)					1/Month	Measurement
pH	See Special Condition No. 2				1/Month	Grab 8-Hour Composite
BOD ₅	0.25	1.251	30	60	1/Month	8-Hour Composite
Total Suspended Solids	0.25	1.251	30	60	1/Week	8-Hour Composite
Total Residual Chlorine*				0.05	Daily*	Grab
Phosphorus (total)	0.00834**	0.0417**	1.0**	2.0**	1/Month	Grab

*See Special Condition No. 9
 **See Special Condition No. 24

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

Effluent Limitations and Monitoring

- From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 002 Main Condenser Cooling Water Discharge

This discharge consists of:

- Main condenser cooling water
- Various heat exchange cooling water discharges
- Storm water runoff*

Approximate Flow:

508.3 MGD
50.3 MGD
Intermittent

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION LIMITS mg/L		SAMPLE FREQUENCY	SAMPLE TYPE
	DAF (DMF)		LIMITS mg/L			
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)					Daily	Continuous Recording
Total Residual Chlorine				0.2**	2/Month**	Grab
Temperature	See Special Condition 8				Daily	Continuous Recording

*Includes runoff from coal delivery rail lines and ash byproduct storage areas; See Special Condition No. 15

**See Special Conditions No. 6 and No. 7

Effluent Limitations and Monitoring

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

Outfall(s): 003 Sewage Treatment Plant #1 Discharge
(DMF = 0.044 MGD)

Approximate Flow: 0.015 MGD

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		
Flow (MGD)					1/Week	Estimate*
pH	See Special Condition No. 2				1/Week	Grab
BOD ₅	3.6	22.0	30	60	1/Week	8-Hour Composite
Total Suspended Solids	3.6	22.0	30	60	1/Week	8-Hour Composite
Total Residual Chlorine**				0.05	Daily**	Grab
Phosphorus (total)	0.125***	0.734***	1.0***	2.0***	1/Month	Grab

*Based on elapsed running time meter on lift station pump.

**See Special Condition No. 9

*** See Special Condition No. 24

Outfall(s): 004 Construction Runoff Settling Pond Discharge

This discharge consists of:

Approximate flow:

1. Induced fan heat exchangers
2. Storm water runoff***

0.5 MGD
Intermittent

***Includes runoff from coal delivery rail lines; See Special Condition No. 15.

Outfall(s): 005 Intake Screen Backwash****

Approximate flow: 0.10 MGD

****Adequate maintenance of the trash basket is required to prevent the discharge of debris collected on intake screens back to Newton Lake.

Effluent Limitations and Monitoring

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

Outfall(s): 006 Flue Gas Desulfurization Sludge Disposal Area Settling Pond #1*

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		
Sulfate				Monitor Only	1/Quarter	8-Hour Composite
Boron				Monitor Only	1/Quarter	8-Hour Composite
Total Dissolved Solids				Monitor Only	1/Quarter	8-Hour Composite

The permittee shall continue to implement Best Management Practices operation methods for control of storm water runoff from the Flue Gas Desulfurization Sludge Disposal Area.

Outfall(s): 007, 008, 009, and 010 – Storm Water Runoff from Coal Delivery Rail lines and Ash Byproduct Storage Areas, See Special Conditions No. 15 and No. 18

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		
Mercury				Monitor Only	1/Quarter	Grab

Outfall(s): 011 Flue Gas Desulfurization Sludge Disposal Area Settling Pond #3
 See Special Condition No. 15

Outfall(s): 012 Flue Gas Desulfurization Sludge Disposal Area Settling Pond #2
 See Special Condition No. 15

NPDES Permit No. IL0049191

Special Conditions

SPECIAL CONDITION 1. Flow (MGD) shall be reported as 30 day average and daily maximum on the DMR form.

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. As part of the review process for this permit, the Agency concluded that adequate mixing exists in compliance with 35 Ill. Adm. Code 302.102 for Boron at Outfall 001. The extent of the Boron mixing zone is a radius of 200 feet from the end of the Outfall 001 discharge pipe into Newton Lake. Other such parameters may be discovered in the future and will be evaluated for mixing according to the Illinois Permitting Guidance for mixing zones.

SPECIAL CONDITION 5.

*****CONSTRUCTION AUTHORIZATION*****

Authorization is hereby granted to construct temporary supplemental cooling towers and related equipment on an as needed basis to ensure compliance with temperature limitations at Outfall 002. These supplemental cooling towers would draw a portion of the flow from the discharge flume, pass it through the supplemental towers, and return it to the flume.

This Authorization is issued subject to the following conditions.

1. If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee thereupon waives all rights thereunder.
2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and (c) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. The permittee shall notify the Agency in writing prior to placing the temporary supplemental cooling towers in service. Notification shall also be given upon taking the towers out of service.
4. The discharge of stormwater runoff associated with construction activities related to cooling tower installation, including clearing, grading and excavation activities which result in the disturbance of one acre or more of total land acre, are not covered by this permit or authorization. Prior to commencing construction, the permittee shall apply for and obtain coverage under the General NPDES Stormwater Permit for Construction Site Activities.

SPECIAL CONDITION 6. Chlorine when exclusively used may not be discharged from each unit's main cooling condenser for more than two hours in any one day. A minimum of three grab samples shall be taken at approximately five minute intervals above the second drop structure in the discharge flume during the respective biofoulant addition period of each unit allowing for lag time between the initiation of chlorine and/or bromine addition and the point of sampling before the first grab sample is taken. The individual values for each set of samples shall be reported including the unit sampled, the time samples were collected, the time and duration of the biofoulant dosing period plus the amount of chlorine and/or bromine applied. Continuous analyzers may be substituted for the above grab sampling method. When continuous analyzers are used, calculations submitted with the Discharge Monitoring Reports (DMRs) will be based on data collected on the first and third Wednesday of the calendar month. In the event of an analyzer malfunction on the above days, data will be collected on the following Wednesday by either an analyzer or by use of the grab sampling method. The unit sampled, the duration of biofoulant injection plus the amount of chlorine and/or bromine injected must be submitted with the Discharge Monitoring Reports when continuous analyzers are used.

SPECIAL CONDITION 7. Total Residual Chlorine and Total Residual Oxidant limits are an instantaneous maximum limit which shall not be exceeded at any time. The maximum limit when exclusively using chlorine in each unit for two hours or less in any one day, shall be 0.20 mg/l. The maximum limit for any usage of bromine solely or in conjunction with chlorine, shall be 0.05 mg/l. All samples for Total Residual Chlorine and/or total Residual Oxidant shall be analyzed by an applicable method listed in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. The amperometric titration lower detection limit is recognized as 0.05 mg/l. Therefore, a measurement of <0.05 mg/l shall be reported on the Discharge Monitoring Report as "0".

NPDES Permit No. IL0049191

Special Conditions

SPECIAL CONDITION 8. The following specific thermal limitations adopted through IPCB Order 78-271 pursuant to 35 Ill. Adm. Code 302.211(j)(5) shall apply at the edge of the mixing zone for the main condenser cooling water discharge. The edge of the mixing zone shall be a maximum area of 26 acres and compliance with the following thermal limitations determined by a fixed temperature recorder set at the edge of the mixing zone below the surface of the water.

1. The thermal discharge to Newton Lake from Central Illinois Power Company's Newton power station shall not result in a temperature, measured at the outside edge of the mixing zone in Newton Lake, which exceeds 102°F as a monthly average and 111 °F as a maximum.

The 111 °F maximum limit shall not be exceeded at any time. Monthly average and daily maximum temperature shall be reported on the DMR form.

SPECIAL CONDITION 9. Any use of chlorine to control slime growths odors or as an operational control, etc. shall not exceed the limit of 0.05 mg/l (daily maximum) total residual chlorine in the effluent. Sampling is required on a daily grab basis during the chlorination process. Reporting shall be submitted on the (DMR's) on a monthly basis.

SPECIAL CONDITION 10. Chemical metal cleaning wastewater rinses may be stored in the on-site clay lined pond until placement on an active area of the coal pile provided the wastewater does not exhibit hazardous characteristics as defined at 35 Ill. Adm. Code 729.301. Chemical metal cleaning wastewater rinses may be placed on an active area of the coal pile for incineration provided a demonstration showing BAT equivalency is submitted to the IEPA within 90 days following completion of treatment. This demonstration will consist of a sampling program approved by the IEPA which will provide for the monitoring of iron and copper levels in coal pile runoff prior to, during, and after placement of rinses onto the coal pile. This monitoring must show that the naturally occurring iron and copper levels in coal pile runoff are not altered through this disposal practice (attachment A). Metal cleaning wastewater rinses may also be evaporated in the boiler if this method has been approved and permitted by the Agency's Division of Air Pollution Control. Metal cleaning wastewater rinses may not be discharged other than as outlined in this condition unless this Permit No. IL0049191 has been modified to include the new discharge.

SPECIAL CONDITION 11. There shall be no discharge of polychlorinated biphenyl compounds (PCB's) such as those commonly used for transformer fluid.

SPECIAL CONDITION 12. Ameren Energy Generating Company (formerly Central Illinois Public Service Company) has complied with Section 302.211(f) of Title 35, Chapter 1, Subtitle C: Water Pollution Regulations and Section 316(a) of the CWA by demonstrating that its thermal discharges from its Newton Power Station have not caused and cannot be reasonably expected to cause significant ecological damage to Newton Lake as approved by PCB order 83-84 dated January 26, 1984 for Unit 1 and PCB order 88-207 dated January 25, 1990 for Unit 2. .

SPECIAL CONDITION 13. The permittee shall record monitoring results on Discharge Monitoring Report forms using one such form for each discharge each month. The completed Discharge Monitoring Report form shall be submitted monthly to IEPA, no later than the 28th of the following month, unless otherwise specified by the Agency, to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 14. 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.

NPDES Permit No. IL0049191

Special Conditions

SPECIAL CONDITION 15.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

- A. A storm water pollution prevention plan shall be developed by the permittee for the storm water associated with industrial activity at this facility. The plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit.
- B. The plan shall be completed within 180 days of the effective date of this permit. Plans shall provide for compliance with the terms of the plan within 365 days of the effective date of this permit. The owner or operator of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request. [Note: If the plan has already been developed and implemented it shall be maintained in accordance with all requirements of this special condition.]
- C. The permittee may be notified by the Agency at any time that the plan does not meet the requirements of this condition. After such notification, the permittee shall make changes to the plan and shall submit a written certification that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days after such notification to make the changes.
- D. The discharger shall amend the plan whenever there is a change in construction, operation, or maintenance which may affect the discharge of significant quantities of pollutants to the waters of the State or if a facility inspection required by paragraph G of this condition indicates that an amendment is needed. The plan should also be amended if the discharger is in violation of any conditions of this permit, or has not achieved the general objective of controlling pollutants in storm water discharges. Amendments to the plan shall be made within the shortest reasonable period of time, and shall be provided to the Agency for review upon request.
- E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:
 1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.
 2. A site map showing:
 - i. The storm water conveyance and discharge structures;
 - ii. An outline of the storm water drainage areas for each storm water discharge point;
 - iii. Paved areas and buildings;
 - iv. Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates.
 - v. Location of existing storm water structural control measures (dikes, coverings, detention facilities, etc.);
 - vi. Surface water locations and/or municipal storm drain locations
 - vii. Areas of existing and potential soil erosion;
 - viii. Vehicle service areas;
 - ix. Material loading, unloading, and access areas.
 3. A narrative description of the following:
 - i. The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;
 - ii. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;

NPDES Permit No. IL0049191

Special Conditions

- iii. Existing structural and non-structural control measures to reduce pollutants in storm water discharges;
 - iv. Industrial storm water discharge treatment facilities;
 - v. Methods of onsite storage and disposal of significant materials;
 4. A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.
 5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.
 6. A summary of existing sampling data describing pollutants in storm water discharges.
- F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:
1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.
 2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.
 3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.
 4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill clean up equipment and procedures should be identified, as appropriate. Internal notification procedures for spills of significant materials should be established.
 5. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to contribute pollutants, measures to remove pollutants from storm water discharge shall be implemented. In developing the plan, the following management practices shall be considered:
 - i. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff;
 - ii. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods to minimize oil contaminated storm water discharges;
 - iii. Debris & Sediment Control - Screens, booms, sediment ponds or other methods to reduce debris and sediment in storm water discharges;
 - iv. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers and used oils shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.
 - v. Storm Water Diversion - Storm water diversion away from materials manufacturing, storage and other areas of potential storm water contamination;
 - vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.
 6. Sediment and Erosion Prevention - The plan shall identify areas which due to topography, activities, or other factors, have a high potential for significant soil erosion and describe measures to limit erosion.
 7. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

NPDES Permit No. IL0049191

Special Conditions

goals of the storm water pollution control plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.

8. Inspection Procedures - Qualified plant personnel shall be identified to inspect designated equipment and plant areas. A tracking or follow-up procedure shall be used to ensure appropriate response has been taken in response to an inspection. Inspections and maintenance activities shall be documented and recorded.
- G. The permittee shall conduct an annual facility inspection to verify that all elements of the plan, including the site map, potential pollutant sources, and structural and non-structural controls to reduce pollutants in industrial storm water discharges are accurate. Observations that require a response and the appropriate response to the observation shall be retained as part of the plan. Records documenting significant observations made during the site inspection shall be submitted to the Agency in accordance with the reporting requirements of this permit.
- H. This plan should briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated thereunder, and Best Management Programs under 40 CFR 125.100.
- I. The plan is considered a report that shall be available to the public under Section 308(b) of the CWA. The permittee may claim portions of the plan as confidential business information, including any portion describing facility security measures.
- J. The plan shall include the signature and title of the person responsible for preparation of the plan and include the date of initial preparation and each amendment thereto.

Construction Authorization

- K. Authorization is hereby granted to construct treatment works and related equipment that may be required by the Storm Water Pollution Prevention developed pursuant to this permit.

This Authorization is issued subject to the following condition(s).

1. If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee there upon waives all rights thereunder.
2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. Plans and specifications of all treatment equipment being included as part of the stormwater management practice shall be included in the SWPPP.
4. Construction activities which result from treatment equipment installation, including clearing, grading and excavation activities which result in the disturbance of one acre or more of land area, are not covered by this authorization. The permittee shall contact the IEPA regarding the required permit(s).

REPORTING

- L. The facility shall submit an annual inspection report to the Illinois Environmental Protection Agency. The report shall include results of the annual facility inspection which is required by Part G of the Storm Water Pollution Prevention Plan of this permit. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s).
- M. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.

NPDES Permit No. IL0049191

Special Conditions

N. Annual inspection reports shall be mailed to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Annual Inspection Report
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

O. If the facility performs inspections more frequently than required by this permit, the results shall be included as additional information in the annual report.

SPECIAL CONDITION 16. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 17. The Permittee's facility has been deemed to meet the criteria as a phase II existing facility (under section 316(b) of the Clean Water Act) pursuant to 40 CFR 125.91. Therefore, the permittee must fulfill the applicable requirements of 40 CFR 125 Subpart J, and 40 CFR 122(r)(2), (3) and (5). The regulation at 40 CFR 125.95 requires submittal of a Proposal for Information Collection (PIC) to support the development of a Comprehensive Demonstration Study (CDS) for the herein permitted facility. The PIC will be reviewed by the Agency and a response will be provided. An extension of time to submit the CDS has been granted. Therefore, you must submit your CDS on or before January 7, 2008. Once the CDS has been reviewed by the Agency and a compliance strategy has been approved, this permit will be modified to include implementation, monitoring, and reporting requirements pursuant to 40 CFR 125.98.

Ameren Energy Generating Company's (formerly Central Illinois Public Service Company) original demonstration for the Newton Power Station in accordance with Section 316(b) of the Clean Water Act, was approved by this Agency by letter dated August 26, 1981.

SPECIAL CONDITION 18. From the modification date of this permit, Outfall 001 shall be monitored for mercury on a monthly basis. Outfalls 004, 007, 008, 009, and 010 shall each be monitored for mercury on a quarterly basis until four samples have been collected at each outfall. After collection of all required samples, and upon written notification to the Agency the sampling may cease, unless the Agency modifies the permit to require continued sampling at some frequency. Low-level mercury monitoring shall be performed using USEPA analytical test method 1631 or equivalent.

SPECIAL CONDITION 19. The discharge of a reportable quantity is not subject to the reporting requirements of Section 311 of the Clean Water Act, if such discharge is in compliance with this permit and such activity was reviewed and made part of the public record in accordance with the issuance of this permit. The permittee is exempt from Section 311 reporting for discharges meeting the terms and conditions as found at 40 CFR 117.12.

SPECIAL CONDITION 20. The usage of Spectrus CT 1300, or a product with an equivalent active ingredient shall be conducted in accordance with US EPA recommendations. The methyl orange analytical method for surfactant shall be used to document that no detectable residual n-alkyl dimethyl benzyl ammonia chloride (ADBAC) exists after detoxification. Measurement shall be required at 8-hour intervals and analysis conducted immediately after collection of a grab sample.

SPECIAL CONDITION 21. A continuous flow meter shall be installed at a point representative of the outfall 001 discharge. This flow meter shall be operational within 6 months from the modification date of this permit. Prior to the flow meter becoming operational, the sampling frequency for outfall 001 flow shall continue to be 1/week and the sample type shall continue to be a single reading taken at the outfall and measured when monitoring.

SPECIAL CONDITION 22. The Permittee shall monitor the effluent from outfall 001 for the following parameters on a quarterly basis, until a total of twelve samples have been collected. After collection of all required samples, and upon written notification to the Agency the sampling may cease, unless the Agency modifies the permit to require continued sampling at some frequency. This Permit may be modified with public notice to establish effluent limitations if appropriate, based on information obtained through sampling. The sample shall be a 24-hour effluent composite except as otherwise specifically provided below and the results shall be submitted to the address in special condition 13 in March, June, September, and December. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

<u>STORET CODE</u>	<u>PARAMETER</u>	<u>Minimum reporting limit</u>
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

Special Conditions

01027	Cadmium	0.001 mg/L
01032	Chromium (hexavalent) (grab)	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide (grab) (weak acid dissociable)	5.0 ug/L
00720	Cyanide (grab not to exceed 24 hours) (total)	5.0 ug/L
00951	Fluoride	0.1 mg/L
01045	Iron (total)	0.5 mg/L
01046	Iron (Dissolved)	0.5 mg/L
01051	Lead	0.05 mg/L
01055	Manganese	0.5 mg/L
01067	Nickel	0.005 mg/L
32730	Phenols (grab)	0.005 mg/L
01147	Selenium	0.005 mg/L
01077	Silver (total)	0.003 mg/L
01092	Zinc	0.025 mg/L

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solid, suspended or dissolved, elemental or combined, including all oxidation states.

SPECIAL CONDITION 23. The Newton Power Station's source water (influent) shall be monitored at the point of intake as follows:

<u>Parameter</u>	<u>Sample Frequency</u>	<u>Sample Type</u>
Flow (MGD)	Continuous	Measurement
Phosphorus (total)	1/Month	Grab
Suspended Solids	1/Month	Grab

Results of influent monitoring shall be submitted on the Discharge Monitoring Reports noted in Special Condition 13.

SPECIAL CONDITION 24. Schedule of Compliance with Final Effluent Limitations

The Total Phosphorus limits specified for Outfalls A01 and 003, respectively on pages 3 and 5 of this permit, shall become effective upon completion of the following compliance schedule:

<u>Compliance Item</u>	<u>Compliance Date</u>
1. Perform a study to examine if additional treatment equipment is necessary to comply with the proposed limits.	6 Months from the Effective Date of This Permit
2. Submit an Interim Report on the findings of the study*	8 Months from the Effective Date of This Permit
3. Determine necessary equipment to achieve compliance and submit construction permit application	12 Months from the Effective Date of This Permit
4. Complete installation of necessary equipment to achieve compliance and submit Interim Report	18 Month from the Effective Date of This Permit
5. Achieve Compliance	24 Months from the Effective Date of this Permit

*The Interim Report shall be submitted to the IEPA to the address identified in Special Condition 13. Should the study identify that additional equipment is not needed to comply with the limits, the compliance date shall be moved to 9 months from the effective date of this permit and items 3, 4 and 5 shall be dropped from the compliance schedule.

Total Phosphorus shall be monitored until the limits specified for Outfalls A01 and 003, respectively on pages 3 and 5 of this permit become effective.

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.

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

Special Conditions

SPECIAL CONDITION 25. Groundwater quality at wells G116, APW-2, APW-3, and APW-4 shall be monitored quarterly for manganese, sulfate, total dissolved solids (TDS) and pH plus any other parameter determined to be of concern during the site assessment and review process. This monitoring data must be evaluated to determine if the additional ash load is causing impacts to groundwater quality above existing concentrations in these wells. If it is determined that additional impacts to groundwater are occurring, the permittee must then at a minimum address the following:

- a) The permittee shall initiate an assessment of operational alternatives for ash handling within 30 days of a confirmed statistically significant increase in constituent concentrations attributable to the ash in the surface impoundment.
- b) The assessment of operational alternatives for ash handling shall include an analysis of hydrogeologic conditions, groundwater monitoring data and operational requirements and alternatives including reduction or elimination of wet sluicing and/or removal from service of the impoundment, as necessary for the elimination of further impacts to groundwater quality.
- c) The permittee shall complete and submit the assessment and include a schedule for implementation of operational alternatives to the Agency within 90 days of initiation.
- d) Ash pond operational changes must be initiated within 30 days of Agency approval.

SPECIAL CONDITION 26. The permittee shall conduct a study or provide theoretical calculations to determine the current retention time of the primary and secondary ash ponds. The results of this study shall be submitted to the Agency within 60 days of the modification date of this permit. In addition to the average retention time, the study results shall identify how much freeboard is currently available in both ash ponds.

NPDES Permit No. IL0049191

Attachment A

The permittee shall monitor coal pile runoff for concentrations of copper (total) and iron (total) a minimum of four times prior to placing chemical metal cleaning wastewater rinses on the coal pile. The permittee shall monitor the coal pile runoff following the placement of chemical metal cleaning wastewater rinses on the coal pile. Upon placement of the rinses on the coal pile, for each placement which causes an effluent from the coal pile and each rainfall event which produces coal pile runoff during 30 days following placement on the coal pile, a representative grab sample shall be taken daily and analyzed for iron (total) and copper (total). The analysis report shall include the frequency, duration and amounts of the month's precipitation events.

If the permittee after monitoring twice the above practice for incineration of chemical metal cleaning rinses can demonstrate to the satisfaction of the permitting authority that there is no significant discharge of the designated parameters caused by this practice, upon written request by the permittee, the permitting authority shall review the monitoring requirements and may, at their discretion revise or waive these monitoring requirements by letter without public notice or opportunity for hearing.

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

Attachment H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L 92-500, as amended. 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 5 minutes.

4-Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8-Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

- (1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirements.
- (2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.
- (3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.
- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.
- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62 and 40 CFR 122.63. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency upon request, copies of records required to report on this permit.

(9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency or USEPA (including an authorized contractor acting as a representative of the Agency or USEPA), upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**

- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. Records related to the permittee's sewage sludge use and disposal activities shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503). This period may be extended by request of the Agency or USEPA at any time.
- (c) Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;
 - (4) The individual(s) who performed the analyses;
 - (5) The analytical techniques or methods used; and
 - (6) The results of such analyses.
- (d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.

(a) **Application.** All permit applications shall be signed as follows:

- (1) For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
- (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

(b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly

authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph (a); and
 - (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
 - (3) The written authorization is submitted to the Agency.
- (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (d) **Certification.** Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

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.

(12) **Reporting requirements.**

(a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.

Notice is required when:

- (1) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source pursuant to 40 CFR 122.29 (b); or
 - (2) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements pursuant to 40 CFR 122.42 (a)(1).
 - (3) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- (b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) **Transfers.** This permit is not transferable to any person except after notice to the Agency.
- (d) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- (e) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.
- (1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

- (2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- (3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.
- (f) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24-hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24-hours:
- (1) Any unanticipated bypass which exceeds any effluent limitation in the permit.
 - (2) Any upset which exceeds any effluent limitation in the permit.
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit or any pollutant which may endanger health or the environment.
- The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24-hours.
- (g) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12) (d), (e), or (f), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12) (f).
- (h) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.
- 13) **Bypass.**
- (a) Definitions.
- (1) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
 - (2) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- (b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (13)(c) and (13)(d).
- (c) Notice.
- (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
 - (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (12)(f) (24-hour notice).
- (d) Prohibition of bypass.
- (1) Bypass is prohibited, and the Agency may take enforcement action against a permittee for bypass, unless:
 - (i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - (ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (iii) The permittee submitted notices as required under paragraph (13)(c).
 - (2) The Agency may approve an anticipated bypass, after considering its adverse effects, if the Agency determines that it will meet the three conditions listed above in paragraph (13)(d)(1).
- (14) **Upset.**
- (a) Definition. Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- (b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (14)(c) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- (c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated; and
 - (3) The permittee submitted notice of the upset as required in paragraph (12)(f)(2) (24-hour notice).
 - (4) The permittee complied with any remedial measures required under paragraph (4).
- (d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.
- (15) **Transfer of permits.** Permits may be transferred by modification or automatic transfer as described below:
- (a) Transfers by modification. Except as provided in paragraph (b), a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued pursuant to 40 CFR 122.62 (b) (2), or a minor modification made pursuant to 40 CFR 122.63 (d), to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
- (b) Automatic transfers. As an alternative to transfers under paragraph (a), any NDES permit may be automatically

transferred to a new permittee if:

- (1) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
 - (2) The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage and liability between the existing and new permittees; and
 - (3) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (16) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
 - (1) One hundred micrograms per liter (100 ug/l);
 - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6 dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
 - (4) The level established by the Agency in this permit.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (17) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
- (a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and
 - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
 - (c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (18) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
- (a) User charges pursuant to Section 204 (b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
 - (b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
 - (c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.
- (19) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.
 - (20) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.
 - (21) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.
 - (22) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$25,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Additional penalties for violating these sections of the Clean Water Act are identified in 40 CFR 122.41 (a)(2) and (3).
 - (23) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment for not more than 4 years, or both.
 - (24) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
 - (25) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
 - (26) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
 - (27) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board or any court with jurisdiction.
 - (28) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

Rev. 7-9-2010 bah)

Please contact Environmental Services (Mike Smallwood) for any questions regarding this permit.

CERTIFICATE OF SERVICE

I, the undersigned, certify that on this 5th day of November, 2015:

I have electronically served a true and correct copy of the attached **PETITION FOR REVIEW OF IEPA NPDES PERMIT DECISION AND MOTION FOR PARTIAL STAY and APPEARANCES**, on behalf of Illinois Power Generating Company, upon the following Mr. John Therriault, Clerk of the Illinois Pollution Control Board at the email address of John.therriault@illinois.gov;

My e-mail address is aantoniolli@schiffhardin.com;

The number of pages in the e-mail transmission is 54.

The e-mail transmission took place before 5:00 p.m.

I further certify that I have served a true and correct copy of the attached **PETITION FOR REVIEW OF IEPA NPDES PERMIT DECISION AND MOTION FOR PARTIAL STAY and APPEARANCES**, on behalf of Illinois Power Generating Company, by first class mail, postage affixed, upon:

Division Chief of Environmental Enforcement
Office of the Attorney General
100 West Randolph St., Suite 1200
Chicago, IL 60601

Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

A handwritten signature in cursive script that reads "Amy Antonioli". The signature is written in black ink and is positioned above a solid horizontal line.

Amy Antonioli

Amy Antonioli
SCHIFF HARDIN LLP
233 South Wacker Drive, Suite 6600
Chicago, Illinois 60606
312-258-5500