NPDES Permit No. IL0000116
Notice No. MEL:11042501.bah

Public Notice Beginning Date: **June 1, 2011**

Public Notice Ending Date: **July 1, 2011**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

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

Name and Address of Discharger:
Ameren Energy Generating Company
P.O. Box 66149, MC - 602
St. Louis, MO 63166

Name and Address of Facility:
Ameren Energy Generating Company
Meredosia Power Station
800 South Washington Street
Meredosia, Illinois 62665
(Morgan County)

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

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

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

The applicant is engaged in the operation of a 588 MW steam electric generating station consisting of five pulverized coal boilers in Units 1-3 and one oil-fired boiler (unite 4) (SIC 4911). The station consists of five pulverized coal boilers (units 1 and 2 (two boilers each), and unit 3), and one oil fired boiler (unit 4). Units 1, 2 and 3 obtain cooling water from and discharge directly to the Illinois River, Unit 4 uses a closed loop mechanical draft cooling tower. Approximately 10 percent of the cooling tower water is discharged and replaced with fresh water on each cycle through the system. River water is used for ash sluicing and for supply to the service water system which supplies various other non-contact heat exchangers. Well water is used for potable water and for other make up purposes. Plant operation results in an average discharge of 173.4 MGD of condenser cooling water from outfall 001, 10.5 MGD of Cooling Tower Blowdown from outfall 002, 2.4 MGD of Bottom Ash Pond Discharge from outfall 003, 0.4 MGD of Fly Ash Pond Discharge from Outfall 004 and 0.54 MGD of Intake Screen Backwash from Outfall 006. (These flow rates are based on long term averages).

The following modification is proposed:

Demineralizer regenerant wastewater currently routed to the Fly Ash Pond (Outfall 004) may be alternatively directed to the Bottom Ash Pond (Outfall 003) as dictated by Station operators.

Application is made for the existing discharge(s) which are located in Morgan County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Illinois River	39° 49′ 25″ North	90° 34′ 05″ West	General Use	Not Rated
002	Illinois River	39° 49′ 25″ North	90° 34′ 05″ West	General Use	Not Rated
003	Illinois River	39° 49′ 15″ North	90° 34′ 25″ West	General Use	Not Rated
004	Illinois River	39° 49′ 00″ North	90° 34′ 35″ West	General Use	Not Rated
006	Illinois River	39° 49′ 25″ North	90° 34′ 05″ West	General Use	Not Rated

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

The stream segment ILD-32 receiving the discharge from outfall(s) 001, 002, 003, 004, and 006 is on the 2008 303 (d) list of impaired waters, and is (are) a biologically significant stream.

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

Pollutants	Potential Contributors
Primary Contact	Fecal coliform
Fish Consumption	Mercury, PCBs

The discharge(s) from the facility shall be monitored and limited at all times as follows:

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/L		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: 001 – Condenser Cooling Water Discharge Unit 1-3 Approximate Flow: 200.00 MGD						
Flow	See Special Condition 1			Measure		35 IAC 309.146
Temperature	See Special Condition 3					35 IAC 302.211
Total Residual Chlorine/Oxidant					0.05	40 CFR 125.3
Outfall: A01 – Boiler Blowdown (Discharge 0.01 MGD)						
Flow	See Special Condition 1					
Total Suspended Solids				15	30	35 IAC 304.124
Oil & Grease				15	20	40 CFR 423
Outfall: 002 – Cooling Tower Blowdown (Discharge = 12.3 MGD) Cooling Tower Emergency Overflow (Discharge = 0.01 MGD)						
Flow	See Special Condition 1					35 IAC 309.146
pH	See Special Condition 2					35 IAC 304.125
Total Residual Chlorine/Oxidant					0.05	40 CFR 125.3
Total Copper					0.161	35 IAC 302.208
Total Chromium				0.2	0.2	40 CFR 423
Total Zinc				1.0	1.0	40 CFR 423

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/L		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: A02 – Cooling Tower Emergency Overflow – Unit 4 (Discharge = 0.01 MGD)						
Flow	See Special Condition 1					35 IAC 309.146
Outfall: 003 – Bottom Ash Discharge						
Flow	See Special Condition 1					35 IAC 309.146
pH	See Special Condition 2					35 IAC 304.125
Total Suspended Solids	725	4503	40 CFR 423	30	100	40 CFR 423
Oil & Grease	362	901	40 CFR 423	15	20	40 CFR 423
Mercury					Monitor Only	35 IAC 309.146
Outfall: A03 – Chemical Metal Cleaning Wastewater (Discharge = 0.3 MGD)						
Flow	See Special Condition 1					35 IAC 309.146
Iron				1.0	1.0	40 CFR 423
Copper				1.0	1.0	40 CFR 423
Outfall: 004 – Fly Ash Pond Discharge						
Flow	See Special Condition 1					35 IAC 309.146
pH	See Special Condition 2					35 IAC 304.125
Total Suspended Solids	86	783	40 CFR 423	30	100	40 CFR 423
Oil & Grease	43	157	40 CFR 423	15	20	40 CFR 423
Mercury					Monitor Only	35 IAC 309.146
Outfall: 006 – Intake Screen Backwash (Discharge = 0.54 MGD)						
Total Residual Chlorine/Oxidant					0.05	49 CFR 125.3

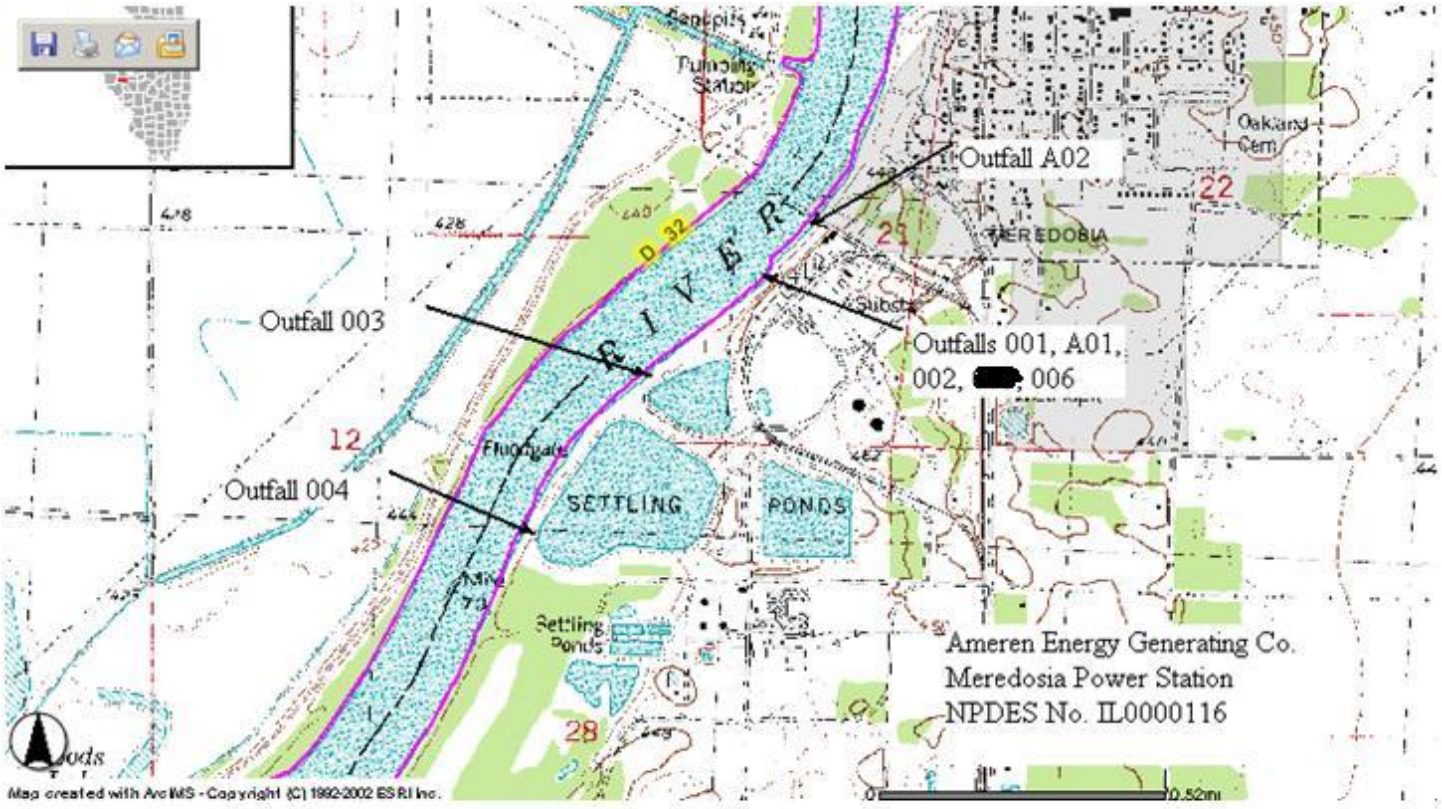
Load Limit Calculations:

Load limit calculations for the following pollutant parameters were based on an average flow of 2.9 MGD or 0.34 MGD and a maximum flow of 5.4 MGD or 0.94 MGD and using the formula of average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): TSS and Oil and Grease for both Outfalls 003 and 004.

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

The Special Conditions serve to clarify discharge conditions, limits, monitoring requirements, and reporting requirements.


Outfall A02
Outfall 003
Outfalls 001, A01, 002, [redacted] 006
Outfall 004
SETTLING
PONDS
Ameren Energy Generating Co.
Meredosia Power Station
NPDES No. IL0000116
Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

Public Notice of Draft Permit

Public Notice Number MEL:11042501.bah is hereby given by Illinois EPA, Division of Water Pollution Control, Permit Section, 1021 North Grand Avenue East, Post Office Box 19276, Springfield, Illinois 62794-9276 (herein Agency) that a draft National Pollutant Discharge Elimination System (NPDES) Permit Number IL0000116 has been prepared under 40 CFR 124.6(d) for Ameren Energy Generating Company, P.O. Box 66149, MC - 602, St. Louis, MO 63166 for discharge into Illinois River from the Ameren Energy Generating Company, 800 South Washington Street, Meredosia, Illinois 62665 (Morgan County). The Applicant operates an existing 588 mw fossil fueled steam electric generating station. The facility discharges approximately 173 MGD of condenser cooling water from Outfall 001, 0.014 MGD of boiler blowdown from Outfall A01, 10.5 MGD of cooling tower blowdown from Outfall 002, 0.01 MGD of cooling tower emergency overflow from Outfall A02, 2.4 MGD of bottom ash pond discharge from Outfall 003, 0.4 MGD of fly ash pond discharge from Outfall 004, 0.3 MG/year of chemical metal finishing wastewater from Outfall A03, and 0.54 MGD of intake screen backwash from Outfall 006. Application is made for the continuation of existing discharges.

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

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

Any interested person may submit written request for a public hearing on the draft

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

NPDES Permit No. IL0000116

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:

Issue Date:
Effective Date:

Name and Address of Permittee:
Ameren Energy Generating Company
P.O. Box 66149, MC - 602
St. Louis, MO 63166

Facility Name and Address:
Ameren Energy Generating Company
Meredosia Power Station
800 South Washington Street
Meredosia, Illinois 62665
(Morgan County)

Discharge Number and Name:	Receiving Waters:
001 – Condenser Cooling Water (Units 1, 2, and 3)	Illinois River
A01 – Boiler Blowdown	Illinois River
002 – Cooling Tower Blowdown	Illinois River
A02 – Cooling Tower Emergency Overflow	Illinois River
003 – Bottom Ash Pond Discharge	Illinois River
A03 – Chemical Metal Cleaning Wastewater	Illinois River
004 – Fly Ash Pond Discharge	Illinois River
006 – Intake Screen Backwash	Illinois River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, 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: MEL:11042501.bah

NPDES Permit No. IL0000116

Effluent Limitations and Monitoring

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:

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall: 001 – Condenser Cooling Water Discharge Unit 1-3 Approximate Flow: 200.00 MGD						
Flow	See Special Condition 1			Measure	Daily	Continuous
Temperature	See Special Condition 3				Daily	Continuous
Total Residual Chlorine/Oxidant	See Special Condition 4				2/Month	Grab*
*See Special Condition 8.						
Outfall: A01 – Boiler Blowdown (Discharge 0.01 MGD)						
Flow	See Special Condition 1				1/Month	24-Hour Total
Total Suspended Solids			15	30	1/Year	Grab
Oil & Grease			15	20	1/Year	Grab
Outfall: 002 – Cooling Tower Blowdown (Discharge = 12.3 MGD) Cooling Tower Emergency Overflow (Discharge = 0.01 MGD)						
Flow	See Special Condition 1				1/Week	24-Hour Total
pH	See Special Condition 2				When Discharging	Grab
Total Residual Chlorine/Oxidant				0.05	When Discharging	Grab*
Total Copper				0.161	When Discharging	8-Hour Composite
Total Chromium			0.2	0.2	**	8-Hour Composite
Total Zinc			1.0	1.0	**	8-Hour Composite
*See Special Condition 8. **See Special Condition 13.						
Outfall: A02 – Cooling Tower Emergency Overflow – Unit 4 (Discharge = 0.01 MGD)						
Flow	See Special Condition 1				Daily When Discharging	24-Hour Total

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall: 003 – Bottom Ash Discharge (Interim Effluent Limits During Cleanout) Outfall: 004 – Fly Ash Pond Discharge (Interim Effluent Limits During Cleanout) This Discharge Consists of: Approximate Flow: 1. Bottom Ash Sluice, Water 0.67 MGD 2. Various Heat Exchanger Cooling Water Discharges 2.25 MGD 3. Cooling Tower Area Drainage 0.252 MGD 4. Coal Pile Runoff 0.002 MGD 5. Storm Water Runoff* 0.002 MGD 6. Air Heater Wash Water 0.364 MG/YR 7. Boiler Room Sumps & Drains** 1.93 MGD 8. Ash Hopper Water Seals 1.87 MGD 9. Unit No. 4 Boiler Blowdown 0.043 MGD 10. Chemical Metal Cleaning Wastewater 0.3 MG/YR 11. Well Rehabilitation and Cleaning Water Intermittent 12. Fly Ash Sluice Water 0.876 MGD 13. Water Treatment Filter Backwash 0.025 MGD 14. Demineralizer Regenerant Waste 0.038 MGD						
Flow	See Special Condition 1				Measure When Monitoring	Single Reading
pH	See Special Condition 2				1/Week	Grab
Total Suspended Solids	811	5286	30	100	1/Week	8-Hour Composite
Oil & Grease	405	1058	15	20	1/Month	Grab

*See Special Condition 16.
**Routed through oil water separator before discharge to the ash pond system.

See Special Condition 18 for explanation of applicability of interim effluent limitations and monitoring requirements at Outfall 003

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Effluent Limitations and Monitoring

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:

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall: 003 – Bottom Ash Discharge This Discharge Consists of: Approximate Flow: 1. Bottom Ash Sluice Water 0.67 MGD 2. Various Heat Exchanger Cooling Water Discharges 2.25 MGD 3. Cooling Tower Area Drainage 0.252 MGD 4. Coal Pile Runoff 0.002 MGD 5. Storm Water Runoff* 0.001 MGD 6. Air Heater Wash Water 0.364 MG/YR 7. Boiler Room Sumps & Drains** 1.93 MGD 8. Ash Hopper Water Seals 1.87 MGD 9. Unit No. 4 Boiler Blowdown 0.043 MGD 10. Chemical Metal Cleaning Wastewater 0.3 MG/YR 11. Well Rehabilitation and Cleaning Water Intermittent						
Flow	See Special Condition 1				Measure When Monitoring	Single Reading
pH	See Special Condition 2				1/Week	Grab
Total Suspended Solids	725	4503	30	100	1/Week	8-Hour Composite
Oil & Grease	362	901	15	20	1/Month	Grab
Mercury					1/Quarter***	Grab
*See Special Condition 16. **Routed through oil water separator before discharge to the ash pond system. ***See Special Conditions 6 and 7. See Special Condition 18 for explanation of applicability of interim effluent limitations and monitoring requirements at Outfall 003						
Outfall: A03 – Chemical Metal Cleaning Wastewater (Discharge = 0.3 MGD)						
Flow	See Special Condition 1				Daily When Discharging	24-Hour Total
Iron			1.0	1.0	Daily When Discharging	8-Hour Composite
Copper			1.0	1.0	Daily When Discharging	8-Hour Composite

NPDES Permit No. IL0000116

Effluent Limitations and Monitoring

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:

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall: 004 Fly Ash Pond Discharge This Discharge Consists of: Approximate Flow: 1. Fly Ash Sluice Waster 0.876 MGD 2. Water Treatment Filter Backwash 0.025 MGD 3. Demineralizer Regenerant Waste 0.038 MGD 4. Storm Water Runoff* 0.001 MGD						
Flow	See Special Condition 1				Measure When Monitoring	Single Read
pH	See Special Condition 2				1/Week	Grab
Total Suspended Solids	86	783	30	100	1/Week	8-Hour Composite
Oil & Grease	43	157	15	20	1/Month	Grab
Mercury				Monitor Only	1/Quarter**	Grab

*See Special Condition 16.
**See Special Conditions 6 and 7.

Outfall: 006 – Intake Screen Backwash (Discharge = 0.54 MGD)						
Total Residual Chlorine/Oxidant				0.05	2/Month	Grab

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Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day and reported as a monthly average and a daily maximum on the monthly discharge monitoring report.

SPECIAL CONDITION 2. pH shall be in the range 6.0 to 9.0 and shall be reported as a daily maximum and a daily minimum.

SPECIAL CONDITION 3. This facility meets the allowed mixing criteria for thermal discharges at the edge of the mixing zone in the Illinois River, pursuant to 35 IAC 302.102. No reasonable potential exists for the discharge to cause exceedances of the thermal water quality standards in the Illinois River. This determination is based a design average flow of 200 MGD and a maximum reported temperature of 102.8^{o}F. The permittee shall monitor the flow and temperature of the discharge prior to entry into the receiving water body. Monitoring results shall be reported on the monthly Discharge Monitoring Report. This permit may be modified to include formal temperature limitations should the results of the monitoring show that there is reasonable potential to exceed a thermal water quality standard. Modification to this permit shall follow public notice and opportunity for comment.

There shall be no abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions. The normal daily and seasonal temperature fluctuations which existed before the addition of heat due to other than natural causes shall be maintained.

SPECIAL CONDITION 4. 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 5. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using on e such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.
The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, http://www.epa.state.il.us/water/edmr/index.html.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 28th day of the following month, unless specified by the permitting authority. Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

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

Attention: Compliance Assurance Section, Mail Code #19

SPECIAL CONDITION 6. Outfall 003, and 004 shall be monitored for mercury on a quarterly basis until 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.

SPECIAL CONDITION 7. All samples for mercury must be analyzed by EPA Method 1631E using the digestion procedure described in Section 11.1.1.2 of 1631E, which dictates that samples must be heated at 50oC for 6 hours in a bromine chloride (BrCl) solution in closed vessels.

SPECIAL CONDITION 8. 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.

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

SPECIAL CONDITION 10. Ameren Energy Generating Company has complied with Section 302.211(f) of Title 35, Chapter 1, Subtitle C: Water Pollution Regulations by demonstrating that thermal discharge from the Meredosia Power Plant has not caused and cannot reasonably be expected to cause significant ecological damage to the Illinois River as approved by the IPCB in PCB 78-101 on November 16, 1978. Pursuant to 35 Ill. Adm. Code 302.211(g) no additional monitoring or modification is being required for reissuance of this NPDES permit.

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Special Conditions

SPECIAL CONDITION 11. Ameren Energy Generating Company demonstration for the Meredosia Power Station in accordance with Section 316(b) of the CWA was determined to meet BTA at the time of the demonstration, and was approved by this Agency by letter dated August 16, 1981.

SPECIAL CONDITION 12. In order for the Agency to evaluate the potential impacts of cooling water intake structure operations pursuant to 40 CFR 125.90(b), the permittee shall prepare and submit information to the Agency outlining current intake structure conditions at this facility, including a detailed description of the current intake structure operation and design, description of any operational or structural modifications from original design parameters, source waterbody flow information, or other information as necessary.

The information shall also include a summary of historical 316(b) related intake impingement and / or entrainment studies, if any, as well as current impingement mortality and / or entrainment characterization data; and shall be submitted to the Agency within six (6) months of the permit's effective date. The permittee has complied with this by submitting their impingement data summary that was part of the last renewal package.

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

SPECIAL CONDITION 13. If cooling tower maintenance chemicals contains chromium or zinc the cooling tower blowdown and cooling tower emergency overflow shall be monitored for these constituents once/week when discharge occurs by composite sample. The discharge of one hundred twenty-four priority pollutants (40 CFR 423 (Appendix A)) in cooling tower blowdown is prohibited if the pollutants come from cooling tower maintenance chemicals.

SPECIAL CONDITION 14. Any debris from the trash rack or intake screens shall not be returned to the river but shall be properly disposed of.

SPECIAL CONDITION 15. 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 16. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 17. The Permittee shall monitor the effluent from Outfalls 003 and 004 for the following parameters on a 2/year basis. 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 on the DMR's to IEPA. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

STORET CODE	PARAMETER	Minimum reporting limit
10197	Antimony	5.0 ug/L
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 (weak acid dissociable) (grab)	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
01067	Nickel	0.005 mg/L
32730	Phenols (grab)	0.005 mg/L

NPDES Permit No. IL0000116

Special Conditions

01147	Selenium	0.005 mg/L
01077	Silver (total)	0.003 mg/L
10159	Thallium	5.0 ug/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 18. Outfalls 003 and 004 interim effluent limitations and monitoring requirements apply only during times of cleanout activity in either the fly ash pond or bottom ash pond when all flow previously directed to one pond is diverted to the other pond with final discharge via that outfall.

Prior to commencement of cleanout activities, the permittee shall submit a letter to the Agency stating the anticipated start and completion dates for the project. The interim limitations and monitoring requirements listed on page 4 will be applicable only during these dates. If the start or completion dates change, the permittee shall inform the Agency by letter, and state revised date(s). The above mentioned letters shall be submitted to the Agency at the address listed in Special Condition 16, Attention: Compliance Assurance Section and Permit Section. A copy of the letter shall also be sent to the Springfield Regional Office.