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Public Notice of Draft Permit

Public Notice Number JML:19011601.docx is hereby given by Illinois EPA, Division of Water Pollution Control, Permit Section, 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 IL0001970 has been prepared under 40 CFR 124.6(d) for Illinois Power Resources Generating, LLC, E.D. Edwards Power Plant, P.O. Box 66149, M.C. 602, St. Louis, MO 63166 for discharge into the Illinois River from the Illinois Power Resources Generating, LLC., E.D. Edwards Power Plant, 7800 South CILCO Road, Bartonville Illinois 61607, (Peoria County). The applicant operates the E.D. Edwards Station which is an existing 750 MW coal fired steam electric generating station. The station discharges Once-Through Condenser Cooling Water, Ash Pond Effluent, Boiler Blowdown, Intake Screen Backwash, and Stormwater Runoff to the Illinois River.

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

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

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

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

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NPDES Permit No. IL0001970
Notice No. JML:19011601.docx

Public Notice Beginning Date: **March 6, 2019**

Public Notice Ending Date: **April 5, 2019**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Modified NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet issued By:

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

Name and Address of Discharger:

Illinois Power Generating, LLC
1500 Eastport Plaza Drive
Collinsville, Illinois 62234-6135

Name and Address of Facility:

Illinois Power Resources Generating, LLC
E.D. Edwards Power Plant
7800 South CILCO Road
Bartonville, Illinois 61607
(Peoria 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 Jenny Larsen at 217/782-0610.

The applicant is engaged in generation of electricity by coal-fired steam turbines (SIC 4911). Waste water is generated from ash pond discharge, chemical metal cleaning waste, condenser cooling water, boiler blowdown, intake screen backwash, water treatment wastewater, boiler and turbine room sumps, coal pile runoff, and stormwater. Plant operation results in an average discharge of 5.24 MGD of Ash Pond Discharge from outfall 001, 351 MGD of condenser cooling water from outfall 002, 0.03 MGD of boiler blowdown from outfall B02, 0.05 MGD of intake screen backwash from outfall 003, and an intermittent discharge of stormwater from outfall 004.

The following modification is proposed:

The date for reaching compliance with the final effluent limitations at Outfall 002 in Special Condition 4.1 was changed from forty-eight months to fifty-four months. The change was made due to an extension request from Illinois Power Resources Generating, LLC in order to further develop computer software models used to predict the location of the edge of the regulatory mixing zone.

Application is made for existing discharge(s) which are located in Peoria 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	40°35'28"	North	89°39'38"	West	General Use	Not Rated
002	Illinois River	40°35'38"	North	89°39'40"	West	General Use	Not Rated
B02	Illinois River	40°35'38"	North	89°39'40"	West	General Use	Not Rated
003	Illinois River	40°35'42"	North	89°39'40"	West	General Use	Not Rated
004	Illinois River	40°35'52"	North	89°40'04"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the map on last page.

The stream segment (IL_D_05) receiving the discharge from outfalls 001, 002, 003, and 004 is on the draft 2016 Integrated Water Quality Report and 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

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

Potential Causes	Impairment
Fecal Coliform	Primary Contact
PCB's	Fish Consumption
Mercury	Fish Consumption

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The discharge(s) from the facility shall be monitored and limited at all times as follows:							Public Noticed
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION	
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM		
Outfall 001: Ash Pond Discharge							
Flow				Measure			
pH	Shall be in the range of 6.0 - 9.0 S.U.						35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124	
Oil & Grease				15	20	40 CFR 423	
Outfall 002: Condenser Cooling Water							
Flow				Measure			
Total Residual Chlorine					0.05	40 CFR 125.3	
Temperature				Standard		35 IAC 302.211	
Outfall B02: Boiler Blowdown							
Flow				Measure			
pH	Shall be in the range of 6.0 - 9.0 S.U.						35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124	
Oil & Grease				15	20	40 CFR 423	
Outfall 003: Intake Screen Backwash During maintenance of trash rack or intake screen any debris collected during such maintenance shall not be returned to the river, but shall be properly disposed.							
Outfall 004: Stormwater See Storm Water Pollution Prevention Plan.							

The following explain the conditions of the proposed permit:

Special Conditions are used to clarify discharge monitoring and reporting requirements. Special conditions will explain temperature monitoring requirements and limits. To demonstrate the facility is currently in compliance with thermal limitations the permittee will be required to demonstrate thermal limits will be met at end of mixing zone by direct monitoring in the receiving stream or utilize an approved thermal program model to predict the end of thermal mixing zone temperature based on the end of pipe temperature monitoring. Upon issuance of the permit the applicant will be allowed a six month evaluation period to determine which method of thermal monitoring it will utilize and a three month period to introduce an alternative method.

A special condition will outline the Storm Water Pollution Prevention Plan requirements.

The facility conducted an thermal demonstration pursuant to 35 Ill. Adm. Code 302.211(f) and this was approved by the Illinois Pollution Control Board in PCB Order 80-90 dated February 19, 1981.

The facility conducted a demonstration pursuant to Section 316(b) of the CWA which was determined to meet Best Technology Available (BTA) at the time of the demonstration, and was approved by the Agency on 4, 1981. Special Condition 17 recognizes the submittal of updated cooling water intake structure operational information. This submittal is currently under review so that the Agency can evaluate the potential impacts of the cooling water intake structure operations pursuant to 40 CFR 125.90(b).

