

NPDES Permit No. IL0048143  
Notice No. JAR:15052901

Public Notice Beginning Date: **July 17, 2015**  
Public Notice Ending Date: **August 17, 2015**

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:

Midwest Generation, LLC  
529 E. 135<sup>th</sup> Street  
Romeoville, IL 60446

Name and Address of Facility:

Collins Generating Station  
4200 Pine Bluff Road  
Morris, Illinois 60450  
(Grundy 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 commentator 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 Jaime Rabins at 217/782-0610.

The applicant is engaged in decommissioning a former oil/gas fired steam electric generating station (former SIC 4911). The station was closed in 2006 and many of the buildings and structures have been demolished. The make-up water pump house and the waste water treatment plant remain on-site in operating condition. Waste water is generated from blowing down the 1,990 acre man-made cooling pond referred to as Heidecke Lake usually following large storm events. Wastewater is also generated from treating stormwater which collects in the oil storage area runoff retention pond and backwashing the Illinois River intake screens located at the make-up water pump house. The pump-house remains in service to maintain the level in Heidecke Lake which is shallow and subject to evaporative losses in the summer months.

Plant operation results in an average discharge of 63 MGD of cooling pond blowdown at Outfall 001, an average discharge of 0.43 MGD of stormwater from the oil storage area retention pond from outfall B01 and an intermittent discharge of Illinois River water intake screen backwash from outfall 002. All discharges occur on an intermittent basis.

Stormwater which collects in the oil storage area runoff retention pond is treated in the miscellaneous wastewater treatment system which consists of a premix tank followed by a mix tank, flow then enters one of two clarifiers (66,000 gallon each) and is discharged to the cooling pond via a waterfall outfall B01.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Illinois River	41° 22' 56"	North	88° 19' 42"	West	General Use	None
002	Illinois River	41° 21' 55"	North	88° 22' 18"	West	General Use	None

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

The waterbody segment D-10 receiving the discharge from outfall(s) 001 and 002 is on the draft 2014 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating or been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

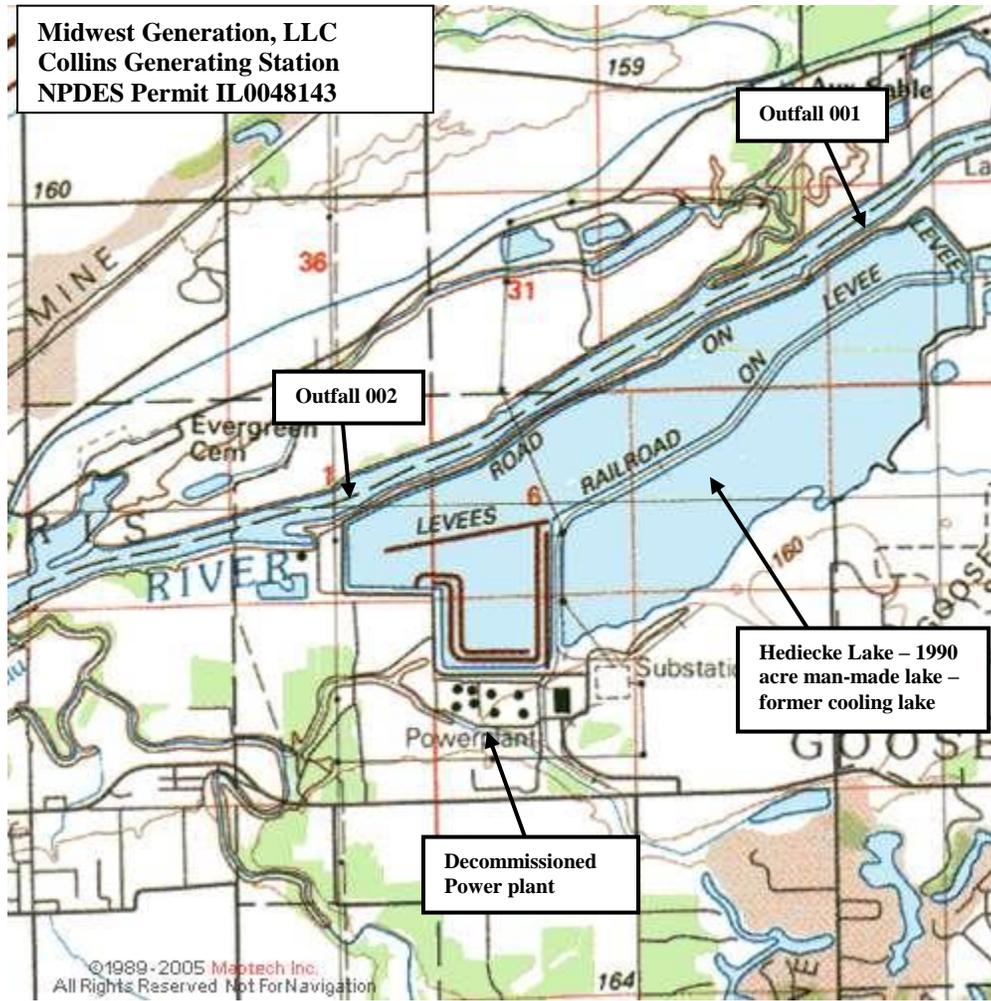
Designated Uses	Pollutants Causing Impairment
Impaired for Fish Consumption Use	Mercury and Polychlorinated Biphenyls (PCBs)

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

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 Cooling Pond Blowdown (DAF = 63 MGD)						
Flow (MGD)						35 IAC 309.146
Outfall: B01 Miscellaneous Wastewater Treatment System (DAF = 0.43 MGD)						
Flow (MGD)						35 IAC 309.146
pH						35 IAC 304.124
Total Suspended Solids				15	30	35 IAC 304.124
Oil & Grease				15	20	40 CFR122.44(L)
Outfall: 002 Illinois River Water Intake Screen Backwash (Intermittent Discharge)						
There shall be no discharge of collected debris from the river water intake screen backwash.						

The following explain the conditions of the proposed permit:

The NPDES permit requires that there shall be no discharge of polychlorinated biphenyls (PCB's). These facilities have treatment prior to discharge and will be required to be operated by a Certified Class K operator. The bypass and upset provisions of 40 CFR 122.41(m) and (n) are applicable to the permit. The effluent limitations constitute BAT/BCT for stormwater treated in the existing treatment facilities (Outfall 001), and no Pollution Prevention Plan is required for that stormwater.



NPDES Permit No. IL0048143

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:

Midwest Generation, LLC  
529 E. 135<sup>th</sup> Street  
Romeoville, IL 60446

Facility Name and Address:

Collins Generating Station  
4200 Pine Bluff Road  
Morris, Illinois 60450  
(Grundy County)

Discharge Number and Name:

001 Cooling Pond Blowdown

B01 Miscellaneous Wastewater Treatment System

002 Illinois River Water Intake Screen Backwash

Receiving Waters:

Illinois River

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:JAR:15052901

NPDES Permit No. IL0048143

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:

Outfall(s): 001 Cooling Pond Blowdown (DAF = 63 MGD)

Approximate Flow:

Miscellaneous Wastewater Treatment System

0.061 MGD

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)*					Daily	24 Hour Total*

\*Report the daily maximum flow, daily minimum flow, monthly average flow and the number of days per month discharge occurs.

NPDES Permit No. IL0048143

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:

Outfall(s): B01 Miscellaneous Wastewater Treatment System (DAF = 0.43 MGD)

The discharge consist of:

Approximate Flow:

Oil Storage Area Runoff Retention Pond Discharge

0.43 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)	See Special Condition 1				Daily	Continuous
pH	See Special Condition 2				1/Month	Grab
Total Suspended Solids			15	30	1/Month	Grab
Oil and Grease			15	20	1/Month	Grab

NPDES Permit No. IL0048143

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:

Outfall(s): 002 Illinois River Water Intake Screen Backwash (Intermittent Discharge)

There shall be no discharge of collected debris from the river water intake screen backwash.

Special Conditions

SPECIAL CONDITION 1. Flow shall be reported as a monthly average and daily maximum.

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. There shall be no discharge of polychlorinated biphenyl compounds (PCB's).

SPECIAL CONDITION 5. In the event the permittee shall require the use of additives other than those previously approved by this Agency, or in the event the permittee increases the feed rate or quantity of the additives used beyond what has previously been approved by this Agency, the permittee shall notify this Agency in writing in accordance with the Standard Conditions, Attachment H.

SPECIAL CONDITION 6. 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 (NetDMR) 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 28<sup>th</sup> day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMR 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 7. The provisions of 40 CFR 122.41(m) and (n) are applicable to this permit.

SPECIAL CONDITION 8. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 9. 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 10. The Agency has determined that the effluent limitations for outfall 001 in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit issuance, 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 the existing treatment facility (Outfall 001) 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 upon request.