NPDES Permit No. IL0002178
Notice No. JAR:06082801.bah

Public Notice Beginning Date: **May 18, 2011**

Public Notice Ending Date: **June 17, 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:

Midwest Generation, LLC
235 Remington Blvd., Suite A
Bolingbrook, Illinois 60440

Name and Address of Facility:

Midwest Generation, LLC
Fisk Generating Station
1111 West Cermak Road
Chicago, Illinois 60608
(Cook 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 Jaime Rabins at 217/782-0610.

The applicant operates an existing 341 MW coal-fired steam electric generating facility (SIC 4911). Unit 19 is the only operational pulverized coal-fired wet bottom boiler providing steam to a turbine generator. Eight jet engine peaking units on-site are operational and can provide an additional 216 MW of electric power. Fisk Generating Station withdraws water from the South Branch of the Chicago River for once-through cooling of the main condensers. Chicago municipal water is used for plant service water. Plant operation results in an average discharge of 312 MGD of condenser cooling water and house service water from outfall 001, 0.026 MGD of demineralizer regenerant wastes or reverse osmosis reject from outfall A01, 0.032 MGD of unit 19 boiler drain from outfall C01, 0.31 MGD of wastewater treatment plant effluent from outfall 002, an intermittent discharge of metal cleaning wastes from outfall A02 and an intermittent discharge of coal pile runoff from outfall B02.

Discharges from outfall 002 are treated using oil/water separation, neutralization or equalization, chemical precipitation, coagulation, flocculation and sedimentation. Sludge generated from wastewater treatment is landfilled. No treatment is provided to the discharges from outfalls 001, A01, C01 or A02.

The following modifications are proposed:

1. Reverse osmosis reject has been added to this permit as an authorized discharge from outfall A01. A reverse osmosis system is proposed to replace the current demineralizer system.
2. The condenser cooling water flow rate listed at outfall 001 will increase from 239.4 to 312 MGD. This is not due to an increase in discharge volume but to more accurately portray the current discharge conditions. No additional heat load is being authorized by this permit and the maximum pumping capacity for circulating water for unit #19 remains at 305 MGD. Therefore an anti-degradation assessment is not required per 35 IAC 302.105.

3. The existing discharge of metal cleaning wastes will be regulated by newly designated internal outfall A02 because it is a regulated wastestream in the Steam Electric Effluent Guideline and BPT/BAT limits must be met prior to dilution with other wastestreams.
4. Chemical metal cleaning wastes have been added to this permit as an authorized discharge. They are included as part of metal cleaning wastes per 40 CFR 423.11(d).
5. Chlorination will be allowed at other waste streams in addition to once through cooling water.
6. Internal monitoring point B01 has been removed from the permit. The discharge of intake screen backwash will continue to be authorized from outfall 001.
7. The discharger address was changed.
8. A real-time temperature monitoring telemetry system is proposed to be installed on the bank of the Chicago Sanitary and Ship Canal approximately 4450 feet downstream of Fisk Station's discharge canal to demonstrate compliance with the temperature standards of 35 IAC 302.408. A six month compliance schedule is proposed to allow for the identification and procurement of property, installation, and start-up of the in-stream monitoring equipment.

Application is made for existing discharge(s) which are located in Cook 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	South Branch Chicago River	41° 50' 55"	North	87° 39' 19"	West	Secondary Contact	D
002	South Branch Chicago River	41° 50' 54"	North	87° 39' 13"	West	Secondary Contact	D

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

The stream segment HC-01 receiving the discharge from outfalls 001 and 002 is listed as impaired on the draft 2010 303 (d) List. The impaired designated use and potential cause of impairment is listed below:

Impaired Designated Use		Potential Cause
Fish Consumption		Polychlorinated Biphenyls (PCB's)

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

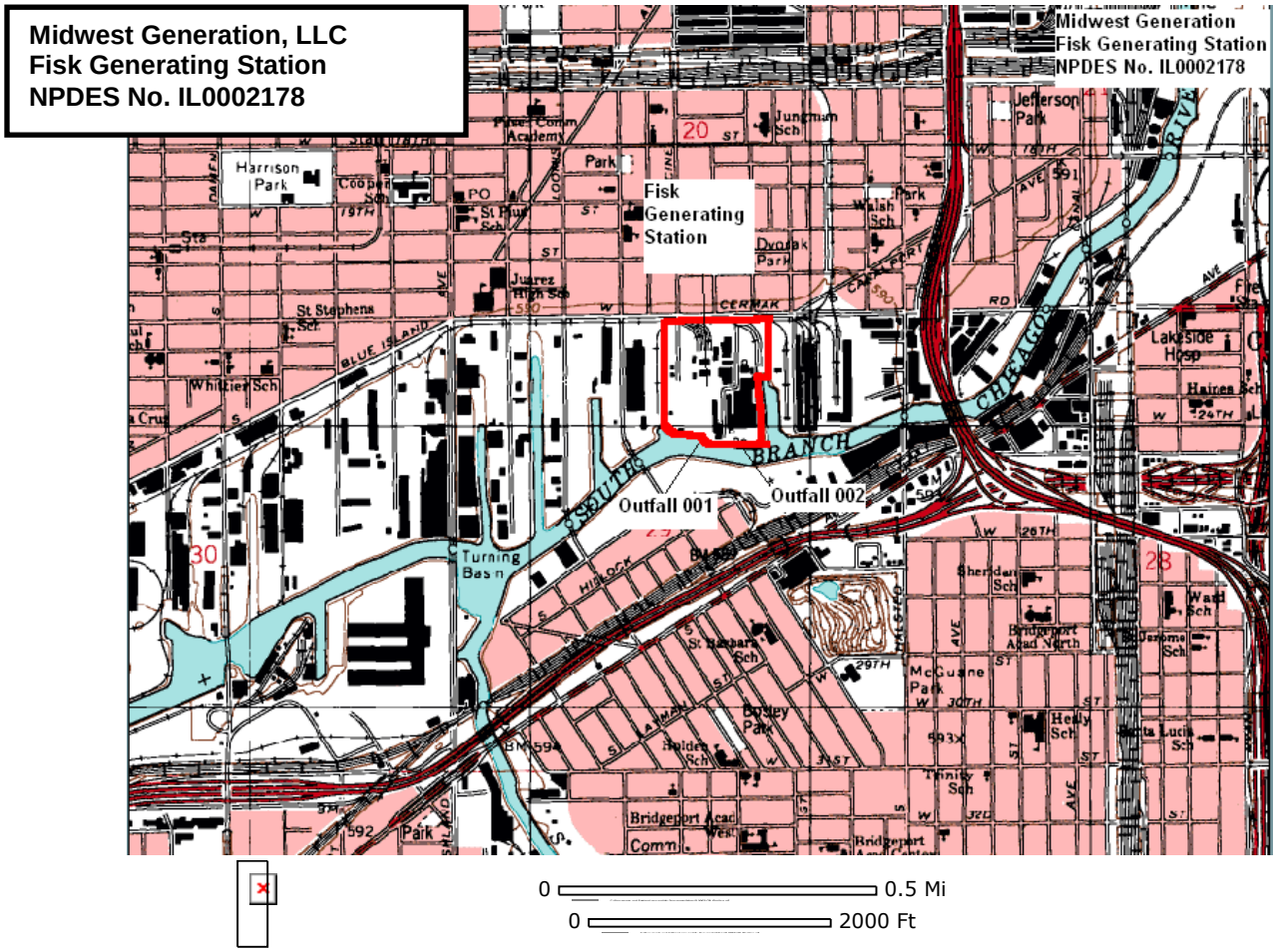
	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Outfall: 001 Condenser Cooling Water and House Service Water (DAF = 312 MGD)						
Flow (MGD)						
pH		Shall be in the range of 6.0 – 9.0 standard units				35 IAC 304.125
Temperature						35 IAC 302.408 & PCB Order AS 96-10
Total Residual Chlorine					0.05	35 IAC 302.410
Dissolved Oxygen				Monitor Only		35 IAC 309.146
Outfall: A01 Demineralizer Regenerant Wastes or Reverse Osmosis Reject (DAF = 1.50 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12(b)(3)
Outfall: C01 Unit 19 Boiler Drain (DAF = 0.002 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12(b)(3)
Outfall: 002 Wastewater Treatment Plant Effluent (DAF = 0.38 MGD)						
Flow (MGD)						
pH		Shall be in the range of 6.0 – 9.0 standard units				40 CFR 423.12(b)(1)
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12
Total Residual Chlorine					0.05	35 IAC 302.410

	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 Metal Cleaning Wastes (with or without chemicals) (Intermittent Discharge)						
Flow (MGD)						
Total Suspended Solids				30	100	40 CFR 423.12(b)(5)
Oil and Grease				15	20	40 CFR 423.12(b)(5)
Iron				1.0	1.0	40 CFR 423.12(b)(5)
Copper				0.5	1.0	35 IAC 304.124

The following explain the conditions of the proposed permit:

On March 16, 2000 the Illinois Pollution Control Board amended its October 3, 1996 order AS 96-10 and granted Midwest Generation an adjusted standard from 35 Ill. Adm. Code 302.211(d) and (e) for the Joliet, Will County, Crawford, and Fisk generating stations. The alternate thermal standards apply at the I-55 Bridge as limitations for discharges from the above listed generating stations. The standards may be exceeded by no more than 3 degrees Fahrenheit during 2% of the hours in the 12-month period ending December 31, except at no time shall Midwest's generating stations cause the water temperature at the I-55 Bridge to exceed 93 degrees Fahrenheit. Midwest's generating stations continue to be subject to the Secondary Contact Standards at the point of discharge. Fisk station is granted a mixing zone for thermal discharges in accordance with 35 IAC 302.102. The Secondary Contact Standards for temperature must be met at every point outside of the mixing zone. The edge of the mixing zone is located approximately 4450 feet downstream of Fisk Station's discharge canal which is the proposed downstream monitoring point.

The special conditions clarify the following: flow, pH, temperature, total residual chlorine, polychlorinated biphenyls, discharge monitoring reports, intake screen backwash discharges, monitoring location, bypass and upset provisions, operator requirements, dissolved oxygen, semi-annual sampling requirements and compliance schedule for temperature.


Midwest Generation, LLC
Fisk Generating Station
NPDES No. IL0002178
Midwest Generation
Fisk Generating Station
NPDES No. IL0002178
Fisk Generating Station
Outfall 001
Outfall 002
Harrison Park
Jefferson Park
Lakeside Hosp
Turning Basin
Bridgeport Comm
0
0.5 Mi
0
2000 Ft

Public Notice of Draft Permit

Public Notice Number JAR:06082801.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 IL0002178 has been prepared under 40 CFR 124.6(d) for Midwest Generation, LLC, 235 Remington Blvd., Suite A, Chicago, Illinois 60440 for discharge into South Branch Chicago River from the Midwest Generation, LLC, Fisk Generating Station, 1111 West Cermak Road, Chicago, Illinois 60608 (Cook County). Fisk Generating Station is an existing 341 MW coal-fired steam electric generating facility. Unit 19 is the only operational pulverized coal-fired wet bottom boiler providing steam to a turbine generator. Eight jet engine peaking units on-site are operational and can provide an additional 216 MW of electric power. Fisk Generating Station withdraws water from the South Branch of the Chicago River for once-through cooling of the main condensers. Chicago municipal water is used for plant service water. Approximately 312 MGD of condenser cooling water, house service water, demineralizer regenerant waste or reverse osmosis reject, intake screen backwash and unit 19 boiler drain are discharged through outfall 001 to the South Branch of the Chicago River, and 0.38 MGD of stormwater exposed to industrial activity, building sumps, equipment cleaning wastewater and ash sluice blowdown is treated prior to being discharged to the South Branch of the Chicago River through outfall 002.

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.

SAK:JAR:06082801.bah

NPDES Permit No. IL0002178

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
235 Remington Blvd., Suite A
Bolingbrook, Illinois 60440

Facility Name and Address:
Midwest Generation, LLC
Fisk Generating Station
1111 West Cermak Road
Chicago, Illinois 60608
(Cook County)

Discharge Number and Name:

001	Condenser Cooling Water and House Service Water
A01	Makeup Plant Wastewater
C01	Unit 19 Boiler Drain
002	Wastewater Treatment Plant Effluent
A02	Metal Cleaning Wastes
B02	Coal Pile Runoff

Receiving Waters:
South Branch Chicago 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:06082801.bah

NPDES Permit No. IL0002178

Effluent Limitations and Monitoring

	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

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 Condenser Cooling Water and House Service Water (DAF = 312 MGD)

This Discharge consists of					
1. Condenser Cooling Water 2. House Service Water 3. Demineralizer Regenerant Wastes or Reverse Osmosis Wastewater 4. Intake Screen Backwash 5. Unit 19 Boiler Drain					
Flow	See Special Condition 1			Daily	Continuous
pH	See Special Condition 2			Week	Grab
Temperature	See Special Condition 3			Daily	Continuous
Total Residual Chlorine	See Special Condition 4			*	Grab
Dissolved Oxygen				1/Week	Grab

*Total Residual Chlorine shall be sampled whenever chlorination or biocide addition is being performed or residuals are likely to be present in the discharge. If chlorination and biocide addition are not used during the month it shall be so indicated on the DMR.

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Effluent Limitations and Monitoring

	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

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 Demineralizer Regenerant Wastes or Reverse Osmosis Wastewater (DAF = 0.026 MGD)

Flow	See Special Condition 1				Daily	Continuous
Total Suspended Solids			15	30	1/Month	Composite
Oil and Grease			15	20	1/Year	Grab

NPDES Permit No. IL0002178

Effluent Limitations and Monitoring

	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

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): C01 Unit 19 Boiler Drain (DAF = 0.002 MGD)

Flow	See Special Condition 1				Daily	Continuous
Total Suspended Solids			15	30	1/Month	Grab
Oil and Grease			15	20	1/Year	Grab

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Effluent Limitations and Monitoring

	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

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 Wastewater Treatment Plant Effluent (DAF = 0.31 MGD)

This discharge consists of:	Approximate Flow
1. Demineralizer sand filter backwash	0.023 MGD
2. Unit 19 boiler blowdown	0.028 MGD
3. Unit 19 boiler drain alternate routing	Intermittent
4. Unit 19 floor drains	Intermittent
5. Unit 19 condenser pit sump	Intermittent
6. Ash sluice system blowdown	0.144 MGD
7. Metal cleaning wastes (with or without chemicals)	Intermittent
8. Boiler bearing cooling water	Intermittent
9. Process wastewater and building drain sumps consisting of:	0.421 MGD
a. Jet peaker area sump	
b. 25 cycle switch house sumps No. 1, 2 and 3	
c. Reactor basement sump No. 1	
d. Frequency house sumps No. 1 and 2	
e. Pump house sump	
f. Turbine laydown basement sumps No. 1, 2 and 3	
g. South 60 cycle switch house sumps No. 1 and 2	
h. Shop building sumps No. 1 and 2	
I. No. 5 oil room sump	
j. Car dumper basement sump	
10. Station area runoff consisting of:	Intermittent
a. West area runoff sump	
b. Ash pile runoff sump	
c. East area runoff sump	
d. Parking lot runoff sump	
e. East roadway runoff sump	
f. Unit 18 and 19 roof drains	
g. Equalization basin and overflow storage tank discharge	

Flow	See Special Condition 1			Daily	Continuous
pH	See Special Condition 2			1/Week	Grab
Total Suspended Solids		15	30	1/Week	24 Hour Composite
Oil and Grease		15	20	1/Month	Grab
Total Residual Chlorine	See Special Condition 4		0.05	Daily when Chlorinating	Grab

NPDES Permit No. IL0002178

Effluent Limitations and Monitoring

	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

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): A02 Metal Cleaning Wastes (with or without chemicals) (Intermittent Discharge)

Flow	See Special Condition 1				Daily	Continuous
Total Suspended Solids			30	100	Daily	Grab
Oil and Grease			15	20	Daily	Grab
Iron			1.0	1.0	Daily	24 Hour Composite
Copper			0.5	1.0	Daily	24 Hour Composite

Sampling is only required when discharging.

Special Conditions

SPECIAL CONDITION 1. Flow shall be reported as a daily maximum and monthly average. In the event that no discharge occurs during a given month, a statement of "No discharge" shall be reported on the DMR submitted for that month.

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. Pursuant to Illinois Pollution Control Board Order AS 96-10, dated October 3, 1996 and amended March 16, 2000 the facility shall comply with the following temperature limitations:

A. At the point of discharge the receiving waters are designated as Secondary Contact and Indigenous Aquatic Life Waters by Section 302.408, Illinois Administration Code, Title 35, Chapter 1, Subtitle C, as amended. In the Chicago Sanitary and Ship Canal at the downstream monitoring point, located approximately 4450 feet downstream of the Fisk Station discharge canal, temperatures shall not exceed 93°F (34°C) more than 5% of the time, or 100°F (37.8°C) at any time.

B. In the main channel of the Lower Des Plaines River, at the I-55 Bridge, the effluent shall not alone or in combination with other sources cause temperatures to exceed the temperatures set forth in the following table, except in accordance with the allowable monthly excursions detailed below:

	Jan	Feb	Mar	Apr 1-15	Apr 16-30	May 1-15	May 16-31	June 1-15	June 16-30	July	Aug	Sept	Oct	Nov	Dec
°F	60	60	65	73	80	85	90	90	91	91	91	90	85	75	65

These standards are in lieu of the requirements of 35 Ill. Adm. Code 302.211(d) and (e) and may be exceeded by no more than 3°F during 2% of the hours in the 12-month period ending December 31, except that at no time shall Midwest Generation's plants cause the water temperature at the I-55 Bridge to exceed 93°F.

C. When it appears that discharges from Outfall 001 have the reasonable potential to cause either the water temperatures at the downstream monitoring point to exceed the values set forth in Part (A) and/or the main channel of the Lower Des Plaines River at the I-55 Bridge to exceed the values set forth in Part (B), the permittee shall determine whether, and the extent to which, station operations must be restricted to avoid violating the above-stated limits.

D. The permittee shall maintain and operate a water temperature monitor and a suitable back-up monitor at the downstream monitoring point. The permittee shall record Canal temperature at the downstream monitoring point at least once every 15 minutes, and shall report on the monthly discharge monitoring report (DMR) the monthly maximum temperature recorded and the cumulative number of excursion hours used, if any.

E. Failure to submit the temperature monitoring data from the downstream monitoring point due to equipment malfunction shall not be deemed a permit violation provided reasonable efforts were employed to repair the malfunction. If the malfunction lasts more than 24 hours, a manual measurement of Canal temperature shall be made at least once per day.

F. The monthly maximum temperature at the downstream monitoring point and the cumulative number of hours in which temperatures at the downstream monitoring point exceed 93°F (34°C) shall be reported on the DMR.

SPECIAL CONDITION 4. All samples for total residual chlorine (TRC) 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 5. Adequate maintenance of the intake screen system is required to prevent the discharge of floating debris collected on intake screens back to the canal, which does not include living fish or other living aquatic organisms.

SPECIAL CONDITION 6. There shall be no discharge of polychlorinated biphenyl compounds.

SPECIAL CONDITION 7. The bypass provisions of 40 CFR 122.41(m) and upset provisions of 40 CFR 122.41(n) are hereby incorporated by reference.

SPECIAL CONDITION 8. The Agency may modify this permit during its term to incorporate biomonitoring requirements and additional limitations or requirements based on the biomonitoring results. Modifications under this condition shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 9. The Agency has determined that the effluent limitations for outfall 002 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 10. 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 11. 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 12. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each Month.

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

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

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

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

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

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 13. In order for the Agency to evaluate the potential impacts of cooling water intake structure operation pursuant to 40 CFR 125.90(b), the permittee shall prepare and submit information to the Agency outlining current intake structure conditions at this facility, including a detailed description of the current intake structure operation and design, description of any operational or structural modifications from original design parameters, source waterbody flow information, or other information as necessary. The information submitted should be in accordance with the previously submitted information collection proposal received by the Agency on June 30, 2005.

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

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

SPECIAL CONDITION 14. The use or operation of this facility shall be by or under the supervision of a Certified Class K Operator.

SPECIAL CONDITION 15. The Permittee shall monitor the effluent from outfalls 001 and 002 for the following parameters on a semi-annual 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 to the address in special condition 12 in June and December. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

NPDES Permit No. IL0002178

Special Conditions

STORET CODE	PARAMETER	Minimum reporting limit
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) (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
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.

SPECIAL CONDITION 16. The discharges identified on page 5 of this permit as ash sluice system blowdown and ash pile runoff sump shall be individually grab sampled on a semi-annual basis. The wastes shall be analyzed for mercury utilizing USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E. The minimum reporting limit shall be one part per trillion. This Permit may be modified with public notice to establish effluent limitations if appropriate, based on information obtained through sampling. The results shall be submitted to the address in special condition 12 in June and December.

SPECIAL CONDITION 17. A zone of initial dilution (ZID) is recognized for ammonia, with dimensions of 1.0 feet outward across the river from the outfall point and 1.0 feet downstream from this point. Within the ZID 11:1 dilution is afforded. A mixing zone is recognized with dimensions of 1.2 feet outward across the river from the outfall and 1.2 feet downstream from this point. Within the mixing zone 88:1 dilution is afforded.

SPECIAL CONDITION 18. A schedule of compliance is granted for the thermal standards of 35 IAC 302.408 to allow for the identification and procurement of property, installation, and start-up of the in-stream monitoring equipment as proposed in the submittal dated March 30, 2011. Operational level and compliance must be obtained within six months of the issuance date of this permit.