NPDES Permit No. IL0002186
Notice No. JAR:06092603.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
Crawford Generating Station
3501 South Pulaski
Chicago, Illinois 60623
(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 is engaged in the operation of a steam electric generating station (SIC 4911). The station operates two pulverized coal-fired wet bottom boilers designated units #7 and #8 and are rated at 234 MW and 347 MW respectively. The peaking units have been removed. Crawford Generating Station withdraws water from the Chicago Sanitary and Ship Canal 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 466 MGD of condenser cooling water and house service water from outfall 001, 0.42 MGD of reverse osmosis reject from outfall A01, 0.036 MGD of unit #7 and #8 boiler blowdown and boiler drain from outfall B01, and 1.05 MGD of recirculating wastewater treatment system blowdown from outfall C01, an intermittent discharge of metal cleaning wastes from outfall E01, an intermittent discharge of coal pile runoff from outfall F01 and an intermittent discharge of area 14 runoff (boiler room area) from outfall G01.

The discharges from E01, F01 and G01 are tributary to outfall C01 are all treated using equalization, pH adjustment, chemical precipitation, coagulation, flocculation and sedimentation. Sludge generated during the treatment of wastewater is stored in lagoons and/or land applied. The discharges from outfalls 001, A01, B01 and G01 are not treated prior to discharge.

The following modifications are proposed:

1. Reverse osmosis reject will be discharged from outfall A01. The existing demineralizer system was replaced with a reverse osmosis system.

2. The condenser cooling water discharge at outfall 001 will increase 100 MGD to 466 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 units #7 and #8 will remain at 550 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 E01 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 D01 has been removed from the permit. The discharge of intake screen backwash will continue to be authorized from outfall 001.
7. The existing discharge of coal pile runoff will be regulated by newly designated internal outfall F01 because it is a regulated wastestream in the Steam Electric Effluent Guideline and BPT limits must be met prior to dilution with other wastestreams.
8. Outfall 002 was redesignated outfall G01. The outfall was not a separate point source and is in fact tributary to outfall 001.
9. The discharger address was changed.
10. A real-time temperature monitoring telemetry system is proposed to be installed on the bank of the Chicago Sanitary and Ship Canal approximately 3750 to 4460 feet downstream of Crawford 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	Chicago Sanitary and Ship Canal	41° 49' 38"	North	87° 43' 25"	West	Secondary Contact	D

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

The stream segment GI-03 receiving the discharge from outfall 001 is listed as impaired on the 2006 and partially approved 2008 303 (d) Lists. The impaired designated uses and potential causes of impairment are as follows:

Impaired Designated Use		Potential Cause
Aquatic Life		Ammonia (unionized), Phosphorus (total), and Dissolved Oxygen (non-pollutant).
Fish Consumption		Polychlorinated Biphenyls (PCB's)

The partially approved 2008 list is identical except that mercury has been added as a potential cause for the fish consumption use.

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

Outfall: 001 Condenser Cooling Water and House Service Water (DAF = 466 MGD)

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
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						35 IAC 309.146
Outfall: A01 Reverse Osmosis Reject (DAF = 0.42 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12

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

Outfall: B01 Unit #7 and #8 Boiler Blowdown and Boiler Drain (DAF = 0.036)

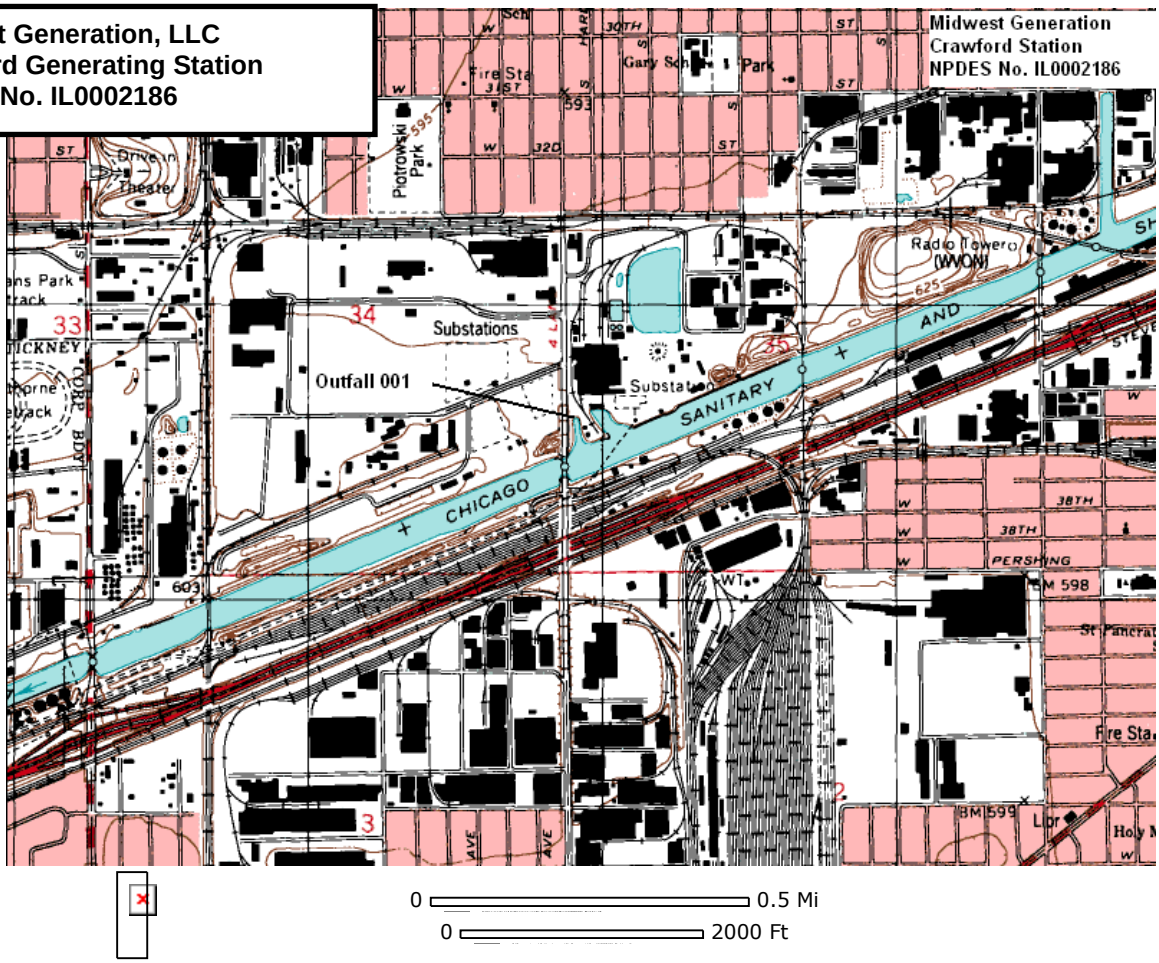
	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12
Outfall: C01 Recirculating Wastewater Treatment System Blowdown (DAF = 1.05 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.12
Outfall: E01 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
Outfall: F01 Coal Pile Runoff (Intermittent Discharge)						
Flow (MGD)						
Total Suspended Solids					50	40 CFR 423.12(b)(9)
Outfall: G01 Area 14 Runoff (Boiler Room Area) (Intermittent Discharge)						
SWPPP						40 CFR 122.26(b)(14)(vii)

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. Crawford 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 3750 to 4460 feet downstream of Crawford 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 metals sampling and stormwater pollution prevention plan requirements.

Midwest Generation, LLC
Crawford Generating Station
NPDES No. IL0002186



Public Notice of Draft Permit

Public Notice Number JAR:06092603.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 IL0002186 has been prepared under 40 CFR 124.6(d) for Midwest Generation, LLC, 235 Remington Blvd., Suite A, Bolingbrook, Illinois 60440 for discharge into Chicago Sanitary and Ship Canal from the Crawford Generating Station located at 3501 South Pulaski in Chicago, Illinois 60603 (Cook County). The facility is a fossil fueled steam electric generating facility. Operational units include pulverized coal-fired wet bottom boiler units #7 and #8 rated at 234 MW and 347 MW respectively. Crawford Generating Station withdraws water from the Chicago Sanitary and Ship Canal for once-through cooling of the main condensers. Chicago municipal water is used for plant service water. The facility discharges an average of 466 MGD of condenser cooling water, house service water, reverse osmosis reject, boiler blowdown, boiler drain, metal cleaning wastes, ash transport water, intake screen backwash and stormwater exposed to industrial activity to the Chicago Sanitary and Ship Canal.

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:06092603.bah

NPDES Permit No. IL0002186

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
Crawford Generating Station
3501 South Pulaski
Chicago, Illinois 60623

Discharge Number and Name:
001 Condenser Cooling Water and House Service Water
A01 Reverse Osmosis Reject
B01 Unit #7 and #8 Boiler Blowdown and Boiler Drain
C01 Recirculating Wastewater Treatment System Blowdown
E01 Metal Cleaning Wastes
F01 Coal Pile Runoff
G01 Area 14 Runoff

Receiving Waters:
Chicago Sanitary and Ship Canal

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:06092603.bah

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	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 = 466 MGD)						
This discharge consists of:						
1. Condenser Cooling Water						
2. House Service Water						
3. Reverse Osmosis Reject						
4. Unit #7 and #8 Boiler Blowdown and Boiler Drain						
5. Recirculating Wastewater Treatment System Blowdown						
6. Intake Screen Backwash						
7. Area 14 Runoff						
Flow (MGD)	See Special Condition 1				Daily	Continuous
pH	See Special Condition 2				1/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

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	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 Reverse Osmosis Reject (DAF = 0.42 MGD)						
Flow (MGD)	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

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	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): B01 Unit #7 and #8 Boiler Blowdown and Boiler Drain (DAF = 0.036)

This Discharge Consists of:					Approximate Flow	
1. Boiler Blowdown					0.036 MGD	
2. Boiler Drain					Intermittent	
Flow (MGD)	See Special Condition 1				Daily	Continuous
Total Suspended Solids			15	30	1/Month	Grab
Oil and Grease			15	20	1/Year	Grab

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	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 Recirculating Wastewater Treatment System Blowdown (DAF = 1.05 MGD)

This discharge consists of:	Approximate Flow
1. Ash sluice water	0.5 MGD
2. Ash hopper overflow	0.25 MGD
3. Coal pile runoff	Intermittent
4. Metal cleaning wastes	Intermittent
5. Boiler and turbine building floor drains	0.03 MGD
6. Fuel oil handling area runoff	Intermittent
7. Unit #7 air compressor cooling water	0.14 MGD
8. Coal storage area #2 runoff	Intermittent
9. Settling basin area #3 runoff	Intermittent
10. Ash pile area #18 runoff	Intermittent
11. Yard drainage area #15	Intermittent
12. Ash handling/Ash pile areas #16 and 18 runoff	Intermittent
13. South detention basin consisting of area runoff from:	Intermittent
a. Transmission terminal areas #5, 6 and 12	
b. Transformer area #7	
c. Oil storage areas #8 and 9	
d. Runoff from area #11	
e. Dock conveyor area #22	
14. Impounded stormwater from the dredged material disposal facility**	Intermittent

Flow (MGD)	See Special Condition 1			Daily	Continuous
Total Suspended Solids		15	30	1/Week	24-Hour Composite
Oil and Grease		15	20	1/Week	Grab

*The sampling frequency for total iron and total copper shall be daily during discharge of metal cleaning wastes. At all other times the sampling frequency shall be once per month.

**See Special Condition 16.

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day DAF (DMF) 30 DAY AVERAGE	LOAD LIMITS lbs/day DAF (DMF) DAILY MAXIMUM	CONCENTRATION LIMITS mg/l 30 DAY AVERAGE	CONCENTRATION LIMITS mg/l 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): E01 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.

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day DAF (DMF) 30 DAY AVERAGE	LOAD LIMITS lbs/day DAF (DMF) DAILY MAXIMUM	CONCENTRATION LIMITS mg/l 30 DAY AVERAGE	CONCENTRATION LIMITS mg/l 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): F01 Coal Pile Runoff (Intermittent Discharge)

Flow	See Special Condition 1			Daily	Continuous
Total Suspended Solids			50	Daily	Grab

Sampling is only required when discharging.

Any untreated overflow from facilities designed, constructed, and operated to treat the volume of coal pile runoff which is associated with a 10 year, 24 hour rainfall event is not subject to the above total suspended solids limitation.

Outfall: G01 Area 14 Runoff (Boiler Room Area) (Intermittent Discharge)

See Special Condition 19.

NPDES Permit No. IL0002186

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 value on the monthly 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. 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 3750 to 4460 feet downstream of the Crawford Station's 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 TRC shall be grab samples and 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. There shall be no discharge of polychlorinated biphenyl compounds.

SPECIAL CONDITION 6. 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 July 25, 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.

Special Conditions

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 7. 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 8 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 9. 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 10. The bypass provisions of 40 CFR 122.41(m) and upset provisions 40 CFR 122.41(n) are hereby incorporated by reference.

SPECIAL CONDITION 11. 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 12. 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 13. 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, except stormwater discharged from outfall E01. 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 14. In the event that the permittee shall require a change in the use of water treatment additives, the permittee must request a change in this permit in accordance with the Standard Conditions -- Attachment H.

SPECIAL CONDITION 15. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 16. Impounded stormwater from the dredged material disposal facility does not include water associated with dredging activities. Written approval must be obtained from the Agency prior to discharging any water associated with dredging activities.

Special Conditions

SPECIAL CONDITION 17. The Permittee shall monitor the effluent from outfall 001 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 10 in June and December. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

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 18. The discharges identified on page 5 of this permit as ash sluice system water, ash hopper overflow, coal pile runoff, coal storage area #2 runoff and ash handling/ash pile area #16 runoff 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 9 in June and December.

SPECIAL CONDITION 19.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

A. A storm water pollution prevention plan shall be maintained by the permittee for the storm water associated with industrial activity at this facility tributary to outfall G01. 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;

   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 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. 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 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 evapotranspirate 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 of quarterly visual observations are applicable to all outfalls covered by this condition.

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 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 thereunder, 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.

Special Conditions

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 thereunder.

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. 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.

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

V. The permittee shall notify any regulated small municipal separate storm sewer owner (MS4 Community) that they maintain coverage under an individual NPDES permit. The permittee shall submit any SWPPP or any annual inspection to the MS4 community upon request by the MS4 community.