NPDES Permit No. IL0002259
Notice No. JAR:11111401.ajo

Public Notice Beginning Date: **February 8, 2013**

Public Notice Ending Date: **March 11, 2013**

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
Waukegan Generating Station
401 East Greenwood Ave.
Waukegan, Illinois 60087
(Lake 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 operation of a steam electric generating station (SIC 4911). The station operates two coal fired boilers to supply steam to two generating units, designated units 7 and 8 with a combined nominal capacity of 742 MW. The station withdraws water from Lake Michigan for condenser cooling, house service water and boiler feed water. Wastewater is generated from once-through condenser cooling, conditioning boiler feed water, backwashing the condenser cooling water intake screens, non-chemical cleaning of plant equipment, ash handling, and precipitation which contacts the site.

Plant operation results in an average discharge of 768.62 MGD of condenser cooling water and house service water from outfall 001, an intermittent discharge of boiler blowdown from outfall A01, 0.151 MGD of demineralizer regenerant wastes from outfall B01, 8.13 MGD of wastewater treatment system effluent from outfall C01, 0.676 MGD of east yard basin overflow from outfall D01, an intermittent discharge of unit 7 demineralized water storage tank drain from outfall F03, and an intermittent discharge of non-chemical metal cleaning wastes from outfall G01.

In the Best Professional Judgment of the Agency, it must be assumed that the design of the cooling water intake structure met the equivalent of Best Technology Available at the time of its construction. The Agency currently has no information that would alter that finding. However, in order for the Agency to fully evaluate the potential impacts of cooling water intake structure operation, Special

Condition 7 was included requiring the submittal of additional information on the operation of the intake structure. The permit may be modified based on this information, with public notice and opportunity for comment.

While the permit does prohibit the discharge of PCBs, which is the best available technology economically achievable per 40 CFR 423.13(a), PCB monitoring is not being required due to the fact that the four PCB-containing transformers at the facility are each located inside a secured and covered building, constructed with its own secondary containment system, and located at least 1,000 feet from the nearest outdoor open water basin.

The following modifications are proposed:

1. The existing discharge of non-chemical metal cleaning wastes will be regulated by newly designated internal outfall G01 because it is a regulated wastestream in the Steam Electric Effluent Guideline and BPT limits must be met prior to dilution with other wastestreams.
2. The discharger address was changed.
3. Internal monitoring point E01 was removed as the demineralized water (off specification bypass) is actually tributary to internal monitoring point B01.
4. The outfall 001 sample point will be moved to the zebra mussel gate.

Application is made for the existing discharge which is located in Lake 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	Lake Michigan	42□ 23' 00"	North	87□ 48' 15"	West	Lake Michigan Basin	Not Rated

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

Segment QLM-01 receiving the discharge from outfall 001 is on the draft 2012 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
Fish Consumption	Mercury and Polychlorinated biphenyls (PCB's)

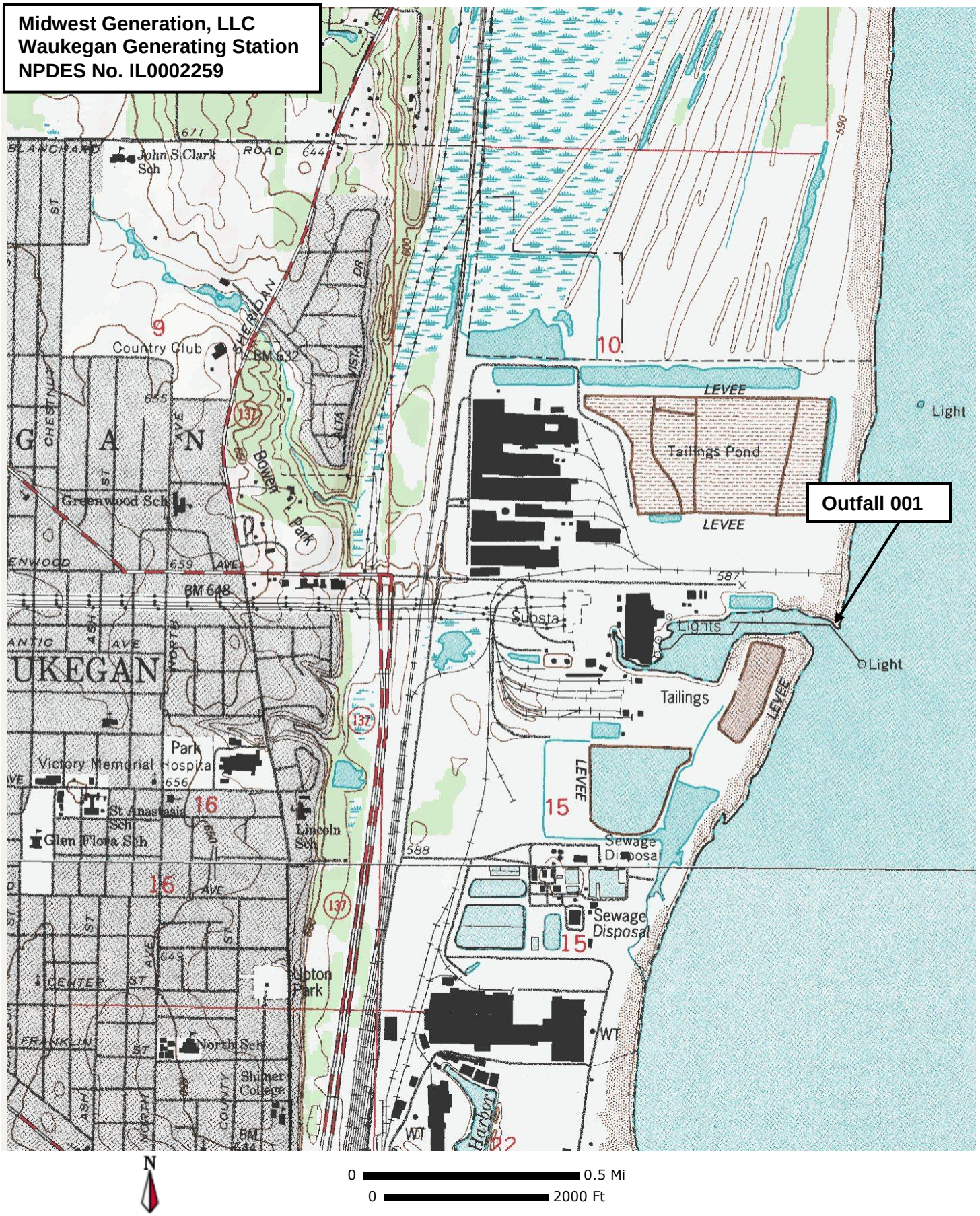
The discharge(s) from the facility shall be monitored and limited at all times as follows:

	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 = 768.62 MGD)						
Flow (MGD)						
pH						35 IAC 302.503
Total Residual Chlorine					0.05	40 CFR 125.3
Temperature						35 IAC 309.146
Mercury						35 IAC 309.146
Outfall A01: Boiler Blowdown (Intermittent Discharge)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40CFR423.12(b)(3)
Outfall B01: Demineralizer Regenerant Wastes (DAF = 0.151 MGD)						
Flow (MGD)						

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40CFR423.12(b)(3)
Outfall C01: Wastewater Treatment System (DAF = 8.13 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40CFR423.12(b)(3)
Outfall D01: East Yard Collection Basin Overflow (DAF = 0.676 MGD)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40CFR423.12(b)(3)
Outfall F01: Unit 7 Demineralized Water Storage Tank Drain(Intermittent Discharge)						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40CFR423.12(b)(3)
Outfall G01: Non-Chemical Metal Cleaning Wastes (Intermittent Discharge)						
Flow (MGD)						
Total Suspended Solids				30	100	40CFR423.12(b)(5)
Oil and Grease				15	20	40CFR423.12(b)(5)
Iron				1.0	1.0	40CFR423.12(b)(5)
Copper				1.0	1.0	40CFR423.12(b)(5)

The following explain the conditions of the proposed permit:

The special conditions clarify: flow reporting, pH, monitoring location, discharge monitoring reports, usage of water treatment additives, re-opening of the permit and temperature.


Midwest Generation, LLC
Waukegan Generating Station
NPDES No. IL0002259
Outfall 001
John S Clark Sch
Country Club
Greenwood Sch
Victory Memorial Hospital
St Anastasia Sch
Glen Flora Sch
Lincoln Sch
Upton Park
North Sch
Shimer College
Tailings Pond
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Public Notice of Draft Permit

Public Notice Number JAR:11111401.ajo 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 IL0002259 has been prepared under 40 CFR 124.6(d) for Midwest Generation, LLC for discharge into Lake Michigan from the Waukegan Generating Station, 401 East Greenwood Ave., Waukegan, Illinois 60087, (Lake County).

The station operates three coal fired boilers to supply steam to two generating units, designated units 7 and 8 with a combined nominal capacity of 742 MW. The station withdraws water from Lake Michigan for condenser cooling, house service water and boiler feed water. Wastewater is generated from once-through condenser cooling, conditioning boiler feed water, backwashing the condenser cooling water intake screens, non-chemical cleaning of plant equipment, ash handling, and precipitation which contacts the site.

Plant operation results in an average discharge of 768.62 MGD of condenser cooling water and house service water from outfall 001, 0.036 MGD of boiler blowdown from outfall A01, 0.151 MGD of demineralizer regenerant wastes from outfall B01, 8.13 MGD of wastewater treatment system effluent from outfall C01, 0.676 MGD of east yard basin overflow from outfall D01, an intermittent discharge of unit 7 demineralized water storage tank drain from outfall F03, and an intermittent discharge of non-chemical metal cleaning wastes from outfall G01.

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

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

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

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

NPDES Permit No. IL0002259

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, IL 60440

Facility Name and Address:

Midwest Generation, LLC
Waukegan Generating Station
401 East Greenwood Ave.
Waukegan, Illinois 60087
(Lake County)

Discharge Number and Name:

001 Condenser Cooling Water and House Service Water
A01 Boiler Blowdown
B01 Demineralizer Regenerant Wastes
C01 Wastewater Treatment System
D01 East Yard Collection Basin Overflow
F01 Unit 7 Demineralized Water Storage Tank Drain
G01 Non-Chemical Metal Cleaning Wastes

Receiving Waters:

Lake Michigan

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:11111401.ajo

NPDES Permit No. IL0002259

Effluent Limitations and Monitoring

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:

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall 001: Condenser Cooling Water and House Service Water (DAF = 768.62 MGD)						
This discharge consists of: 1. Condenser cooling water — 665 MGD 2. House service water — 29.7 MGD 3. Boiler blowdown — Intermittent 4. Demineralizer regenerant wastes — 0.151 MGD 5. Wastewater treatment system effluent — 8.13 MGD 6. East yard runoff basin overflow/discharge — 0.676 MGD 7. Demineralized water (storage tank drainage and steam relief) — Intermittent 8. Intake screen backwash — 0.172 MGD						
Flow (MGD)	See Special Condition 1				Daily	Continuous
pH	See Special Condition 2				Daily	Grab
Total Residual Chlorine	See Special Condition 3			0.05	*	Grab
Temperature	See Special Condition 4				Daily	Continuous
Mercury	See Special Condition 15		Monitoring Only		**	Grab

The monthly maximum temperature and the monthly maximum BTU's per hour shall be reported on the DMR.

*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.

**Mercury monitoring shall be conducted 1/month for the first 12 months, 1/quarter thereafter. If more than one sample is taken during the reporting period, the quarterly average shall be reported.

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall A01: Boiler Blowdown (Intermittent Discharge)						
The discharge consists of: 1. Boiler blowdown 2. Boiler drains				Approximate Flow 0.018 MGD 0.018 MGD		
Flow (MGD)	See Special Condition 1				1/Week When Discharging	Calculated 24-Hour Total
Total Suspended Solids			15	30	1/Week When Discharging	8-Hour Composite
Oil and Grease			15	20	1/Week When Discharging	Grab

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall B01: Demineralizer Regenerant Wastes (DAF = 0.151 MGD) The discharge consists of: Approximate Flow 1. Demineralizer regenerant wastes 0.151 MGD 2. Demineralized water (off specification bypass) Intermittent						
Flow (MGD)	See Special Condition 1				1/Week	24-Hour Total
Total Suspended Solids			15	30	1/Week	8-Hour Composite
Oil and Grease			15	20	1/Week	Grab

Total Suspended Solids and Oil and Grease sampling may obtained using a Grab Sample if the equalization tank is in service.

NPDES Permit No. IL0002259

Effluent Limitations and Monitoring

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall C01: Wastewater Treatment System (DAF = 8.13 MGD)						
This Discharge consists of:				Approximate Flow		
1. Ash transport water				1.6 MGD		
a. Bottom Ash Sluice				1.6 MGD		
b. Fly Ash Sluice				Intermittent		
2. Ash hopper overflow				Intermittent		
3. Coal pile runoff collection basin discharge				1.0 MGD		
a. Coal pile area runoff				0.5 MGD		
b. West yard area runoff				0.5 MGD		
I. West yard area runoff						
ii. Car dumper area runoff						
iii. Main switch yard area runoff						
iv. West yard polymer building drains						
v. Peaker sump discharges						
vi. West turbine area roof drains						
4. Non-chemical metal cleaning waste				Intermittent		
5. Supernatant from dredge spoil lagoons				Intermittent		
6. Main collection tank discharge				2.0 MGD		
a. Unit 8 low point sump (roof, floor, & equipment drains)				Intermittent		
b. Ash sluice head tank overflow				Intermittent		
c. Slag drain line				Intermittent		
d. Slag tank overflows				Intermittent		
e. Demineralizer filter backwash (alternate route)				Intermittent		
f. Floor drains (alternate route)				Intermittent		
Flow (MGD)	See Special Condition 1				Daily	Continuous
Total Suspended Solids			15	30	2/Month	24-Hour Composite
Oil and Grease			15	20	2/Month	Grab

See Special Condition 15 regarding mercury monitoring requirement.

NPDES Permit No. IL0002259

Effluent Limitations and Monitoring

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:

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall D01: East Yard Collection Basin Overflow (DAF = 0.676 MGD) This discharge consists of: 1. East yard area runoff 2. Units 1-4 roof and floor drainage 3. East yard polymer building drains 4. Demineralizer filter backwash 5. Laboratory sink drains 6. Units 5-8 roof and floor drains				Approximate Flow Intermittent Intermittent Intermittent 0.078 MGD Intermittent Intermittent		
Flow (MGD)	See Special Condition 1				1/Week	24-Hour Total
Total Suspended Solids			15	30	2/Month	24-Hour Composite
Oil and Grease			15	20	2/Month	Grab

NPDES Permit No. IL0002259

Effluent Limitations and Monitoring

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall F01: Unit 7 Demineralized Water Storage Tank Drain(Intermittent Discharge)						
Flow (MGD)	See Special Condition 1				1/Week When Discharging	Estimate
Total Suspended Solids			15	30	1/Week When Discharging	Grab
Oil and Grease			15	20	1/Week When Discharging	Grab

NPDES Permit No. IL0002259

Effluent Limitations and Monitoring

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	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l			
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Outfall G01: Non-Chemical Metal Cleaning Wastes (DAF = Intermittent Discharge)						
Flow (MGD)	See Special Condition 1				Daily When Discharging	Continuous
Total Suspended Solids			30	100	Daily When Discharging	24-Hour Composite
Oil and Grease			15	20	Daily When Discharging	Grab
Iron			1.0	1.0	Daily When Discharging	24-Hour Composite
Copper			1.0	1.0	Daily When Discharging	24-Hour Composite

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 7.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form. A compliance schedule for pH limits at outfall 001 will be granted for twelve months from the issuance date of the permit. A compliance report shall be submitted six months from the issuance date of this permit. In order to be granted the compliance schedule the discharger must file a construction permit application with the Agency for a wastewater treatment system that controls pH.

SPECIAL CONDITION 3. 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 4. Pursuant to Illinois Pollution Control Board Order 77-82, dated August 3, 1978 the discharge is limited to a heat rejection rate of 5301 million BTU's per hour in lieu of the standards of 35 Ill. Adm. Code 302.507. The Permittee's demonstration for the Waukegan Generating Station in accordance with Section 316(a) of the CWA was approved by the Illinois Pollution Control Board in Order PCB 78-72, -73 Consolidated dated September 21, 1978.

As a condition of the continuation of the facility's 316(a) thermal variance (PCB 72-73 Consolidated, dated September 21, 1978), the permittee shall conduct the following activities and studies:

1. Within six months of the permit issuance date:

    a. Complete a literature search for biological studies conducted in Lake Michigan in the general vicinity of the facility, including but not limited to, relevant biological monitoring data from state or federal agencies.
    b. Prepare a Representative Important Species (RIS) List, including an explanation of the rationale for selection of each species on the list; and
    c. Based on the results of the biological studies literature search and the RIS List, prepare a study plan for biological sampling and thermal monitoring, including as appropriate thermal modeling. The study plan shall be submitted to the Agency for approval prior to initiation. The study plan shall include the RIS List. The permittee shall also send a copy of the study plan and RIS List to the U.S. EPA Region 5 to provide it with an opportunity to review and comment on the study plan prior to commencement of the study.

2. Upon the Agency's approval of the study plan for biological and thermal monitoring, perform thermal plume surveys on the facility's discharge and any appropriate thermal model development and field verification within eighteen months of the receipt of the Agency's approval. In the event that the Agency's approval of the study plan is not received within nine months of the permit issuance date, the permittee may proceed to implement the study plan pending receipt of the Agency's approval.

3. Based on the information obtained from thermal plume surveys, the permittee shall finalize the specific sampling locations for, and conduct, the biological monitoring study plan.

If the permittee intends to request the continuation of the 316(a) thermal variance in its renewed NPDES permit, the permittee shall submit to the Agency a report containing the results of the biological and thermal monitoring, including any applicable thermal modeling, concurrent with its next NPDES permit renewal application.

SPECIAL CONDITION 5. 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 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 (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.

Special Conditions

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 7. 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 dated June 28, 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 effective 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 8. 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 9. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 10. In the event that the permittee shall require 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 11. The cooling water prior to entering the intake structure and at outfall 001 shall be grab sampled once per week at the same time of day within ½ hour of each other between 9:00 a.m. and 3:00 p.m. in a randomized fashion for dissolved oxygen. The results in mg/l and the time of day the influent and effluent sample was taken shall be reported to the Agency as an attachment to the DMR.

SPECIAL CONDITION 12. There shall be no discharge of polychlorinated biphenyl compounds.

SPECIAL CONDITION 13. 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 14. The Agency has determined that the effluent limitations for outfall 001 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 15. Mercury monitoring shall be in accordance with 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 quarterly monitoring results shall be submitted on the March, June, September and December DMRs.

SPECIAL CONDITION 16. There shall be no discharge of complexed metal bearing wastestreams and associated rinses from chemical metal cleaning unless this permit has been modified to include the new discharge.

SPECIAL CONDITION 17. Debris collected on intake screens is prohibited from being discharged back to the canal. Debris does not include living fish or other living aquatic organisms.

Special Conditions

SPECIAL CONDITION 18. 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 6 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
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.

SPECIAL CONDITION 19. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.