

NPDES Permit No. IL0036919
Notice No. BWC:09060201.daa

Public Notice Beginning Date: **May 27, 2011**

Public Notice Ending Date: **June 27, 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:

Exelon Generation Company, LLC
4500 Winfield Road
Warrenville, Illinois 60555

Name and Address of Facility:

Exelon Generation Company, LLC
Clinton Power Station
8401 Power Road
Clinton, Illinois 61727
(DeWitt 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 Brian Cox at 217/782-0610.

The applicant is engaged in the operation of a 1092 MW nuclear fueled steam electric generating facility (SIC 4911). Waste water is generated by drawing water from Clinton Lake for condenser cooling, equipment cooling, sanitary and other plant uses. Plant operation results in an average discharge of 965 MGD of condenser cooling water, other cooling related waste waters, sanitary wastewater and various other wastewaters from outfall 002, 0.288 MGD of water treatment waste from outfall 003, an intermittent discharge from the transformer area oil water separator from outfall 004, an intermittent discharge from the diesel generator area oil water separator from outfall 005, an intermittent discharge of screenhouse intake discharges from outfall 006, 35 MGD of safe shutdown service water from outfall 007, 0.15 MGD of station service water from outfall 008, the intermittent discharge of stormwater from outfalls, 009, 011, 012, 013 and 014 and the intermittent discharge of dredge pond overflow from outfall 015.

The following modifications are proposed:

Modifications include a name and address change from AmerGen Energy Company, L.L.C. to Exelon Generation Company, LLC; the extended aeration and contact stabilization sewage treatment plants previously described in internal outfall A02 were taken out of service and replaced with a lagoon treatment plant described in Permit Number 2000-EN-0496 as consisting of a two-cell aerated lagoon followed by two automatic backwash traveling bridge sand filters; Outfall 010 has been removed because the area draining to outfall 010 does not have exposure to industrial activity; all references to the activated carbon treatment system including outfalls C02, A03 and contributory waste stream to Outfall 003 have been removed because this treatment system was only temporary and no longer exists; Zinc monitoring has been added to Outfalls 002, 007, and 008 because of a change in water treatment additives; Phosphorus monitoring has been added to Outfall 002 as part of an Agency effort to gather nutrient loading data from point source discharges; The intermittent discharge of TRC will no longer be given the alternate limit of 0.2 mg/L and all TRC discharges will now be required to demonstrate compliance with the water quality standards for TRC at 35 Ill. Adm. Code 302.208 by meeting the 0.05 mg/L limit which is the acceptable laboratory detection limit and is considered to be achievable based on BAT; All compounds previously monitored as Total Residual Oxidant will now be monitored as Total Residual Chlorine; Stormwater runoff has been added as a contributory waste stream to Outfalls 004 and 005. The stormwater runoff previously existed, but was not specifically identified in the permit; Other modifications include the reclassification of waste streams as low volume waste sources, addition of parameters for the purposes of gathering information, additional permit conditions, and other minor modifications.

Clinton Power Station's demonstration regarding water intake structure operations in accordance with Section 316(b) of the Clean Water Act is under review by this Agency. Final action on this matter is pending.

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.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
002	Clinton Lake	40° 10' 32"	North	88° 46' 03"	West	General Use	Not Rated
003	Clinton Lake	40° 10' 13"	North	88° 40' 25"	West	General Use	Not Rated
004	Clinton Lake	40° 10' 26"	North	88° 50' 13"	West	General Use	Not Rated
005	Clinton Lake	40° 10' 13"	North	88° 50' 25"	West	General Use	Not Rated
006	Clinton Lake	40° 10' 23"	North	88° 50' 13"	West	General Use	Not Rated
007	Clinton Lake	40° 10' 19"	North	88° 50' 17"	West	General Use	Not Rated
008	Clinton Lake	40° 10' 30"	North	88° 50' 00"	West	General Use	Not Rated
009	Clinton Lake	40° 09' 47"	North	88° 49' 39"	West	General Use	Not Rated
011	Clinton Lake	40° 09' 47"	North	88° 49' 39"	West	General Use	Not Rated
012	Clinton Lake	40° 10' 20"	North	88° 50' 14"	West	General Use	Not Rated
013	Clinton Lake	40° 09' 47"	North	88° 50' 14"	West	General Use	Not Rated
014	Clinton Lake	40° 10' 10"	North	88° 50' 35"	West	General Use	Not Rated

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

The stream segment receiving the discharge from outfall(s) 002 - 015 is on the draft 2010 303(d) list of impaired waters. The following parameters have been identified as the pollutants causing impairment:

Designated Use	Potential Contributors
Aesthetic Quality	Aquatic Algae and Cause Unknown

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
<u>Outfall: 002</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		40 CFR 423.15(a) & 35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Temperature						IPCB Order PCB 92-142
Zinc (Total)				Monitor Only		
Phosphorus (Total)				Monitor Only		
<u>Outfall: A02</u>						
Flow (MGD)						
BOD ₅	23.2	46.4	35 IAC 304.120	30	60	35 IAC 304.120
Total Suspended Solids	23.2	46.4	35 IAC 304.120	30	60	35 IAC 304.120
Fecal Coliform				Monitor Only		
<u>Outfall: B02</u>						
Flow (MGD)						
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	20	40 CFR 423.15(c)
<u>Outfall: 003</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		40 CFR 423.15(c) & 35 IAC 304.125
Oil and Grease				15	20	40 CFR 423.15(c)
Total Suspended Solids				15	30	35 IAC 304.124
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Chloride (Total)				Monitor Only		
Sulfate				Monitor Only		
<u>Outfall: 004</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		40 CFR 423.15(c) & 35 IAC 304.125
Oil & Grease				15	20	40 CFR 423.15(c)
Total Suspended Solids				15	30	35 IAC 304.124

	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall: 005</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		40 CFR 423.15(c) & 35 IAC 304.125
Oil & Grease				15	20	40 CFR 423.15(c)
Total Suspended Solids				15	30	35 IAC 304.124
<u>Outfall: 006</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		40 CFR 423.15(c) & 35 IAC 304.125
Oil & Grease				15	20	40 CFR 423.15(c)
Total Suspended Solids				15	30	35 IAC 304.124
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
<u>Outfall: 007</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Zinc				Monitor Only		
<u>Outfall: 008</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Zinc				Monitor Only		
<u>Outfall: 015</u>						
Flow (MGD)						
pH				Shall be within the range of 6.0-9.0 s.u.		35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124

Outfalls: 009, 011, 012, 013 and 014 are stormwater outfalls required to maintain a Storm Water Pollution Prevention Plan (SWPPP).

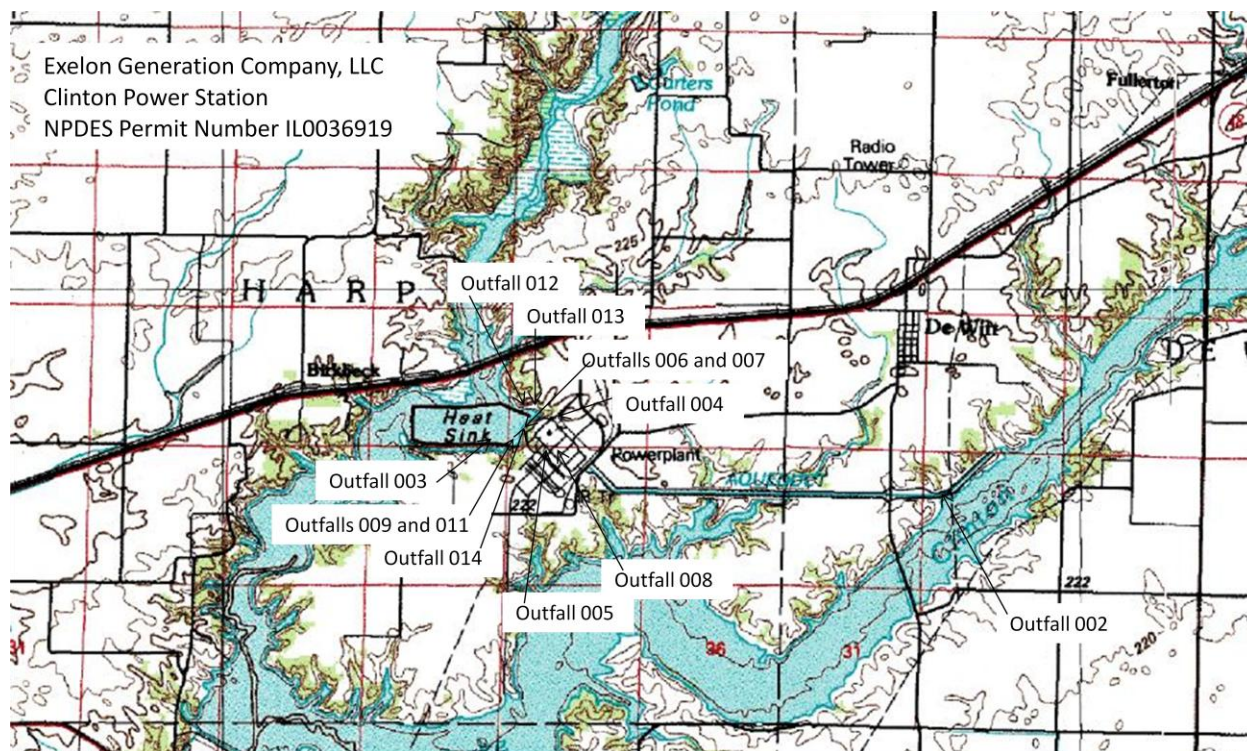
Load Limit Calculations:

Load limit calculations for Outfall A02 for the following pollutant parameters were based on a average flow of 0.0093 MGD and using the formula of average or maximum flow (MGD) X average or maximum concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): BOD₅ and total suspended solids.

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

The special conditions contained in the permit serve to clarify effluent limitations and monitoring requirements including submission requirements for discharge monitoring reports, sampling location restrictions, additional restrictions for the discharge of total residual chlorine, clarification of temperature restrictions, prohibition of discharging polychlorinated biphenyl compounds (PCBs), requirements to maintain a Storm Water Pollution Prevention Plan, and various other requirements.



Public Notice of Draft Permit

Public Notice Number BWC:09060201.daa 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 IL0036919 has been prepared under 40 CFR 124.6(d) for Exelon Generation Company, LLC, 4500 Winfield Road, Warrenville, Illinois 60555 for discharge into Clinton Lake from the Exelon Generation Company, LLC, Clinton Power Station, 8401 Power Road, Clinton, Illinois 61727. The Clinton Power Station is a 1092 MW nuclear fueled steam electric generating station on Clinton Lake located in DeWitt County, Illinois. Clinton Lake, a 5,000 acre impoundment formed by damming two streams, Salt Creek and its North Fork downstream of their confluence, provides the source of all water for station operation. The facility discharges condenser cooling water, various other cooling waters, water treatment wastes, radwaste treatment effluent, sewage treatment plant effluent, various drains and stormwater runoff. Application is being made for the continuation of existing discharges. Modifications include a name and address change from AmerGen Energy Company, L.L.C. to Exelon Generation Company, LLC; the extended aeration and contact stabilization sewage treatment plants previously described in internal outfall A02 were taken out of service and replaced with a lagoon treatment plant described in Permit Number 2000-EN-0496 as consisting of a two-cell aerated lagoon followed by two automatic backwash traveling bridge sand filters; Outfall 010 has been removed because the area draining to outfall 010 does not have exposure to industrial activity; all references to the activated carbon treatment system including outfalls C02, A03 and contributory waste stream to Outfall 003 have been removed because this treatment system was only temporary and no longer exists; Zinc monitoring has been added to Outfalls 002, 007, and 008 because of a change in water treatment additives; Phosphorus monitoring has been added to Outfall 002 as part of an Agency effort to gather nutrient loading data from point source discharges; The intermittent discharge of TRC will no longer be given the alternate limit of 0.2 mg/L and all TRC discharges will now be required to demonstrate compliance with the water quality standards for TRC at 35 Ill. Adm. Code 302.208 by meeting the 0.05 mg/L limit which is the acceptable laboratory detection limit and is considered to be achievable based on BAT; All compounds previously monitored as Total Residual Oxidant will now be monitored as Total Residual Chlorine; Stormwater runoff has been added as a contributory waste stream to Outfalls 004 and 005. The stormwater runoff previously existed, but was not specifically identified in the permit; Other modifications include the reclassification of waste streams as low volume waste sources, addition of parameters for the purposes of gathering information, additional permit conditions, and other minor modifications.

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

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

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

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

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NPDES Permit No. IL0036919

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:

Facility Name and Address:

Exelon Generation Company, LLC
4500 Winfield Road
Warrenville, Illinois 60555

Exelon Generation Company, LLC
Clinton Power Station
8401 Power Road
Clinton, Illinois 61727

Discharge Number and Name:	Receiving Waters:
002 Discharge Flume	Clinton Lake
A02 Sewage Treatment Plant Effluent	Clinton Lake
B02 Radwaste Treatment System Effluent	Clinton Lake
003 Water Treatment Waste	Clinton Lake
004 Transformer Area Oil/Water Separator	Clinton Lake
005 Diesel Generator Oil/Water Separator	Clinton Lake
006 Screen House Intake Screen Backwash	Clinton Lake
007 Safe Shutdown Service Water System	Clinton Lake
008 Station Service Water	Clinton Lake
009 Water Treatment Pond Area Runoff	Clinton Lake
011 Sedimentation Pond Runoff	Clinton Lake
012 Employee Parking lot and Adjacent Area Runoff	Clinton Lake
013 Boathouse and Screenhouse Area Runoff	Clinton Lake
014 Screenhouse and Pump house Area Runoff	Clinton Lake
015 Ultimate Heat Sink Dredge Pond Discharge	Clinton Lake

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

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NPDES Permit No. IL0036919

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:

Outfall(s): 002 - Discharge Flume
Approximate Flow: 965 MGD (max)

This discharge consists of:

Approximate Flow:

- | | |
|----------------------------------|-----------------|
| 1. Main Condenser Cooling Water | 880 MGD (max) |
| 2. Station Service Water* | 85 MGD (max) |
| 3. Makeup Water Treatment System | Intermittent |
| 4. Screenhouse Sump Discharges | Intermittent |
| 5. Discharges from Outfall A02 | 0.173 MGD (max) |
| 6. Discharges from Outfall B02 | 0.072 MGD (max) |

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 19				1/Week	Estimate 24-Hour Total
pH	See Special Condition 1				1/Week	Grab
Total Residual Chlorine**				0.05	1/Week	Grab
Temperature***					Continuous	See Special Condition 4
Zinc (Total)****			Monitor Only		1/Quarter	Grab
Phosphorus (Total)*****			Monitor Only		1/Quarter	Grab

*Station Service Water discharge consists of various pump and bearing cooling waters, various heat exchangers, chillers, and HVAC system and fire protection system maintenance flush waters.

**See Special Conditions 3 and 6.

***See Special Conditions 4 and 22.

**** See Special Condition 23

*****See Special Condition 24

NPDES Permit No. IL0036919

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:

Outfall(s): B02 - Radwaste Treatment System Effluent
Approximate Flow: 0.072 MGD (max)

This discharge consists of:

1. Equipment Drain Subsystem
2. Floor Drain Subsystem
3. Laundry Waste Subsystem
4. Chemical Waste Subsystem
5. Laboratory Chemicals*
6. Equipment Maintenance Wastewater

Approximate Flow:

Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)***	See Special Condition 17				Continuous	24 Hr. Total
Total Suspended Solids***			15	30	1/Week	Grab*
Oil & Grease***			15	20	1/Week	Grab*

* See Special Condition 11.

** See Special Condition 12.

***See Special Condition 25

NPDES Permit No. IL0036919

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:

Outfall(s): 003 - Water Treatment Wastes
Approximate Flow: 0.288 MGD (max)

This discharge consists of:

1. Upflow filter backwash
2. Reverse Osmosis Unit Reject Waste
3. Mixed Bed Polishers Off - Specification Water
4. Sand Filter Backwash
5. Auxillary Boiler Blowdown
6. Standby Liquid Control Pump
7. Surveillance Operation Wastewater
8. Equipment Maintenance Wastewater
9. Laboratory Chemicals
10. Reverse Osmosis Unit Cleaning chemicals

Approximate Flow:

0.060 MGD (max)
0.040 MGD (max)
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 17				1/Week	24 Hr. Total
pH	See Special Condition 1				1/Week	Grab
Oil & Grease			15	20	1/Week	24 Hour Composite
Total Suspended Solids			15	30	1/Week	24 Hour Composite
Total Residual Chlorine*				0.05	Semi-Annual	Grab
Chloride (Total)			Monitor Only		Semi-Annual	24 Hour Composite
Sulfate			Monitor Only		Semi-Annual	24 Hour Composite

* See Special Condition 6.

NPDES Permit No. IL0036919

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:

Outfall(s): 004 – Transformer Area Oil/Water Separator
Approximate Flow: Intermittent

This discharge consists of:

1. Machine Shop Area Floor Drains
2. Paint Storage Room Floor Drains
3. Oil Tank Area & Turbine Oil transfer Pump Area Drains
4. Transformer Area Drains
5. Diesel Generator Area Drains
6. Equipment Maintenance Wastewater
7. Stormwater Runoff

Approximate Flow:

Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 17				1/Month	Estimate
pH	See Special Condition 1				Quarterly	Grab
Oil & Grease			15	20	1/Month	Grab
Total Suspended Solids			15	30	Quarterly	Grab

NPDES Permit No. IL0036919

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:

Outfall(s): 005 – Diesel Generator Area Oil/Water Separator
Approximate Flow: Intermittent

This discharge consists of:

1. Diesel Generator Building Floor Drains
2. Diesel Fuel Storage Area Drains
3. Fuel Unloading Area Drains
4. Equipment Maintenance Wastewaters
5. Transformer Area Drains
6. Stormwater Runoff

Approximate Flow:

Intermittent
Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 17				1/Month	Estimate
pH	See Special Condition 1				Quarterly	Grab
Oil & Grease			15	20	1/Month	Grab
Total Suspended Solids			15	30	Quarterly	Grab

NPDES Permit No. IL0036919

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:

Outfall(s): 006 - Screenhouse Intake Discharges*
Approximate Flow: 0.072 MGD (max)

This discharge consists of:

1. Screenhouse intake screen backwash
2. Warming line waters
3. Service Water Backflow
4. Raw Water Treatment System
5. Non-Chlorinated Sample Water

Approximate Flow:

Intermittent
Intermittent
Intermittent
Intermittent
Intermittent

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 17				1/Week	Estimate
pH	See Special Condition 1				Quarterly	Grab
Oil & Grease			15	20	Quarterly	Grab
Total Suspended Solids			15	30	Quarterly	Grab
Total Residual Chlorine**				0.05	1/Week	Grab

* See Special Condition 5.

** See Special Condition 6.

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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:

Outfall(s): 007 - Safe Shutdown Service Water System
Approximate Flow: 35 MGD (max)

This discharge consists of:

1. Equipment Cooling Water
2. Diesel Generator Cooling Water
3. Residual Heat Removal Heat Exchangers

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 17				Continuous	Measurement
pH	See Special Condition 1				Quarterly	Grab
Total Residual Chlorine*				0.05	1/Week	Grab
Zinc**			Monitor Only		Quarterly	Grab

* See Special Condition 6.

**See Special Condition 23

NPDES Permit No. IL0036919

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:

Outfall(s): 008 - Station Service Water*
Approximate Flow: 0.15 MGD (max)

This discharge consists of:

1. Unheated pump bearing cooling waters
2. Heat exchanger cooling waters
3. Chiller Waters
4. HVAC cooling waters
5. Fire protection and service water

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)					Daily When Discharging	Estimate 24 Hour Total
pH	See Special Condition 1				Quarterly	Grab
Total Residual Chlorine**				0.05	Daily When Discharging	Grab
Zinc***			Monitor Only		Quarterly	Grab

* This discharge occurs only during refueling and other forced outages.

** See Special Condition 6.

***See Special Condition 23.

NPDES Permit No. IL0036919

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:

Outfall: 009* - Water Treatment Pond Area Runoff
 Outfall: 011* - Sedimentation Pond Runoff
 Outfall: 012* - Employee Parking Lot and Adjacent Area Runoff
 Outfall: 013* - Boathouse and Screenhouse Area Runoff
 Outfall: 014* - Screenhouse and Pumphouse Area Runoff

* See Special Condition 14 for discharges of Stormwater.

Outfall: 015 - Ultimate Heat Sink Dredge Pond Discharge**

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)					1/Week	Estimate 24 Hour Total
pH	See Special Condition 1				1/Week	Grab
Total Suspended Solids			15	30	1/Week	Grab

**See Special Condition 15

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SPECIAL CONDITION 1. The pH shall be in the range of 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 2. 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 waters.

SPECIAL CONDITION 3. Continuous monitoring throughout a representative chlorination period shall be performed once per week above the second drop structure in the discharge flume during the respective chlorination period allowing for lag time between the initiation of chlorination and the point of sampling. If continuous monitoring cannot be performed, a single grab sample (1/week) shall be taken in the discharge flume during a discharge representative of a chlorination period. The result of the grab sample shall be reported including the time of collection, the time and duration of the chlorine dosing period plus the amount (lbs/day) of chlorine applied. For continuous chlorine monitoring, analytical data from only one representative 24-hr monitoring period each week need be reported on the monthly discharge monitoring report. For continuous monitoring, the chlorine concentration curve, the time of sampling, the time and duration of the chlorine dosing period plus the amount (lbs/day) of chlorine applied shall be reported.

If only service water is discharged to the discharge flume during a normal weekly monitoring period, a single grab sample (1/week) may be taken for determining compliance with TRC limitations. The single grab sample must be taken during a representative chlorination period, with the duration of chlorination reported in the quarterly reports.

SPECIAL CONDITION 4. In accordance with IPCB Order PCB 92-142, the temperature of the discharge to Clinton Lake from Clinton Power Station, as measured at the second drop structure of the discharge flume, shall be limited to a daily average temperature which (1) does not exceed 99 degrees Fahrenheit during more than 90 days in a fixed calendar year running from January 1, through December 31, and (2) does not exceed 110.7 degrees Fahrenheit for any given day.

Compliance with the water temperature monitoring requirements shall be determined by reporting the daily average and daily maximum water temperature of the discharge. The number of days the daily average temperature exceeds 99.0° F during the calendar year shall also be reported.

If the permittee is submitting Discharge Monitoring Reports electronically, the permittee shall report the monthly average and daily maximum temperatures on the DMR. Other required data should immediately follow by mail.

SPECIAL CONDITION 5. The intake structure shall be operated and maintained in a professional manner so as to minimize the possible adverse impact on water quality which might result from the discharge of any collected debris or fish. So as to minimize possible adverse impacts, for purposes of this permit, the intake structure operation and maintenance shall include, but not be limited to, the following: Outer bar racks shall be routinely cleaned and collected debris properly disposed.

SPECIAL CONDITION 6. 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 or other methods found in Standard Methods for Examination of Water and Wastewater, current edition. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results.

For the purposes of this permit, TRC means those substances which include combined and uncombined forms of both chlorine and bromine and which are expressed, by convention, as an equivalent concentration of molecular chlorine.

SPECIAL CONDITION 7. There shall be no discharge of polychlorinated biphenyl compounds (PCBs).

SPECIAL CONDITION 8. In accordance with IPCB Order PCB 92-142, Clinton Power Station is required to conduct a continuous Temperature Monitoring Program at site 1.5 that will be located at a submerged depth of 0.5 meters in Salt Creek approximately 100 feet down the stream from the bottom of the spillway of Clinton Lake during the months of June, July, and August of each year, during the life of this permit. Results shall be submitted to the Agency by the following January.

SPECIAL CONDITION 9. Clinton Power Station's thermal demonstration pursuant to 35 Ill. Adm. Code 302.211(f) was approved by the IPCB and the alternative thermal standards of Special Condition 4 of this permit were granted by the IPCB (PCB 92-142) after fulfillment of the requirements of 35 Ill. Adm. Code 302.211(j).

SPECIAL CONDITION 10. Clinton Power Station's demonstration regarding water intake structure operations in accordance with Section 316(b) of the Clean Water Act is under review by this Agency. Final action on this matter is pending.

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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 11. Unused laboratory chemicals shall be discharged at a rate and in a manner so as not to upset normal operation or cause pass through at the sewage treatment plant, or the Radwaste Treatment System.

SPECIAL CONDITION 12. A grab sample shall be taken during the discharge of each Radwaste Treatment System effluent holding tank. A grab sample shall be taken each time a tank is discharged.

SPECIAL CONDITION 13. 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 15th 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
Attention: Compliance Assurance Section, Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 14.

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. 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.

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- 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.

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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 or 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.

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- 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 and adjacent to the exposure area to detain and evapotranspire 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 for 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.

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- 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. The permittee may claim portions of the plan as exempt from public disclosure as confidential business information or as otherwise required by law including any portion of the plan related to facility security.
- 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.

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- 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.

SPECIAL CONDITION 15. Prior to the initiation of discharge at Outfall 015, the permittee shall submit a completed Form 2D for this outfall. If necessary, based on the additional information submitted, the Agency may revise or modify the permit in order to comply with the Clean Water Act.

SPECIAL CONDITION 16. Fecal Coliform samples shall be obtained once per month during the months of May through October.

SPECIAL CONDITION 17. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 18. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 19. 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 20. This permit authorizes the use of water treatment additives that were requested as part of this renewal, water treatment additives that were requested as part of the submission dated June 29, 2010, and water treatment additives that were previously approved by the Agency. The use of any new additives, or change in those previously approved by the Agency, or if the permittee increases the feed rate or quantity of the additives used beyond what has been approved by the Agency, the permittee shall request a modification of this permit in accordance with the Standard Conditions – Attachment H.

SPECIAL CONDITION 21. 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 22. There shall be no abnormal temperature changes that may adversely affect aquatic life, including but not limited to fish kills, unless caused by natural conditions. Appropriate corrective measures will be required if, upon complaint filed in accordance with Illinois Pollution Control Board rules, it is found at any time that any heated effluent causes significant ecological damage to the receiving stream.

Any planned plant shutdowns shall be conducted in a manner to minimize rapid temperature changes that may result in adverse aquatic life impacts such as temperature shock. The Illinois Department of Natural Resources Region III Office and the Illinois EPA Champaign Regional Office shall be notified of any planned plant shutdown due to a refueling outage one week prior to the shutdown occurring.

The Illinois Department of Natural Resources Region III Office and the Illinois EPA Champaign Regional Office shall be notified immediately if any fish kills are observed.

SPECIAL CONDITION 23. Quarterly monitoring for zinc shall only be required when using a corrosion inhibitor containing zinc.

SPECIAL CONDITION 24. Quarterly monitoring for phosphorus shall only be required when using a corrosion inhibitor containing phosphorus.

SPECIAL CONDITION 25. Monitoring of Outfall B02 shall only be required when discharges are occurring from Outfall B02.