#### NPDES Permit No. IL0021784 Notice No. FRB:10102601.bah

#### Public Notice Beginning Date: September 4, 2014

#### Public Notice Ending Date: October 6, 2014

#### National Pollutant Discharge Elimination System (NPDES) Permit Program

### PUBLIC NOTICE/FACT SHEET

of

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois EPA 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:

Kankakee River Metropolitan Agency 1600 West Brookmont Blvd. Kankakee, Illinois 60901 Name and Address of Facility:

Kankakee River Metropolitan Agency STP 1600 West Brookmont Blvd. Kankakee, Illinois 60901 (Kankakee 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. All comments on the draft Permit and requests for hearing must be received by the IEPA by U.S. Mail, carrier mail or hand delivered by the Public Notice Ending Date. 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 numbers 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 Francis Burba at 217/782-0610.

The following water quality and effluent standards and limitations were applied to the discharge:

Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter I: Pollution Control Board and the Clean Water Act were applied in determining the applicable standards, limitations and conditions contained in the draft Permit.

The applicant is engaged in treating domestic and industrial wastewater for Kankakee, Bradley, Bourbonnais and Aroma Park.

The length of the Permit is approximately 5 years.

The main discharge number is 001. The seven day once in ten year low flow (7Q10) of the receiving stream, Kankakee River is 451.0 cfs.

Discharge number 003 is the discharge from the flow equalization basin to a channel immediately tributary to the Kankakee River. Excess flow is diverted to this flow equalization basin when the main plant exceeds 45 million gallons per day.

The design average flow (DAF) for the facility is 25.0 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 45.0 MGD. Treatment consists of screening, flow equalization, excess flow treatment, settling, activated sludge, trickling filtration, chlorine disinfection, dechlorination, anaerobic digestion, belt filtration, and flotation thickening.

This treatment works has an approved pretreatment program. There are 20 noncategorical SIUs and 14 CIUs.

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This reissued Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

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

Discharge <u>Number</u>	Receiving Stream**	Latitude	Longitude	Stream <u>Classification</u>	Integrity <u>Rating</u>
001	Kankakee River	41° 07' 47" North	87° 52' 44" West	General Use	Not Rated*
003	Kankakee River	41° 08' 24" North	87° 53' 17" West	General Use	Not Rated

\*According to the Illinois Department of Natural Resources document "Integrating Multiple Taxa in a Biological Stream Rating System", the Kankakee River is not a biologically significant stream at this location; however, it is a biologically significant stream approximately one (1) mile downstream of the outfall. The Kankakee River is not given an integrity rating in that document at this location; however, it is given an integrity rating of "A" approximately 2.2 miles downstream of the outfall. \*\*Directly, or indirectly discharged to.

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

The stream segment(s) (Waterbody Segment F-12) receiving the discharge from outfall(s) 001, and 003 is (are) on the 303(d) list of impaired waters.

The following parameters have been identified as the pollutants causing impairment:

Potential Causes (2006 list)	Uses Impaired (2006 list)
mercury	fish consumption
manganese	public and food processing water supply

Potential Causes (partially approved 2008 and draft 2010 and 2012 lists)	Uses Impaired (partially approved 2008 and draft 2010 and 2012 lists)
mercury and polychlorinated biphenyls	fish consumption
manganese	public and food processing water supply

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The discharge(s) from the facility is (are) proposed to be monitored and limited at all times as follows:

Discharge Number(s) and Name(s): 001 STP Outfall

Load limits computed based on a design average flow (DAF) of 25.0 MGD (design maximum flow (DMF) of 45.0 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

	LOA	D LIMITS lbs, DAF (DMF)	/day	C	ONCENTRATI	ON	
Parameter	Monthly Average	Weekly <u>Average</u>	Daily <u>Maximum</u>	Monthly <u>Average</u>	Weekly <u>Average</u>	Daily <u>Maximum</u>	Regulation
CBOD <sub>5</sub> **	4,170 (7,506)	8,340 (15,012)		20	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids**	5,213 (9,383)	9,383 (16,889)		25	45		35 IAC 304.120 40 CFR 133.102
рН	Shall be in the	e range of 6 to	9 Standard Un	its			35 IAC 304.125
Fecal Coliform	Daily Maximur (May through	m shall not ex October)	ceed 400 per 10	00 mL			35 IAC 304.121
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen:*** March-May/SeptOct.			1647 (2965)			7.9	35 IAC 355 and 35 IAC 302
June-August			1731 (3115)			8.3	
NovFeb.			1564 (2815)			7.5	
Total Phosphorus (as P)	Monitor Only						35 IAC 304.123
Total Nitrogen	Monitor Only						35 IAC 309.146
				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum	
Dissolved Oxygen*** March-July					6.25	5.0	35 IAC 302.206
August-February				6.0	4.5	4.0	

\*Load Limits are calculated by using the formula: 8.34 x (Design Average and/or Maximum Flow in MGD) x (Applicable Concentration in mg/L).

\*\*For Discharge Nos. 001: BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105.

\*\*\*Compliance schedules to provide the facility additional time to comply with the ammonia nitrogen and dissolved oxygen limits have been included in this draft permit. The existing permit did not include limits. The facility has proposed upgrades to their existing facility to comply with these new limits. Public Notice/Fact Sheet -- Page 4 -- NPDES Permit No. IL0021784

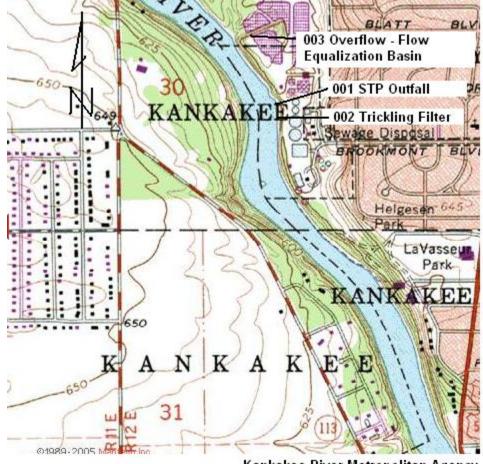
This Permit contains a prohibition on the discharge from the excess flow treatment system as follows:

Discharge Number(s) and Name(s): 003 – Flow Equalization Basin Discharge

	CONCENTRATION LIMITS (mg/L)	
Parameter	Monthly Average	<u>Regulation</u>
BOD₅		40 CFR 133.102
Suspended Solids		40 CFR 133.102
Fecal Coliform	Daily Maximum Shall Not Exceed 400 per 100 ML	35 IAC 304.121
Chlorine Residual	0.75	35 IAC 304.208
рН	Shall be in the range of 6 to 9 standard units	35 IAC 304.125

This draft Permit also contains the following requirements as special conditions:

- 1. Reopening of this Permit to include different final effluent limitations.
- 2. Operation of the facility by or under the supervision of a certified operator.
- 3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
- 4. More frequent monitoring requirement without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.
- 5. Prohibition against causing or contributing to violations of water quality standards.
- 6. Effluent sampling point location.
- 7. Controlling the sources of infiltration and inflow into the sewer system.
- 8. Seasonal fecal coliform limits.
- 9. The Permittee implements and administers an industrial pretreatment program pursuant to 40 CFR §403.
- 10. Submission of annual fiscal data.
- 11. The Permittee is required to perform biomonitoring tests in the 18<sup>th</sup> 15<sup>th</sup>, 12<sup>th</sup> and 9<sup>th</sup> months prior to the expiration date of the permit, and to submit the results of such tests to the IEPA within one week of receiving the results from the laboratory.
- 12. A prohibition on discharges from high level emergency bypass(es).
- 13. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
- 14. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
- 15. The Permittee may conduct a study to demonstrate that a mixing zone and ZID is available in the receiving stream.
- 16. Compliance schedule for ammonia.
- 17. Compliance schedule for dissolved oxygen.
- 18. Capacity, Management, Operations and Maintenance (CMOM) requirements.
- 19. Bypass provisions of 40 CFR Section 122.41 (m) & (n).
- Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
- 21. No Feasible Alternative Analysis requirements.



Kankakee River Metropolitan Agency NPDES NO. IL0021784 Kankakee County

#### 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:** 

Name and Address of Permittee:

Kankakee River Metropolitan Agency 1600 West Brookmont Blvd. Kankakee, Illinois 60901 Issue Date: Effective Date:

Facility Name and Address: Kankakee River Metropolitan Agency STP 1600 West Brookmont Blvd. Kankakee, Illinois 60901 (Kankakee County)

Receiving Waters: Kankakee River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of the Ill. Adm. Code, Subtitle C, Chapter I, 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:FRB:10102601.bah

# Effluent Limitations, Monitoring, and Reporting

#### FINAL

Discharge Number(s) and Name(s): 001 STP Outfall

Load limits computed based on a design average flow (DAF) of 25.0 MGD (design maximum flow (DMF) of 45.0 MGD).

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

	LOA	AD LIMITS Ibs DAF (DMF)	s/day		NCENTRAT LIMITS mg/L			
Parameter	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Sample Frequency	Sample Type
Flow (MGD)							Continuous	
CBOD₅ <sup>1</sup>	4,170 (7,506)	8,340 (15,012)		20	40		5 Days/Week	Composite
Suspended Solids <sup>1</sup>	5,213 (9,383)	9,383 (16,889)		25	45		5 Days/Week	Composite
рН	Shall be in th	ne range of 6	to 9 Standard	Units			5 Days/Week	Grab
Fecal Coliform***	Daily Maximum shall not exceed 400 per 100 mL (May through October)					5 Days/Week	Grab	
Chlorine Residual***						0.05	5 Days/Week	Grab
Ammonia Nitrogen:**** As (N) March-May/SeptOct.			1647 (2965)			7.9	5 Days/Week	Composite
June-August			1731 (3115)			8.3	5 Days/Week	Composite
NovFeb.			1564 (2815)			7.5	5 Days/Week	Composite
Total Phosphorus (as P)	Monitor Only	/					5 Days/Week	Composite
Total Nitrogen	Monitor Only	/					1 Day/Month	Composite
				Monthly Average not less than	Weekly Average not less than	Daily Minimum		
Dissolved Oxygen***** March-July					6.25	5.0	2 Days/Week	Grab
August-February				6.0	4.5	4.0	2 Days/Week	Grab

\*Load limits based on design maximum flow shall apply only when flow exceeds design average flow.

\*\*Carbonaceous BOD<sub>5</sub> (CBOD<sub>5</sub>) testing shall be in accordance with 40 CFR 136.

\*\*\*\*See Special Condition 16. \*\*\*\*See Special Condition 17.

### Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 001 STP Outfall (continued)

Flow shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

Fecal Coliform shall be reported on the DMR as a daily maximum value.

pH shall be reported on the DMR as minimum and maximum value.

Chlorine Residual shall be reported on DMR as daily maximum value.

Dissolved oxygen shall be reported on the DMR as a minimum value.

Influent BOD<sub>5</sub> and Effluent CBOD<sub>5</sub>, Fecal Coliform, Chlorine Residual, Ammonia Nitrogen, Copper, Zinc and Dissolved Oxygen sampling is not required on the following holidays: New Year's Day, Martin Luther King Jr. Day, President's Day, Good Friday, Memorial Day, Fourth of July, Labor Day, Columbus Day, Armistice Day, Thanksgiving Day, the day after Thanksgiving Day, Christmas Day, and the day before Christmas.

<sup>1</sup>For Discharge Nos. 001: BOD<sub>5</sub> and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent except as provided in Sections 133.103 and 133.105. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration.

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#### Effluent Limitations, Monitoring, and Reporting

#### FINAL

Discharge Number(s) and Name(s): 003 - Flow Equalization Basin Discharge

Discharges from this facility are prohibited bypasses, subject to Special Condition 12 of this Permit.

To mitigate the adverse impact of any prohibited discharge from this facility, any discharge shall be monitored and limited at all times as follows:

			CONCENTRATION LIMITS mg/L		
Parameter			Monthly Average	Sample Frequency	Sample Type
Fecal Coliform	Daily Maximum Shall Not Exceed 400 per 10		d 400 per 100 mL	Daily When Discharging	Grab
Chlorine Residual		0.75		Daily When Discharging	Grab
рН	Shall be in the range of 6 to 9 standard units			Daily When Discharging	Grab

To assess the adverse impact of any prohibited discharge from this facility, any discharge shall be monitored for the following:

			CONCENTRATION LIMITS mg/L		
Parameter			Monthly Average	Sample Frequency	Sample Type
Total Flow (MG)	See Below			Daily When Discharging	Continuous
BOD <sub>5</sub>				Daily When Discharging	Grab
Suspended Solids				Daily When Discharging	Grab

Total flow in million gallons shall be reported on the Discharge Monitoring Report (DMR) in the quantity maximum column.

Report the number of days of discharge in the comments section of the DMR.

Fecal Coliform shall be reported on the DMR as daily maximum.

Chlorine Residual shall be reported on the DMR as a monthly average concentration.

pH shall be reported on the DMR as a minimum and a maximum.

BOD<sub>5</sub> and Suspended Solids shall be reported on the DMR as a monthly average concentration.

# Influent Monitoring, and Reporting

The influent to the plant shall be monitored as follows:

Parameter	Sample Frequency	Sample Type
Flow (MGD)	Continuous	
BOD <sub>5</sub>	5 Days/Week	Composite
Suspended Solids	5 Days/Week	Composite

Influent samples shall be taken at a point representative of the influent.

Flow (MGD) shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

 $\mathsf{BOD}_5$  and Suspended Solids shall be reported on the DMR as a monthly average concentration.

#### **Special Conditions**

<u>SPECIAL CONDITION 1</u>. This Permit may be modified to include different final effluent limitations or requirements which are consistent with applicable laws and regulations. The IEPA will public notice the permit modification.

SPECIAL CONDITION 2. The use or operation of this facility shall be by or under the supervision of a Certified Class 1 operator.

<u>SPECIAL CONDITION 3</u>. The IEPA may request in writing submittal of operational information in a specified form and at a required frequency at any time during the effective period of this Permit.

<u>SPECIAL CONDITION 4</u>. The IEPA may request more frequent monitoring by permit modification pursuant to 40 CFR § 122.63 and <u>Without Public Notice</u>.

<u>SPECIAL CONDITION 5</u>. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 III. Adm. Code 302 or 303.

<u>SPECIAL CONDITION 6</u>. 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.

<u>SPECIAL CONDITION 7</u>. This Permit may be modified to include requirements for the Permittee on a continuing basis to evaluate and detail its efforts to effectively control sources of infiltration and inflow into the sewer system and to submit reports to the IEPA if necessary.

<u>SPECIAL CONDITION 8</u>. Fecal Coliform limits for Discharge Number 001 are effective May thru October. Sampling of Fecal Coliform is only required during this time period.

The total residual chlorine limit is applicable at all times. If the Permittee is chlorinating for any purpose during the months of November through April, sampling is required on a daily grab basis. Sampling frequency for the months of May through October shall be as indicated on effluent limitations, monitoring and reporting page of this Permit.

#### SPECIAL CONDITION 9.

### A. Publicly Owned Treatment Works (POTW) Pretreatment Program General Provisions

- The Permittee shall implement and enforce its approved Pretreatment Program which was approved on August 12, 1985 and all approved subsequent modifications thereto. The Permittee shall maintain legal authority adequate to fully implement the Pretreatment Program in compliance with Federal (40 CFR 403), State, and local laws and regulations. All definitions in this section unless specifically otherwise defined in this section, are those definitions listed in 40 CFR 403.3. USEPA Region 5 is the Approval Authority for the Administration of Pretreatment Programs in Illinois. The Permittee shall:
  - a. Develop and implement procedures to ensure compliance with the requirements of a pretreatment program as specified in 40 CFR 403.8(f)(2).
  - b. Carry out independent inspection and monitoring procedures at least once per year, which will determine whether each significant industrial user (SIU) is in compliance with applicable pretreatment standards;
  - c. Evaluate whether each SIU needs a slug control plan or other action to control slug discharges. If needed, the SIU slug control plan shall include the items specified in 40 CFR 403.8(f)(2)(vi). For IUs identified as significant prior to November 14, 2005, this evaluation must have been conducted at least once by October 14, 2006; additional SIUs must be evaluated within 1 year of being designated an SIU;
  - d. Update its inventory of Industrial Users (IUs) at least annually and as needed to ensure that all SIUs are properly identified, characterized, and categorized;
  - e. Receive and review self monitoring and other IU reports to determine compliance with all pretreatment standards and requirements, and obtain appropriate remedies for noncompliance by any IU with any pretreatment standard and/or requirement;
  - f. Investigate instances of noncompliance, collect and analyze samples, and compile other information with sufficient care as to produce evidence admissible in enforcement proceedings, including judicial action;
  - g. Require development, as necessary, of compliance schedules by each industrial user to meet applicable pretreatment standards; and,
  - h. Maintain an adequate revenue structure and staffing level for continued operation of the Pretreatment Program.

### **Special Conditions**

- 2. The Permittee shall issue/reissue permits or equivalent control mechanisms to all SIUs prior to expiration of existing permits or prior to commencement of discharge in the case of new discharges. The permits at a minimum shall include the elements listed in 40 CFR § 403.8(f)(1)(iii)(B).
- 3. The Permittee shall develop, maintain, and enforce, as necessary, local limits to implement the general and specific prohibitions in 40 CFR § 403.5 which prohibit the introduction of any pollutants which cause pass through or interference and the introduction of specific pollutants to the waste treatment system from <u>any</u> source of nondomestic discharge.
- 4. In addition to the general limitations expressed in Paragraph 3 above, applicable pretreatment standards must be met by <u>all</u> <u>industrial users</u> of the POTW. These limitations include specific standards for certain industrial categories as determined by Section 307(b) and (c) of the Clean Water Act, State limits, or local limits, whichever are more stringent.
- 5. The USEPA and IEPA individually retain the right to take legal action against any industrial user and/or the POTW for those cases where an industrial user has failed to meet an applicable pretreatment standard by the deadline date regardless of whether or not such failure has resulted in a permit violation.
- 6. The Permittee shall establish agreements with all contributing jurisdictions, as necessary, to enable it to fulfill its requirements with respect to all IUs discharging to its system.
- 7. Unless already completed, the Permittee shall within six (6) months of the effective date of this Permit submit to USEPA and IEPA a proposal to modify and update its approved Pretreatment Program to incorporate Federal revisions to the general pretreatment regulations. The proposal shall include all changes to the approved program and the sewer use ordinance which are necessary to incorporate the revisions of the Pretreatment Streamlining Rule (which became effective on November 14, 2005), which are considered required changes, as described in the Pretreatment Streamlining Rule Fact Sheet 2.0: Required changes, available at: <a href="http://cfpub.epa.gov/npdes/whatsnew.cfm?program\_id=3">http://cfpub.epa.gov/npdes/whatsnew.cfm?program\_id=3</a>. This includes any necessary revisions to the Permittee's Enforcement Response Plan (ERP).
- 8. The Permittee shall conduct a technical re-evaluation of its local limitations consistent with U.S. EPA's Local Limits Development Guidance (July 2004) and submit the evaluation and any proposed revisions to its local limits to IEPA and U.S. EPA Region 5 for review and approval. USEPA Region 5 requests the Permittee to submit the evaluation and any proposed revisions to its local limits on the spreadsheet found at <a href="http://www.epa.gov.region5/water/npdestek/locallmt.xls">http://www.epa.gov.region5/water/npdestek/locallmt.xls</a>. The Local Limits Evaluation was submitted August 22, 2012. To demonstrate technical justification for new local industrial user limits or justification for retaining existing limits, the following information must be submitted to U.S. EPA:
  - a. Total plant flow
  - b. Domestic/commercial pollutant contributions for pollutants of concern
  - c. Industrial pollutant contributions and flows
  - d. Current POTW pollutant loadings, including loadings of conventional pollutants
  - e. Actual treatment plant removal efficiencies, as a decimal (primary, secondary, across the wastewater treatment plant)
  - f. Safety factor to be applied
  - g. Identification of applicable criteria:
    - i. NPDES permit conditions
      - Specific NPDES effluent limitations
      - Water-quality criteria
      - Whole effluent toxicity requirements
      - •Criteria and other conditions for sludge disposal
      - ii. Biological process inhibition
        - Nitrification
        - Sludge digester
      - iii. Collection system problems
  - h. The Permittee's sludge disposal methods (land application, surface disposal, incineration, landfill)
  - i. Sludge flow to digester
  - j. Sludge flow to disposal
  - k. % solids in sludge to disposal, not as a decimal
  - I. % solids in sludge to digester, not as a decimal
  - m. Plant removal efficiencies for conventional pollutants
  - n. If revised industrial user discharge limits are proposed, the method of allocating available pollutants loads to industrial users
  - o. A comparison of maximum allowable headworks loadings based on all applicable criteria listed in g, above
  - p. Pollutants that have caused:
    - i. Violations or operational problems at the POTW, including conventional pollutants
    - ii. Fires and explosions
    - iii. Corrosion
    - iv. Flow obstructions

### **Special Conditions**

- v. Increased temperature in the sewer system
- vi. Toxic gases, vapors or fumes that caused acute worker health and safety problems
- vii. Toxicity found through Whole Effluent Toxicity testing
- viii. Inhibition
- Pollutants designated as "monitoring only" in the NPDES permit
- Supporting data, assumptions, and methodologies used in establishing the information a through q above
- 9. The Permittee's Pretreatment Program has been modified to incorporate a Pretreatment Program Amendment approved by USEPA on July 24, 1997. The amendment became effective on the date of approval and is a fully enforceable provision of your Pretreatment Program.

Modifications of your Pretreatment Program shall be submitted in accordance with 40 CFR § 403.18, which established conditions for substantial and nonsubstantial modifications. All requests should be sent in electronic format to <u>r5npdes@epa.gov</u>, attention: NPDES Programs Branch.

### B. <u>Reporting and Records Requirements</u>

- 1. The Permittee shall provide an annual report briefly describing the permittee's pretreatment program activities over the previous calendar year. Permittees who operate multiple plants may provide a single report providing all plant-specific reporting requirements are met. Such report shall be submitted no later than April 28th of each year to USEPA, Region 5, 77 West Jackson Blvd., Chicago, Illinois 60604, Attention: Water Enforcement & Compliance Assurance Branch, and shall be in the format set forth in IEPA's POTW Pretreatment Report Package which contains information regarding:
  - a. An updated listing of the Permittee's significant industrial users, indicating additions and deletions from the previous year, along with brief explanations for deletions. The list shall specify which categorical Pretreatment standards, if any, are applicable to each Industrial User.
  - b. A descriptive summary of the compliance activities including numbers of any major enforcement actions, (i.e., administrative orders, penalties, civil actions, etc.), and the outcome of those actions. This includes an assessment of the compliance status of the Permittee's industrial users and the effectiveness of the Permittee's Pretreatment Program in meeting its needs and objectives.
  - c. A description of all substantive changes made to the Permittee's Pretreatment Program. Changes which are "substantial modifications" as described in 40 CFR § 403.18(c) must receive prior approval from USEPA.
  - d. Results of sampling and analysis of POTW influent, effluent, and sludge.
  - e. A summary of the findings from the priority pollutants sampling. As sufficient data becomes available the IEPA may modify this Permit to incorporate additional requirements relating to the evaluation, establishment, and enforcement of local limits for organic pollutants. Any permit modification is subject to formal due process procedures pursuant to State and Federal law and regulation. Upon a determination that an organic pollutant is present that causes interference or pass through, the Permittee shall establish local limits as required by 40 CFR § 403.5(c).
- 2. The Permittee shall maintain all pretreatment data and records for a minimum of three (3) years. This period shall be extended during the course of unresolved litigation or when requested by the IEPA or the Regional Administrator of USEPA. Records shall be available to USEPA and the IEPA upon request.
- 3. The Permittee shall establish public participation requirements of 40 CFR 25 in implementation of its Pretreatment Program. The Permittee shall at least annually, publish the names of all IU's which were in significant noncompliance (SNC), as defined by 40 CFR § 403.8(f)(2)(viii), in a newspaper of general circulation that provides meaningful public notice within the jurisdictions served by the Permittee or based on any more restrictive definition of SNC that the POTW may be using.
- 4. The Permittee shall provide written notification to the USEPA, Region 5, 77 West Jackson Blvd., Chicago, Illinois 60604, Attention NPDES Programs Branch and to the Deputy Counsel for the Division of Water Pollution Control, IEPA, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 within five (5) days of receiving notice that any Industrial User of its sewage treatment plant is appealing to the Circuit Court any condition imposed by the Permittee in any permit issued to the Industrial User by Permittee. A copy of the Industrial User's appeal and all other pleadings filed by all parties shall be mailed to the Deputy Counsel within five (5) days of the pleadings being filed in Circuit Court.

q. r.

### **Special Conditions**

### C. <u>Monitoring Requirements</u>

1. The Permittee shall monitor its influent, effluent and sludge and report concentrations of the following parameters on monitoring report forms provided by the IEPA and include them in its annual report. Samples shall be taken at quarterly intervals at the indicated reporting limit or better and consist of a 24-hour composite unless otherwise specified below. Sludge samples shall be taken of final sludge and consist of a grab sample reported on a dry weight basis.

STORET		Minimum
CODE	PARAMETER	reporting limit
01097	Antimony	0.07 mg/L
01002	Arsenic	0.05 mg/L
01007	Barium	0.5 mg/L
01012	Beryllium	0.005 mg/L
01027	Cadmium	0.001 mg/L
01032	Chromium (hex) (grab not to exceed 24 hours)*	0.01 mg/L
01034	Chromium (total)	0.05 mg/L
01042	Copper	0.005 mg/L
00718	Cyanide (grab) *(available **** or amenable to chlorination)	5.0 ug/L
00720	Cyanide (total) (grab)	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 (effluent 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
01059	Thallium	0.3 mg/L
01092	Zinc	0.025 mg/L

Minimum reporting limits are defined as - (1) The minimum value below which data are documented as non-detects. (2) Three to ten times the method detection limit. (3) The minimum value of the calibration range.

All sample containers, preservatives, holding times, analyses, method detection limit determinations and quality assurance/quality control requirements shall be in accordance with 40 CFR 136.

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.

\* Influent and effluent only

\*\*1 ng/L = 1 part per trillion.

\*\*\*Utilize USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E, other approved methods may be used for influent (composite) and sludge.

\*\*\*\*USEPA Method OIA-1677.

- 2. The Permittee shall conduct an analysis for the one hundred and ten (110) organic priority pollutants identified in 40 CFR 122 Appendix D, Table II as amended. This monitoring shall be done annually and reported on monitoring report forms provided by the IEPA and shall consist of the following:
  - a. The influent and effluent shall be sampled and analyzed for the one hundred and ten (110) organic priority pollutants. The sampling shall be done during a day when industrial discharges are expected to be occurring at normal to maximum levels.

Samples for the analysis of acid and base/neutral extractable compounds shall be 24-hour composites.

Five (5) grab samples shall be collected each monitoring day to be analyzed for volatile organic compounds. A single analysis for volatile pollutants (Method 624) may be run for each monitoring day by compositing equal volumes of each grab sample directly in the GC purge and trap apparatus in the laboratory, with no less than one (1) mL of each grab included in the composite.

### **Special Conditions**

Wastewater samples must be handled, prepared, and analyzed by GC/MS in accordance with USEPA Methods 624 and 625 of 40 CFR 136 as amended.

b. The sludge shall be sampled and analyzed for the one hundred and ten (110) organic priority pollutants. A sludge sample shall be collected concurrent with a wastewater sample and taken as final sludge.

Sampling and analysis shall conform to USEPA Methods 624 and 625 unless an alternate method has been approved by IEPA.

- c. Sample collection, preservation and storage shall conform to approved USEPA procedures and requirements.
- 3. In addition, the Permittee shall monitor any new toxic substances as defined by the Clean Water Act, as amended, following notification by the IEPA or USEPA.
- 4. Permittee shall report any noncompliance with effluent or water quality standards in accordance with Standard Condition 12(f) of this Permit.
- 5. Analytical detection limits shall be in accordance with 40 CFR 136. Minimum detection limits for sludge analyses shall be in accordance with 40 CFR 503.
- D. Pretreatment Reporting

USEPA Region 5 is the Approval Authority for administering the pretreatment program in Illinois. All requests for modification of the pretreatment program elements should be submitted in redline/strikeout electronic format and must be sent to USEPA at r5npdes@epa.gov. Permittee shall upon notice from USEPA, modify any pretreatment program element found to be inconsistent with 40 CFR 403.

<u>SPECIAL CONDITION 10</u>. During January of each year the Permittee shall submit annual fiscal data regarding sewerage system operations to the Illinois Environmental Protection Agency/Division of Water Pollution Control/Compliance Assurance Section. The Permittee may use any fiscal year period provided the period ends within twelve (12) months of the submission date.

Submission shall be on forms provided by IEPA titled "Fiscal Report Form For NPDES Permittees".

SPECIAL CONDITION 11. The Permittee shall conduct biomonitoring of the effluent from Discharge Number(s) 001.

### **Biomonitoring**

- A. Acute Toxicity Standard definitive acute toxicity tests shall be run on at least two trophic levels of aquatic species (fish, invertebrate) representative of the aquatic community of the receiving stream. Testing must be consistent with <u>Methods for</u> <u>Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fifth Ed.)</u> <u>EPA/821-R-02-012.</u> Unless substitute tests are pre-approved; the following tests are required:
  - 1. Fish 96 hour static LC<sub>50</sub> Bioassay using fathead minnows (Pimephales promelas).
  - 2. Invertebrate 48-hour static LC<sub>50</sub> Bioassay using Ceriodaphnia.
- B. Testing Frequency The above tests shall be conducted using 24-hour composite samples unless otherwise authorized by the IEPA. Samples must be collected in the 18th, 15th, 12th, and 9th month prior to the expiration date of this Permit.
- C. Reporting Results shall be reported according to EPA/821-R-02-012, Section 12, Report Preparation, and shall be submitted to IEPA, Bureau of Water, Compliance Assurance Section within one week of receipt from the laboratory. Reports are due to the IEPA no later than the 16th, 13th, 10th, and 7th month prior to the expiration date of this Permit.
- D. Toxicity Should a bioassay result in toxicity to >20% of organisms test in the 100% effluent treatment, the IEPA may require, upon notification, six (6) additional rounds of monthly testing on the affected organism(s) to be initiated within 30 days of the toxic bioassay. Results shall be submitted to IEPA within (1) week of becoming available to the Permittee. Should any of the additional bioassays result in toxicity to >50% of organisms tested in the 100% effluent treatments, the Permittee shall immediately notify IEPA in writing of the test results.
- E. Toxicity Reduction Evaluation and Identification Should the biomonitoring program identify toxicity and result in notification by IEPA, the permittee shall develop a plan for toxicity reduction evaluation and identification. The plan shall be developed and implemented in accordance with <u>Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants</u>, EPA/833B-99/002, and shall include an evaluation to determine which chemicals have a potential for being discharged in the plant wastewater, a monitoring program to determine their presence or absence and to identify other compounds which are not being removed by treatment, and other measures as appropriate. The Permittee shall submit to the IEPA its plan within ninety (90) days following notification by the IEPA. The Permittee shall implement the plan within ninety (90) days of notification of the permittee above or other such date as is received by letter from IEPA.

#### **Special Conditions**

The IEPA may modify this Permit during its term to incorporate additional requirements or limitations based on the results of the biomonitoring. In addition, after review of the monitoring results and toxicity reduction evaluation, the IEPA may modify this Permit to include numerical limitations for specific toxic pollutants and additional whole effluent toxicity monitoring to confirm the results of the evaluation. Modifications under this condition shall follow public notice and opportunity for hearing.

<u>SPECIAL CONDITION 12</u>. Discharge Number 003 is an emergency high level outfall. Discharges from this outfall are prohibited. These prohibited discharges, if they occur, are subject to conditions A - E listed below.

(A) Definitions

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a discharge. Severe property damage does not mean economic loss caused by delays in production.

- (B) Notice
  - (1) Anticipated discharge. If the Permittee knows in advance of the need for a prohibited discharge from Discharge Number 003, it shall submit prior notice, if possible at least ten days before the date of the discharge.
  - (2) Unanticipated discharge. The Permittee shall submit notice of an unanticipated discharge as required in Standard Condition 12(f) of this Permit (24-hour notice).
- (C) Limitation on IEPA enforcement discretion. The IEPA may take enforcement action against a Permittee for prohibited discharges from Discharge Number 003, unless:
  - (1) Discharge was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (2) There was no feasible alternative to the discharge, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a discharge which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The Permittee submitted notices as required under Standard Condition 12(f) of this Permit.
- (D) Emergency discharges when discharging, shall be monitored daily by grab sample for BOD<sub>5</sub>. Suspended Solids and Fecal Coliform. The Permittee shall submit the monitoring results on Discharge Monitoring Report forms using one such form for each month in which discharging occurs. The Permittee shall specify the number of discharges per month that occur and shall report this number in the quantity daily maximum column. The Permittee shall report the highest concentration value of BOD<sub>5</sub>. Suspended Solids and Fecal Coliform discharged in the concentration daily maximum column.

(E) The above limitations on enforcement discretion apply only with respect to IEPA. They do not serve as a limitation on the ability of any other governmental agency or person to bring an enforcement action in accordance with the Federal Clean Water Act.

<u>SPECIAL CONDITION 13</u>. For the duration of this Permit, the Permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with average percent total solids analysis. The Permittee shall maintain adequate records of the quantities of sludge produced and have said records available for IEPA inspection. The Permittee shall submit to the IEPA, at a minimum, a semi-annual summary report of the quantities of sludge generated and disposed of, in units of dry tons or gallons (average total percent solids) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the IEPA by January 31 and July 31 of each year reporting the preceding January thru June and July thru December interval of sludge disposal operations.

Duty to Mitigate. The Permittee shall take all reasonable steps to minimize any sludge use or disposal in violation of this Permit.

Sludge monitoring must be conducted according to test procedures approved under 40 CFR 136 unless otherwise specified in 40 CFR 503, unless other test procedures have been specified in this Permit.

Planned Changes. The Permittee shall give notice to the IEPA on the semi-annual report of any changes in sludge use and disposal.

The Permittee shall retain records of all sludge monitoring, and reports required by the Sludge Permit as referenced in Standard Condition 23 for a period of at least five (5) years from the date of this Permit.

If the Permittee monitors any pollutant more frequently than required by the Sludge Permit, the results of this monitoring shall be included in the reporting of data submitted to the IEPA.

### **Special Conditions**

The Permittee shall comply with existing federal regulations governing sewage sludge use or disposal and shall comply with all existing applicable regulations in any jurisdiction in which the sewage sludge is actually used or disposed.

The Permittee shall comply with standards for sewage sludge use or disposal established under Section 405(d) of the CWA within the time provided in the regulations that establish the standards for sewage sludge use or disposal even if the permit has not been modified to incorporate the requirement.

The Permittee shall ensure that the applicable requirements in 40 CFR Part 503 are met when the sewage sludge is applied to the land, placed on a surface disposal site, or fired in a sewage sludge incinerator.

Monitoring reports for sludge shall be reported on the form titled "Sludge Management Reports" to the following address:

Illinois Environmental Protection Agency Bureau of Water Compliance Assurance Section Mail Code #19 1021 North Grand Avenue East Post Office Box 19276 Springfield, Illinois 62794-9276

<u>SPECIAL CONDITION 14</u>. 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 (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, includina registration information for the **NetDMR** program, can be obtained on the IEPA website. http://www.epa.state.il.us/water/net-dmr/index.html.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs 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

<u>SPECIAL CONDITION 15</u>. Modeling or field studies may be used to demonstrate the availability of a mixing zone and zone of initial dilution (ZID). The purpose of these optional studies is to define the dilution ratios present during 7Q10 low receiving stream flow conditions. Any report submitted to the IEPA should show effluent concentrations at various distances downstream of the effluent outfall, sufficient to demonstrate the areas of the mixing zone and ZID, during the observed or modeled low flow condition. The mixing regulations of 35 IAC 302.102 will then be used to determine if the conditions necessary for the Agency to grant a mixing zone and ZID are present. If the permittee intends to pursue this option, a study plan outlining the methodologies proposed to be used must be submitted for IEPA approval. The IEPA will review the submitted study results and may reopen and modify this Permit to eliminate or include revised effluent limitations based on the results of the collected data.

# **Special Conditions**

# SPECIAL CONDITION 16.

# Project Description: Compliance with Ammonia Nitrogen Water Quality Standards

Thirty six (36) months from the effective date of this Permit the following ammonia nitrogen (as N) limits shall become effective:

	Load Limits Ibs/day <u>DAF DMF)*</u>		Concentration Limits mg/L	
		Daily Maximum		Daily Maximum
March-May/SeptOct.		1647 (2965)		7.9
June-August		1731 (3115)		8.3
November-February		1564 (2815)		7.5

\*Load limits based on design maximum flow shall apply only when flow exceeds the design average flow.

The Permittee may choose to demonstrate the availability of a mixing zone and zone of initial dilution (ZID) as described in Special Condition 15 and submit the study results to the IEPA for review.

The Permittee shall complete the project described above in accordance with the following schedule:

(A)	Interim Report on ammonia reductions to date and what measures are necessary to comply with Final Ammonia Nitrogen Limitations	6 months from the effective date of this Permit
(B)	Preliminary Report on construction of ammonia facilities	12 months from the effective date of this Permit
(C)	Plans and specifications	18 months from the effective date of this Permit
(D)	Commence Construction	24 months from the effective date of this Permit
(E)	Interim Report	30 months from the effective date of this Permit
(F)	Permittee Achieves Compliance with Final Ammonia Nitrogen Effluent Limitations	36 months from the effective date of this Permit

Should a mixing zone and zone of initial dilution be obtained by the Permittee, this Permit may be modified to remove this Special Condition. Such modification shall include Public Notice and the Opportunity for public hearing

This Permit may be modified, with Public Notice, to include revised compliance dates set out in this Permit.

In addition, the IEPA may initiate a modification of the construction schedule set forth in this Permit at any time, to include other dates which are necessary to carry out the provisions of the Illinois Environmental Protection Act, the Federal Clean Water Act or regulations promulgated under those Acts or compliance dates which have been submitted in writing by the Permittee and approved by the IEPA. Public Notice of such modifications and opportunity for public hearing shall be provided consistent with 40 CFR § 122.63.

### **REPORTING**

The Permittee shall submit progress reports for items A, B, D, E, and F in the compliance schedule, indicating, a) the date the item was completed, or b) that the item was not completed. All reports shall be submitted to <u>IEPA</u> at the following address:

Illinois Environmental Protection Agency Attention: Compliance Assurance Section, Mail Code # 19 Division of Water Pollution Control 1021 North Grand Avenue East Post Office box 19276 Springfield, Illinois 62794-9276

### **Special Conditions**

<u>SPECIAL CONDITION 17</u>. The dissolved oxygen limits on Page 2 of the Permit shall become effective two (2) years from the effective date of this Permit.

The Permittee shall construct dissolved oxygen equipment in accordance with the following schedule:

Α.	Progress Report	6 months from effective date of permit
В.	Monitoring Report submitted to IEPA	12 months from effective date of permit
C.	Progress Report	18 months from effective date of permit
D.	Obtain Operational Level	24 months from effective date of permit

This Permit may be modified, with Public Notice, to include revised compliance dates set out in this Permit.

Reporting shall be submitted on the DMR's on a monthly basis.

# REPORTING

The Permittee shall submit progress reports for items A, C and D of the compliance schedule indicating: a) the date the item was completed, or b) that the item was not completed, the reasons for non-completion and the anticipated completion date to the Agency Compliance Section.

### SPECIAL CONDITION 18.

The Permittee shall develop, implement and submit to the IEPA a Capacity, Management, Operations, and Maintenance (CMOM) plan within twelve (12) months of the effective date of this Permit. The plan shall be consistent with the USEPA document "Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems" (305-B-05-002). The Permittee should work, as appropriate, in consultation with affected authorities at the local, county and/or state level to develop the plan components involving third party notification of overflow events. The Permittee may be required to construct additional sewage transport and/or treatment facilities in future permits or other enforceable documents should the implemented CMOM plan indicate that the Permittee's facilities are not capable of conveying and treating the flow for which they were designed.

The CMOM plan shall include the following elements:

- A. Measures and Activities:
  - 1. A complete map of the collection system owned and operated by the Permittee;
  - 2. Schedules, checklists, and mechanisms to ensure that preventative maintenance is performed on equipment owned and operated by the Permittee;
  - 3. An assessment of the capacity of the collection and treatment system owned and operated by the Permittee at critical junctions and immediately upstream of locations where overflows and backups occur or are likely to occur; and
  - 4. Identification and prioritization of structural deficiencies in the system owned and operated by the Permittee.
- B. Design and Performance Provisions:
  - 1. Monitor the effectiveness of CMOM;
  - 2. Upgrade the elements of the CMOM plan as necessary; and,
  - 3. Maintain a summary of CMOM activities.
- C. Overflow Response Plan:
  - 1. Know where overflows within the facilities owned and operated by the Permittee occur;
  - 2. Respond to each overflow to determine additional actions such as clean up; and
  - 3. Establish agreements with all contributing jurisdictions, as necessary, to control sources of infiltration and inflow.
- D. System Evaluation Plan.
- E. Reporting and Monitoring Requirements.
- F. Project implementation Schedule.
- G. Third Party Notice Plan:

#### **Special Conditions**

- 1. Describes how under various overflow scenarios, the public as well as other entities, would be notified of overflows within the Permittee's system that may endanger public health, safety or welfare;
- 2. Identifies overflows within the Permittee's system that would be reported, giving consideration to various types of events including events with potential widespread impacts;
- 3. Identifies who shall receive the notification;
- 4. Identifies the specific information that would be reported including actions that will be taken to respond to the overflow;
- 5. Includes a description of the lines of communication; and
- 6. Includes the identities and contact information of responsible POTW officials and local, county and/or state level officials.

SPECIAL CONDITION 19. The provisions of 40 CFR Section 122.41 (m) & (n) are incorporated herein by reference.

<u>SPECIAL CONDITION 20</u>. This Permit may be modified to include alternative or additional final effluent limitations pursuant to an approved Total Maximum Daily Load (TMDL) Study or upon completion of an alternate water quality study.

<u>SPECIAL CONDITION 21</u>. The Permittee shall prepare and implement a plan to identify and evaluate the feasibility of alternatives to prevent and eliminate discharges from the equalization basin and to provide an economic analysis evaluating the economic impact that would result from implementing the alternatives evaluated. The plan shall consider all feasible alternatives to prevent and eliminate discharges including, individually and in combination, the elimination of infiltration and/or inflow into the upstream collection systems, improved operational measures, increasing the current capacity of the equalization basin, and/or increasing the capacity and effectiveness of the wastewater treatment system. Evaluation of the financial feasibility of each alternative evaluated shall be completed consistent with the USEPA document "Combined Sewer Overflow – Guidance for Financial Capability Assessment and Schedule Development" (832-B-97-004). A Final Analysis Report identifying all feasible alternatives for reducing and eliminating discharges shall be submitted within two (2) years from the effective date of this permit and submitted to the IEPA to the below address for approval with a copy provided to EPA, at the address below. The Final Analysis Report must also include a project implementation schedule with project completion dates that are as expeditious as possible, and provide an estimate of the expected results of the project completion.

The Permittee shall submit the analysis described above in accordance with the following schedule:

A. Progress Report	6 months from effective date of permit
<ul> <li>B. Interim Report on System Characterization Ar Capability Analysis (FCA)</li> </ul>	nd Financial 12 months from effective date of permit
C. Interim Report of Evaluation of Alternatives an Measures to Reduce and Eliminate Bypasse FCA	
D. Final Analysis Report	24 months from effective date of permit

All reports shall be submitted to 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

A copy of the Final Report shall be provided to EPA at the following address:

U.S. Environmental Protection Agency Region V 77 West Jackson Blvd. Chicago, Illinois 60604 Attention: NPDES Programs Branch WN-16