

NPDES Permit No. IL0048259

Notice No. AAH:11071401.bah

Public Notice Beginning Date: **August 26, 2011**

Public Notice Ending Date: **September 26, 2011**

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:

Village of Winslow  
P.O. Box 8  
Winslow, Illinois 61089

Name and Address of Facility:

Village of Winslow - WWTP  
Woodman Avenue  
Winslow, Illinois  
(Stephenson 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 Abel Haile 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 wastewater for the Village of Winslow.

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, Pecatonica River is 183 cfs.

The design average flow (DAF) for the existing facility is 0.047 million gallons per day (MGD) and the design maximum flow (DMF) for the existing facility is 0.117 MGD. The existing treatment plant consists of screening, contact stabilization-package plant, sludge handling facilities, and chlorination. The design average flow (DAF) for the proposed facility is 0.055 million gallons per day (MGD) and the design maximum flow (DMF) for the proposed facility is 0.137 MGD. The proposed new treatment plant consists of screening, two-cell aerated lagoons with rock filter, and chlorination.

This Reissued Permit increases the facility's DAF, DMF, concentration limits, and/or load limits.

Pursuant to the waiver provisions authorized by 40 CFR § 123.24, this draft permit is within the class, type, and size for which the Regional Administrator, Region V, has waived his right to review, object, or comment on this draft permit action.

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

Discharge Number	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Pecatonica River	42° 49' 02" North	89° 47' 30" West	General Use	"C"

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

The stream segment(s) receiving the discharge from outfall(s) 001 is on the 303(d) list of impaired waters.

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

Potential Causes	Uses Impaired
PCBs	Fish Consumption

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 WWTP Outfall (Existing Plant)

Load limits computed based on a design average flow (DAF) of 0.047 MGD (design maximum flow (DMF) of 0.117 MGD).

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

Parameter	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			Regulation
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	
CBOD <sub>5</sub>	9.8 (24)	16 (39)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids	12 (29)	18 (44)		30	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform	Daily Maximum shall not exceed 400 per 100 mL (May through October)						35 IAC 304.121
Chlorine Residual						0.75	35 IAC 302.208

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

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 WWTP Outfall (Proposed Plant)

Load limits computed based on a design average flow (DAF) of 0.055 MGD (design maximum flow (DMF) of 0.137 MGD).

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

Parameter	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			Regulation
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	
CBOD <sub>5</sub>	11 (29)	18 (46)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids	17 (42)	21 (51)		37	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform	Daily Maximum shall not exceed 400 per 100 mL (May through October)						35 IAC 304.121
Chlorine Residual						0.75	35 IAC 302.208

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

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. 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.
7. The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.
8. Effluent sampling point location.
9. At minimum of 85% removal of CBOD<sub>5</sub> and suspended solids.
10. Seasonal fecal coliform limits.
11. Submission of annual fiscal data.
12. Submission of semi annual reports indicating the quantities of sludge generated and disposed (existing plant only).
13. Notify Agency of plant completion.
14. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
15. Zone of initial dilution and mixing zone dimensions.

**Antidegradation Assessment**  
**NPDES Permit No. IL0048259**

The subject facility is proposing to expand their design average flow (DAF) from 0.047 MGD to 0.055 MGD. The facility is proposing to replace their contact stabilization package plant with a lagoon system and rock filter. The package plant, now over 34 years old, has reached its expected useful life. Although its effluent is currently within permit limits, the operator has made numerous and costly repairs over the past few years. Much of the package plant is beyond further reasonable repair and should be replaced. An inspection of the plant found significant deterioration in the above-water fixtures and components of the aeration basins, but more critically the basins themselves.

The current population was 345 in 2000 and, based upon the analysis performed by the consultant; the projected residential population will be 500 in 2020. The increased DAF will provide treatment capacity for some growth, provide a small cushion for industrial development if such occurs, and allow an unsewered area east of the Pecatonica River to be served.

The information in this antidegradation assessment came from the February 2006 Facility Plan prepared by Fehr-Graham & Associates which was revised December 2006, and December 2010, and finally on February 4, 2011, in a letter from Matthew Campbell of Fehr-Graham & Associates.

**Identification and Characterization of the Affected Water Body.**

The subject facility discharges to the Pecatonica River at a point where 183.0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The Pecatonica River is classified as a General Use Water. The Pecatonica River is not listed as a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System* at this location, however, it is rated a "C" stream using IDNR's integrity rating system at this location. The Pecatonica River, Waterbody Segment, PW-07, is listed on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for fish consumption use with potential cause given as polychlorinated biphenyls. Aquatic life use is fully supported. This segment of the Pecatonica River is not subject to enhanced dissolved oxygen standards.

**Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.**

The treated domestic waste that characterizes this proposed effluent would be similar to other treated effluents of largely domestic origin. Given the dilution capacity of the Pecatonica River relative to the design flows of the treatment plant, the ammonia nitrogen effluent concentration does not have a potential to exceed the acute and chronic ammonia standards. Therefore, ammonia nitrogen effluent limits are not recommended for this plant. The current permit does not have ammonia limits, therefore, it is unknown if ammonia loading to the receiving stream will increase over existing background levels. Biochemical oxygen demand (BOD) permit limits will be set in accordance with 35 IAC 304.120 effluent standards for this type of treatment plant. The stream will nonetheless experience an increase in loading in BOD as the expanded effluent discharge will be allowed an average of 11 lbs/day, up from the currently allowed level of 9.8 lbs/day. A dissolved oxygen model was not required for this facility because of the large dilution available.

Additionally, loading of nutrients will increase to the receiving stream as a result of this effluent. The Agency is developing state water quality standards that will formulate the basis for future nutrient management strategies. Upon adoption of state standards and development of a management strategy, there may be nutrient reduction requirements imposed on this source. At the present time however, the incremental nutrient loading anticipated to result from this project is not expected to increase algae or other noxious plant growth, diminish the present aquatic community or otherwise aggravate existing stream conditions. Therefore no permit limits for nutrients are recommended at this time. The Illinois Nutrient Standards Workgroup has been convened to develop nutrient standards and will strive to keep NPDES permitted dischargers aware of its findings, allowing them to anticipate future nutrient permit limits.

**Fate and Effect of Parameters Proposed for Increased Loading.**

The BOD and ammonia discharged by this facility will decay into simpler and harmless byproducts by naturally occurring organisms in the receiving stream. Some of the nitrogen originating in the ammonia will remain in the stream in the form of nitrates or organic nitrogen. The nutrients discharged will be absorbed by aquatic or riparian terrestrial plants or will remain in the stream.

**Purpose and Social & Economic Benefits of the Proposed Activity.**

The proposed project will be able to continue to provide centralized treatment facilities for the Village and upgrade Winslow's existing treatment system and allow an unsewered area east of the Pecatonica River to be served.

**Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation.**

The Facilities Plan investigated regionalization with the closest plant, Lena; however, since Lena was 8 miles away, it was determined to not be cost effective.

The Facilities Plan investigated treatment and reuse; however, since there are no significant users for treated wastewater, the alternative was not considered further.

The Facilities Plan investigated subsurface discharge. Subsurface discharge is not practical because of high groundwater and unsuitable soil conditions (clayey soils).

The Facilities Plan investigated the feasibility of land application; however, it was determined to be not cost effective.

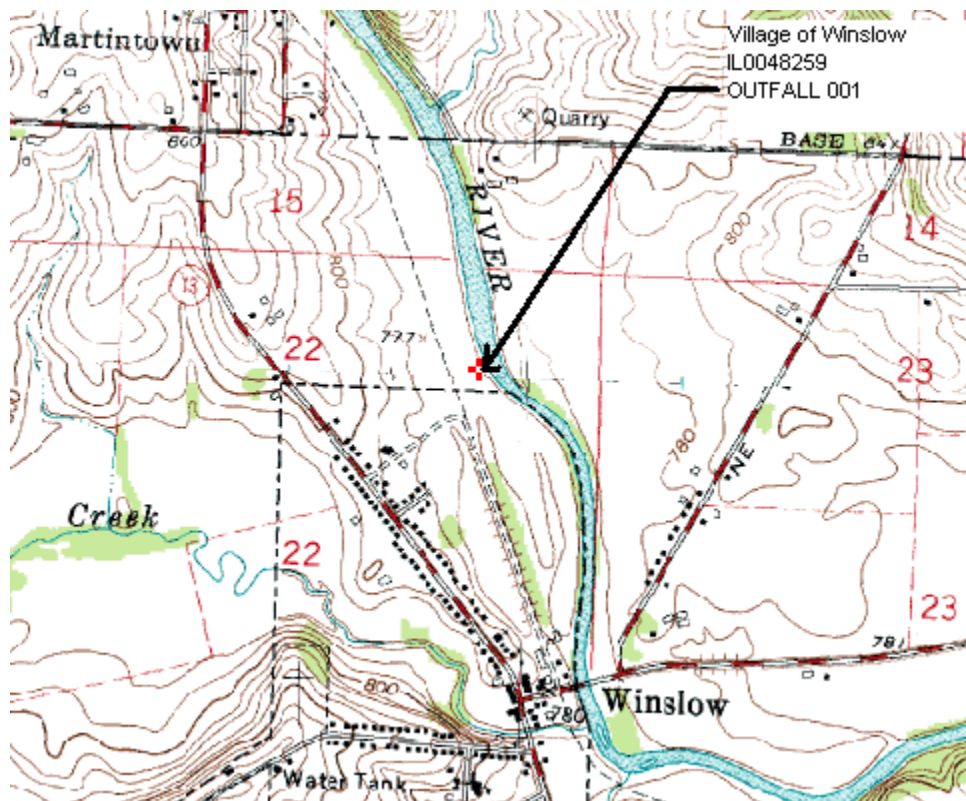
The facility determined that the cost of the proposed lagoon is on the borderline of incurring a significant impact on the residents of Winslow and noted, "Given the small number of homes within the Village, it is safe to assume that adding nutrient removal to this project will move the preliminary screener score from 1.8 to over 2.0, thus yielding a substantial impact according to the Assessment of Substantial Impacts Matrix." In accordance with the *Interim Economic Guidance for Water Quality Standards – Workbook* (EPA-823-B-95-002), published by USEPA, dated March 1995, the addition of nutrient removal would represent a substantial impact and an undue financial burden on the Village residents.

**Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities.**

On December 22, 2010, the IDNR EcoCAT web-based tool was used and indicated that there were endangered/threatened species present in the vicinity of the discharge. The IDNR EcoCAT web-based tool did not terminate the consultation because of the nearby presence of Gravel Chub (*Erimystax x-punctatus*) and wetlands. IDNR evaluated the submittal and determined that impacts to the protected resources are unlikely, but noted that strict erosion control measures are required and asked that the applicant look for Ornate Box Turtles before moving soil. IDNR terminated the consultation request on December 29, 2010.

**Agency Conclusion.**

This preliminary assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard) and was based on the information available to the Agency at the time the draft permit was written. We tentatively find that the proposed activity will result in the attainment of water quality standards; that all existing uses of the receiving stream will be maintained; that all technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity; and that this activity will benefit the community at large by will be able to continue to provide centralized treatment facilities for the Village and upgrade Winslow's existing treatment system and allow an unsewered area east of the Pecatonica River to be served. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.



NPDES Permit No. IL0048259

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:

Village of Winslow  
P.O. Box 8  
Winslow, Illinois 61089

Facility Name and Address:

Village of Winslow - WWTP  
Woodman Avenue  
Winslow, Illinois  
(Stephenson County)

Receiving Waters: Pecatonica 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

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NPDES Permit No. IL0048259

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 01 WWTP Outfall (Existing Plant)

Load limits computed based on a design average flow (DAF) of 0.047 MGD (design maximum flow (DMF) of 0.117 MGD).

Excess flow facilities (if applicable) shall not be utilized until the main treatment facility is receiving its maximum practical flow.

From the effective date of this Permit until the completion and start of operation of the proposed new treatment plant or expiration date whichever comes first, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)*</u>			<u>CONCENTRATION</u> <u>LIMITS mg/L</u>			<u>Sample</u> <u>Frequency</u>	<u>Sample</u> <u>Type</u>
	<u>Monthly</u> <u>Average</u>	<u>Weekly</u> <u>Average</u>	<u>Daily</u> <u>Maximum</u>	<u>Monthly</u> <u>Average</u>	<u>Weekly</u> <u>Average</u>	<u>Daily</u> <u>Maximum</u>		
Flow (MGD)							Continuous	
CBOD <sub>5</sub> **	9.8 (24)	16 (39)		25	40		1 Day/Month	Composite
Suspended Solids	12 (29)	18 (44)		30	45		1 Day/Month	Composite
pH	Shall be in the range of 6 to 9 Standard Units						1 Day/Month	Grab
Fecal Coliform***	Daily Maximum shall not exceed 400 per 100 mL (May through October)						1 Day/Month	Grab
Chlorine Residual***						0.75	1 Day/Month	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 10.

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.

NPDES Permit No. IL0048259

Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 001 WWTP Outfall (Proposed Plant)

Load limits computed based on a design average flow (DAF) of 0.055 MGD (design maximum flow (DMF) of 0.137 MGD).

Excess flow facilities (if applicable) shall not be utilized until the main treatment facility is receiving its maximum practical flow.

From the completion and start of operation of the proposed new treatment plant until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)*</u>			<u>CONCENTRATION</u> <u>LIMITS mg/L</u>			<u>Sample</u> <u>Frequency</u>	<u>Sample</u> <u>Type</u>
	<u>Monthly</u> <u>Average</u>	<u>Weekly</u> <u>Average</u>	<u>Daily</u> <u>Maximum</u>	<u>Monthly</u> <u>Average</u>	<u>Weekly</u> <u>Average</u>	<u>Daily</u> <u>Maximum</u>		
Flow (MGD)							Continuous	
CBOD <sub>5</sub> **	11 (29)	18 (46)		25	40		1 Day/Month	Grab
Suspended Solids	17 (42)	21 (51)		37	45		1 Day/Month	Grab
pH	Shall be in the range of 6 to 9 Standard Units						1 Day/Month	Grab
Fecal Coliform***	Daily Maximum shall not exceed 400 per 100 mL (May through October)						1 Day/Month	Grab
Chlorine Residual***						0.75	1 Day/Month	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 10.

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.



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Influent Monitoring, and Reporting

The influent to the plant shall be monitored as follows:

<u>Parameter</u>	<u>Sample Frequency</u>	<u>Sample Type</u>
Flow (MGD)	Continuous	
BOD <sub>5</sub>	1 Day/Month	Composite
Suspended Solids	1 Day/Month	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.

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

Special Conditions

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

SPECIAL CONDITION 2. The use or operation of the existing facility shall be by or under the supervision of a Certified Class 2 operator. The proposed plant shall be operated or be under the supervision of a Certified Class 4 operator.

SPECIAL CONDITION 3. 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.

SPECIAL CONDITION 4. The IEPA may request more frequent monitoring by permit modification pursuant to 40 CFR § 122.63 and Without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.

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

SPECIAL CONDITION 6. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

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

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

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th 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 7. The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

SPECIAL CONDITION 8. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 9. Final Conditions - For Discharge No. 001 BOD<sub>5</sub> and Suspended Solids (85% removal required): The arithmetic mean of the values for effluent samples collected in a period of one calendar month shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same time during the same period, except during those periods when the influent is diluted because of high flows if the tributary sewer system is combined. The percent removal need not be reported to the IEPA on DMR's 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.

SPECIAL CONDITION 10. 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 11. 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 Conditions

SPECIAL CONDITION 12. For the duration of this Permit (for the Existing Plant Only), 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.

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

SPECIAL CONDITION 13. The Permittee shall notify the IEPA in writing once the treatment plant expansion has been completed. A letter stating the date that the expansion was completed shall be sent to the following address within fourteen (14) days of the expansion becoming operational:

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

SPECIAL CONDITION 14. 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.

SPECIAL CONDITION 15. A zone of initial dilution (ZID) is recognized for ammonia and chlorine with dimensions of 1.1 feet across the width of the river from the end-of-pipe and 1.6 feet downstream from this point. Within the ZID, 38.5:1 dilution is afforded. A mixing zone is recognized with dimensions extending 2.8 feet across the width of the river and 2.8 feet downstream. Within the mixing zone, 67.2:1 dilution afforded.

