

NPDES Permit No. IL0022721

Notice No. FRB:09022501.bah

Public Notice Beginning Date: **April 8, 2014**

Public Notice Ending Date: **May 8, 2014**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

PUBLIC NOTICE/FACT SHEET
of
Draft Modified 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 Permittee:

Village of Forreston
505 E. Green Street
Forreston, Illinois 61030

Name and Address of Facility:

Village of Forreston STP
505 E. Green Street
Forreston, Illinois 61030
(Ogle 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 Permittee. 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 wastewater for the Village of Forreston.

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, unnamed tributary to Leaf River, is 0 cfs.

The design average flow (DAF) for the existing facility is 0.23 million gallons per day (MGD) and the design maximum flow (DMF) for the existing facility is 0.575 MGD. Treatment consists of screening, comminution, activated sludge, settling, polishing lagoons, aerobic digester and sludge drying beds.

The design average flow (DAF) for the proposed facility is 0.30 million gallons per day (MGD) and the design maximum flow (DMF) for the proposed facility is 0.75 MGD. Treatment consists of screening, comminution, activated sludge, settling, polishing lagoons, aerobic digester and sludge drying beds.

This modified NPDES Permit does increase 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.

This Permit recognizes and continues the year-round disinfection exemption approved by the IEPA on November 15, 1990 and included in past NPDES permit actions since that date. It is the IEPA's tentative decision that under Illinois Pollution Control Board regulations, the following reach of waterbody is not classified for primary contact use activities and is not subject to the fecal coliform water quality standard of 35 Ill. Adm. Code 302.209.

This draft permit does not contain requirements for disinfection of the discharge from discharge number(s) 001. The unnamed tributary of Leaf River from the facility discharge in Section 28, T25N, R8E, to a point 100 feet downstream has been determined to be unsuited to support primary contact activities (swimming) due to physical, hydrologic or geographic configuration. Anyone knowing of primary contact activities occurring within this water segment is invited to submit comments to the IEPA. Comments should give the nature of the activities (i.e swimming, fishing, canoeing, etc.), the location and months of the year when these activities have been observed. The IEPA is also interested in obtaining information on the proximity of residential dwellings and the accessibility of the public to this water segment. Anyone with such information is asked to submit comments to the IEPA on this draft permit action. Instructions for submitting comments are contained earlier in this document.

The IEPA will accept comments on the following draft modifications to the Permit:

1. The Village of Forreston STP will be expanded from a DAF of 0.23 MGD and DMF of 0.575 MGD to a proposed DAF of 0.30 MGD and DMF of 0.75 MGD.
2. Special Condition 9 was added in accordance with the requirements of 40 CFR Part 133.

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

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Biological Stream Characterization
001	Unnamed Tributary to Leaf River	42° 07' 57" North	89° 34' 26" West	General Use	Not Rated

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 (are) not on the 303 (d) list of impaired waters.

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 (Existing Facility)

Load limits computed based on a design average flow (DAF) of 0.23 MGD (design maximum flow (DMF) of 0.575 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 ₅	48 (120)	77 (192)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids	71 (177)	86 (216)		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	Monitor Only (May through October)						35 IAC 309.143
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen: March-May/Sept.-Oct. June-August Nov.-Feb.	2.9 (7.2) 2.5 (6.2) 7.7 (19)	7.3 (18) 6.3 (16) ---	8.1 (20) 12 (31) 11 (27)	1.5 1.3 4.0	3.8 3.3 ---	4.2 6.4 5.7	35 IAC 355 and 35 IAC 302
				Monthly Average not less than	Weekly Average not less than	Daily Minimum	
Dissolved Oxygen March-July August-February				-- 5.5	6.0 4.0	5.0 3.5	35 IAC 302.206

*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 STP Outfall (Proposed Facility)

Load limits computed based on a design average flow (DAF) of 0.30 MGD (design maximum flow (DMF) of 0.75 MGD).

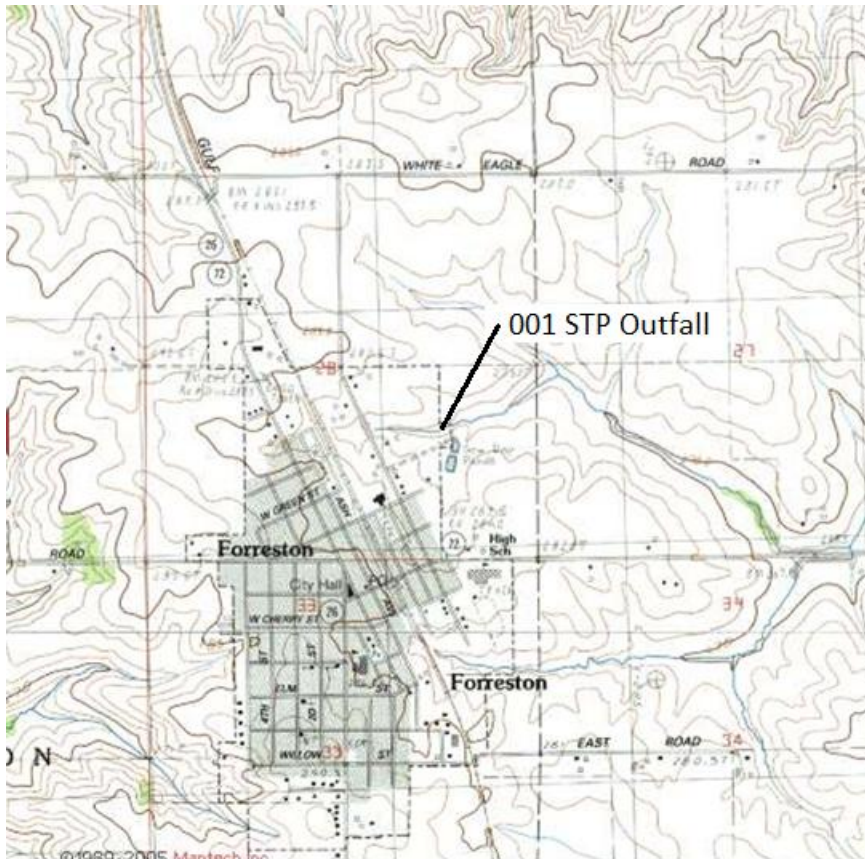
The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

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 ₅	25 (63)		50 (125)	10		20	35 IAC 304.120 40 CFR 133.102
Suspended Solids	30 (75)		60 (150)	12		24	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	Monitor Only (May through October)						35 IAC 309.143
Chlorine Residual						0.05	35 IAC 302.208
Phosphorus (as P)	Monitor Only						35 IAC 309.146
Total Nitrogen	Monitor Only						35 IAC 309.146
Ammonia Nitrogen: March-May/Sept.-Oct. June-August Nov.-Feb.	3.8 (9.4) 3.3 (8.1) 9.8 (24)	9.5 (24) 8.3 (21) ---	11 (26) 16 (40) 14 (36)	1.5 1.3 3.9	3.8 3.3 ---	4.2 6.4 5.7	35 IAC 355 and 35 IAC 302
				Monthly Average not less than	Weekly Average not less than	Daily Minimum	
Dissolved Oxygen March-July August-February				-- 5.5	6.0 4.0	5.0 3.5	35 IAC 302.206

*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 incorporated herein by reference.
8. Effluent sampling point location.
9. At minimum of 85% removal of CBOD₅ and suspended solids.
10. Controlling the sources of infiltration and inflow into the sewer system.
11. A requirement to monitor and a limit of 0.05 mg/L for residual chlorine when it is used.
12. Submission of annual fiscal data.
13. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
14. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
15. Notify IEPA upon completion of the expanded STP.
16. Submit an application for a year-round disinfection exemption one year after the proposed STP has been in operation.



Village of Forreaston STP
NPDES Permit No. IL0022721
Ogle County

**Antidegradation Assessment for Forreaston STP
NPDES Permit No. IL0022721 Ogle County**

The subject facility has applied for an NPDES permit for an upgraded treatment plant. The existing plant has a DAF of 0.23 MGD. Because the existing facility is at the end of its useful life, extensive upgrades must be made. The design average flow of the plant will be increased to 0.3 MGD to account for full treatment of flows already received by the plant. Some increase in population is also expected. Upgrades to the plant will include replacement of: grit removal equipment, center pivot equipment for the clarifiers, a new secondary clarifier, sludge dewatering equipment and the installation of fine bubble aeration systems in the existing aeration tanks.

Identification and Characterization of the Affected Water Body.

An unnamed tributary (also known as Forreaston Creek; no segment code) to Leaf River is the receiving stream for this effluent. This is a General Use water and has a 7Q10 flow of zero cfs at this location. The unnamed tributary flows for approximately three miles before its confluence with Leaf River. The unnamed tributary is not assessed in the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List. Leaf River at the confluence of the unnamed tributary is listed as fully supporting aquatic life use in that document. The unnamed tributary 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*, nor is it given an integrity rating at this location. The unnamed tributary is not designated as an enhanced water pursuant to the dissolved oxygen water quality standard.

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

The upgrades to be accomplished will allow the lowest BOD and TSS limits prescribed by the Illinois Pollution Control Board (IPCB) to be met and these will be included in the permit. Therefore, BOD and TSS loading will not increase in the expanded facility. The new facility will have a design average flow that is 30% higher than the existing plant and therefore increased loading of phosphorus, nitrogen and ammonia is expected to be 30% higher. Given that the new plant will consistently produce a high quality effluent, this extent of loading may not be realized. Water quality standards will be met and no adverse impact on the receiving stream is anticipated.

Fate and Effect of Parameters Proposed for Increased Loading.

The 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. Ammonia and dissolved oxygen standards will not be exceeded by this discharge. Phosphorus and nitrates will remain in the receiving stream apart from that portion absorbed by aquatic life. No adverse effect is anticipated from the upgraded plant.

Purpose and Social & Economic Benefits of the Proposed Activity.

The existing treatment plant is at the end of its useful life and has numerous problems consistently treating the community's sewage. The new plant will allow these problems to be eliminated, making sewage treatment more efficient while accommodating future growth in the community.

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

The plans for construction of a nitrifying treatment plant are consistent with appropriate technology for this size and type of project. The existing treatment system is being upgraded and the option to repair, improve and expand the existing plant was determined to be the most affordable alternative for the community. This represents an economically reasonable design taking into consideration both initial capital costs and ongoing maintenance expenses. Viable alternatives to the selected treatment process do not exist for this project.

The community considered abandoning most of the existing plant in favor of building an oxidation ditch. While this option would allow nutrient removal, the cost was above the favored option. USEPA's Interim Guidance for Water Quality Standards was consulted to determine the affordability of the oxidation ditch design. The result of the affordability analysis was that this project was beyond the financial means of the community and therefore was not further considered.

Likewise, another nutrient-removing option was considered; a Smith and Loveless Model R Oxygest Package Plant. This option was more costly than the oxidation ditch and therefore was also deemed to be not affordable to the community in the affordability analysis.

The nearest community with a sewage treatment plant to consider for regionalization is Leaf River, which is over nine miles away. The Leaf River system lacks the capacity to accept Forrester's effluent. The cost of transporting the effluent is also prohibitive.

Land application was also considered. Transporting the effluent to an area of suitable land would mean that an expensive force main would need to be constructed. An 11 acre storage lagoon would also be needed. Land application was rejected due to cost.

The proposed treatment plant is unable to meet a phosphorus concentration of 1 mg/L. The Village's engineering firm (Fehr Graham) evaluated the costs to include chemical addition and determined that phosphorus removal would have a "large impact" on the community and is therefore considered unaffordable.

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

The Illinois Department of Natural Resources was consulted regarding threatened and endangered species issues via the EcoCAT system on October 29, 2012. No threatened or endangered species concerns exist and consultation was terminated.

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 providing adequate sewage treatment for the future. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.

NPDES Permit No. IL0022721

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

Modified (NPDES) Permit

Expiration Date: **September 30, 2015**

Issue Date: **September 29, 2010**

Effective Date: **October 1, 2010**

Modification Date:

Name and Address of Permittee:

Village of Forreston
505 E. Green Street
Forreston, Illinois 61030

Facility Name and Address:

Village of Forreston STP
505 E. Green Street
Forreston, Illinois 61030
(Ogle County)

Receiving Waters: Unnamed tributary to Leaf 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:09022501.bah

NPDES Permit No. IL0022721

Effluent Limitations, Monitoring, and Reporting

FINAL

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

Load limits computed based on a design average flow (DAF) of 0.23 MGD (design maximum flow (DMF) of 0.575 MGD).

From the modification date of this Permit until the start of operation of the proposed 0.30 MGD STP or expiration date, whichever comes first, 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			Sample Frequency	Sample Type
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum		
Flow (MGD)							Continuous	***RIT
CBOD ₅ **	48 (120)	77 (192)		25	40		1 Day/Week	Composite
Suspended Solids	71 (177)	86 (216)		37	45		1 Day/Week	Composite
pH	Shall be in the range of 6 to 9 Standard Units						1 Day/Week	Grab
Fecal Coliform****	Monitor Only (May through October)						1 Day/Month	Grab
Chlorine Residual						0.05	*****	Grab
Ammonia Nitrogen as (N)								
March-May/Sept.-Oct.	2.9 (7.2)	7.3 (18)	8.1 (20)	1.5	3.8	4.2	1 Day/Week	Composite
June-August	2.5 (6.2)	6.3 (16)	12 (31)	1.3	3.3	6.4	1 Day/Week	Composite
Nov.-Feb.	7.7 (19)	---	11 (27)	4.0	---	5.7	1 Day/Week	Composite
				Monthly Average not less than	Weekly Average not less than	Daily Minimum		
Dissolved Oxygen								
March-July				--	6.0	5.0	1 Day/Week	Grab
August-February				5.5	4.0	3.5	1 Day/Week	Grab

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

**Carbonaceous BOD₅ (CBOD₅) testing shall be in accordance with 40 CFR 136.

***Recording, Indicating, Totalizing.

****Fecal Coliform monitoring shall be performed May through October with sampling results reported on the DMR as a daily maximum.

*****See Special Condition 11.

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

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

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

NPDES Permit No. IL0022721

Effluent Limitations, Monitoring, and Reporting

FINAL

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

Load limits computed based on a design average flow (DAF) of 0.30 MGD (design maximum flow (DMF) of 0.75 MGD).

From the completion and start of operation of the proposed facility until the expiration date, 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			Sample Frequency	Sample Type
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum		
Flow (MGD)							Continuous	***RIT
CBOD ₅ **	25 (63)		50 (125)	10		20	2 Days/Week	Composite
Suspended Solids	30 (75)		60 (150)	12		24	2 Days/Week	Composite
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Week	Grab
Fecal Coliform****	Monitor Only (May through October)						1 Day/Month	Grab
Chlorine Residual						0.05	*****	Grab
Phosphorus (as P)	Monitor Only						1 Day/Month	Composite
Total Nitrogen	Monitor Only						1 Day/Month	Composite
Ammonia Nitrogen as (N)								
March-May/Sept.-Oct.	3.8 (9.4)	9.5 (24)	11 (26)	1.5	3.8	4.2	2 Days/Week	Composite
June-August	3.3 (8.1)	8.3 (21)	16 (40)	1.3	3.3	6.4	2 Days/Week	Composite
Nov.-Feb.	9.8 (24)	---	14 (36)	3.9	---	5.7	2 Days/Week	Composite
				Monthly Average not less than	Weekly Average not less than	Daily Minimum		
Dissolved Oxygen								
March-July				--	6.0	5.0	2 Days/Week	Grab
August-February				5.5	4.0	3.5	2 Days/Week	Grab

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

**Carbonaceous BOD₅ (CBOD₅) testing shall be in accordance with 40 CFR 136.

***Recording, Indicating, Totalizing.

****Fecal Coliform monitoring shall be performed May through October with sampling results reported on the DMR as a daily maximum.

*****See Special Condition 11.

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.

Phosphorus and Total Nitrogen shall be reported on the DMR as a 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 ₅	1 Day/Week	Composite
Suspended Solids	1 Day/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.

BOD₅ and Suspended Solids shall be reported on the DMR as a monthly average concentration.

*When the proposed 0.30 MGD treatment facility is completed and becomes operational the sample frequency shall be increased to 2 Days/Week.

NPDES Permit No. IL0022721

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 this facility shall be by or under the supervision of a Certified Class 2 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 (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including 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

SPECIAL CONDITION 7. The provisions of 40 CFR Section 122.41(m) & (n) are incorporated herein 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 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. 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 CBOD₅ concentration to determine the effluent BOD₅ concentration.

SPECIAL CONDITION 10. 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.

SPECIAL CONDITION 11. For Discharge No. 001, any use of chlorine to control slime growths, odors or as an operational control, etc. shall not exceed the limit of 0.05 mg/L (daily maximum) total residual chlorine in the effluent. Sampling is required on a daily grab basis during the chlorination process. Reporting shall be submitted on the DMR's on a monthly basis.

SPECIAL CONDITION 12. 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 13. 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.

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 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. The Permittee shall notify the IEPA in writing once the proposed treatment plant has been completed. A letter stating the date that the plant was completed shall be sent to the following address within fourteen (14) days of the plant 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 16. The Permittee shall one year after the proposed 0.30 MGD STP has been in operation, submit an application to renew the year-round disinfection exemption for the discharge from Outfall 001.