NPDES Permit No. IL0030031

Notice No. GY:11050202.bah

Public Notice Beginning Date: **July 20, 2011**

Public Notice Ending Date: **August 19, 2011**

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 Discharger:

Village of Mount Morris
105 West Lincoln
Mount Morris, Illinois 61054

Name and Address of Facility:

Village of Mount Morris STP
North McKendrie
Mount Morris, Illinois
(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 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 Getie Yilma 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 Mount Morris.

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, Mount Morris Creek North is 0 cfs.

The design average flow (DAF) for the existing facility is 0.5 million gallons per day (MGD) and the design maximum flow (DMF) for the existing facility is 1.25 MGD. Treatment consists of screening, grit removal, comminutors, holding or detention pond, primary settling, rotating biological contactors, trickling filtration, final settling, sand filtration, disinfection, aerobic digestion, drying beds and land application of sludge.

The design average flow (DAF) for the proposed facility is 0.8 million gallons per day (MGD) and the design maximum flow (DMF) for the proposed facility is 2.7 MGD. Treatment consists of screening, holding or detention pond, oxidation ditches, clarifiers, chemical phosphorus removal, UV disinfection, aerobic digestion, liquid sludge storage tanks and land application of sludge.

This Modified 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.

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

1. The design flows have been changed from DAF/DMF= 0.5/1.25 MGD to DAF/DMF = 0.8/2.7 MGD.

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:

Discharge Number	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Mount Morris Creek North	42° 03′ 50″ North	89° 26′ 04″ 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) on the 303(d) list of impaired waters.

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

Potential Causes	Uses Impaired
Phosphorus (total)	Aquatic life

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 Plant)

Load limits computed based on a design average flow (DAF) of 0.5 MGD (design maximum flow (DMF) of 1.25 MGD).

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

	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			
Parameter	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Regulation
$CBOD_5$	42 (104)		83 (209)	10		20	35 IAC 304.120 40 CFR 133.102
Suspended Solids	50 (125)		100 (250)	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	Daily maximum shall not exceed 400 per 100 mL (May through October)						35 IAC 304.121
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen:							35 IAC 355 and
March-May/Sept.-Oct.	6.3 (16)		13 (31)	1.5		3.0	35 IAC 302
June-August	5.0 (13)		13 (31)	1.2		3.0	
Nov.-Feb.	17 (42)		18 (44)	4.0		4.2	
Phosphorus	Monitor Only						35 IAC 304.123
				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum	
Dissolved Oxygen							
March-July				N/A	6.0	5.0	35 IAC 302.206
August-February				5.5	4.0	3.5	

*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).

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 Plant)

Load limits computed based on a design average flow (DAF) of 0.8 MGD (design maximum flow (DMF) of 2.7 MGD).

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

	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			
Parameter	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Regulation
$CBOD_5$	67 (225)		133 (450)	10		20	35 IAC 304.120 40 CFR 133.102
Suspended Solids	80 (270)		160 (540)	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	Daily maximum shall not exceed 400 per 100 mL (May through October)						35 IAC 304.121
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen:							35 IAC 355 and 35 IAC 302
March-May/Sept.-Oct.	10 (34)		20 (68)	1.5		3.0	
June-August	8.0 (27)		20 (68)	1.2		3.0	
Nov.-Feb.	27 (90)		28 (95)	4.0		4.2	
Phosphorus	6.7 (23)			1.0			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				N/A	6.0	5.0	35 IAC 302.206
August-February				5.5	4.0	3.5	

*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).

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. Capacity, Management, Operations and Maintenance (CMOM) requirements.

8. The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

9. Effluent sampling point location.

10. Controlling sources of infiltration and inflow into the sewer system.

11. Seasonal fecal coliform limits.

12. Notify Agency of Plant Completion.

13. Submission of annual fiscal data.

14. Submission of semi annual reports indicating the quantities of sludge generated and disposed.

15. Reopening of the Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.

16. Total Nitrogen Monitoring.

Antidegradation Assessment
NPDES Permit No. IL0030031

The subject facility is proposing to replace their existing facility with a design average flow (DAF) of 0.5 MGD with an oxidation ditch with biological nutrient removal with a DAF of 0.8 MGD. The existing facility is close to and often over its design average flow capacity and is having difficulty in reliably meeting the biochemical oxygen demand (BOD_5), total suspended solids (TSS), and ammonia effluent limits in its NPDES permit. The 2005 population is estimated to be 3,175 and, based upon the analysis preformed by the consultant; the projected residential population will be 4,178 in 2032.

The expanded facility will have a permit limit of 1.0 mg/L for phosphorus since the receiving stream is impaired for phosphorus. Therefore, loading of phosphorus to the receiving stream will be reduced. The expanded facility will also remove total nitrogen; therefore, loading of nitrogen to the receiving stream will be reduced.

The information in this antidegradation assessment came from the November 2009 report by Strand Associates, Inc. titled “Wastewater Facilities Plan, Village of Mt. Morris”.

Identification and Characterization of the Affected Water Body.

The subject facility discharges to Mount Morris Creek North at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Mount Morris Creek North is classified as a General Use Water. Mount Morris Creek North 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 in that document. Mount Morris Creek North, Waterbody Segment, PJBA-C1, is listed on the draft Illinois Integrated Water Quality Report and Section 303(d) List – 2010 as impaired for aquatic life use with potential cause given as phosphorus. Mount Morris Creek North is not subject to enhanced dissolved oxygen standards.

The USGS Illinois Streamstats basin characteristics program gives a watershed size of 0.17 square miles at the discharge point on Mount

Morris Creek North. According to the Illinois State Water Survey, Mount Morris Creek North in the area of the proposed discharge is likely to be a 7Q1.1 zero flow stream. In this region of Illinois, 7Q1.1 zero flow streams are streams with a watershed area of 1.0 square mile or less. These streams will exhibit no flow for at least a continuous seven day period nine out of ten years. Aquatic life communities in these headwater streams are tolerant of the effects of drying. Depending on the rainfall received before biological surveys, either a very limited aquatic life community, or no community at all would be found. Given this flow regime, no additional biological characterization is required

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. Ammonia limits in the permit will be set at water quality standards, however; ammonia loading to the receiving stream will increase over existing background levels as the expanded effluent discharge will be allowed an average of 15.1 lbs/day, up from the currently allowed level of 9.7 lbs/day. Biochemical oxygen demand (BOD) permit limits will be set at the most stringent effluent standards applicable in 35 IAC 304.120. The stream will nonetheless experience an increase in loading in BOD as the expanded effluent discharge will be allowed an average of 67 lbs/day, up from the currently allowed level of 42 lbs/day. A dissolved oxygen model was used to determine the impact of the expansion on the receiving stream. The model indicated that the minimum dissolved oxygen concentration for the existing facility was 6.14 mg/L and the minimum dissolved oxygen concentration for the expanded facility was 6.11 mg/L resulting in a negligible difference.

Phosphorus and nitrogen loading will decrease as a result of the expanded facility removing nutrients. 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 additional nutrient reduction requirements imposed on this source. 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. Ammonia and dissolved oxygen standards will be met in the effluent prior to discharge to the receiving stream.

Purpose and Social & Economic Benefits of the Proposed Activity.

The proposed project will insure that the permit limits are met and will provide treatment capacity for future growth.

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

The Facilities Plan investigated the feasibility of regionalization with the nearest community with a sizable facility which was Oregon. In addition to the fact that the Oregon facility would need to be expanded to accept the Mt. Morris discharge, the Oregon facility is approximately 6.5 miles from the existing Mt. Morris facility, which would make it cost prohibitive.

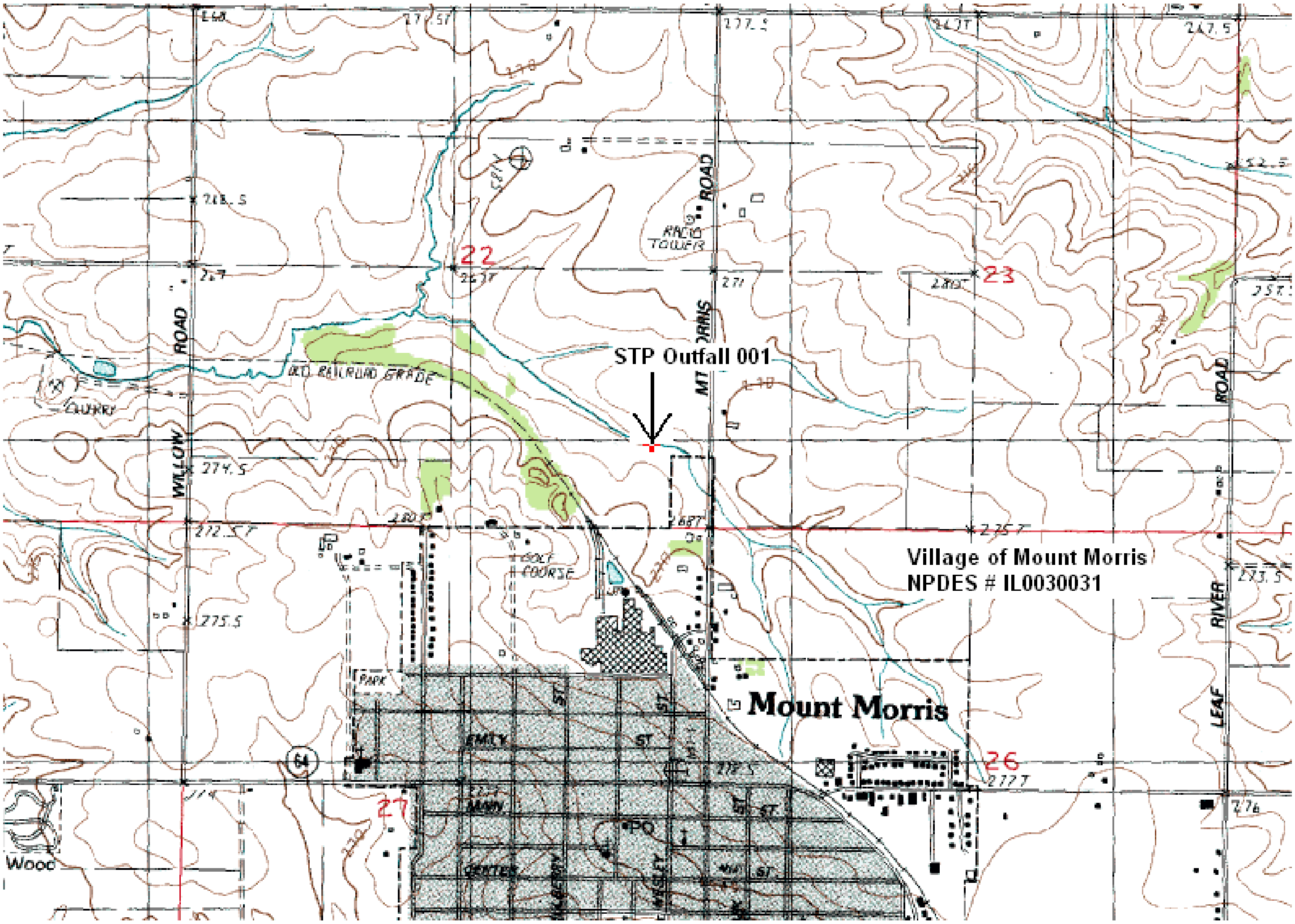
The Facilities Plan investigated the feasibility of spray irrigation; however, it was determined to not be cost effective based on the amount of land needed for storage and irrigation. The nearest golf course is less than one-half mile away and this golf course already utilizes approximately 450,000 gpd of water for irrigation purposes as needed from Mt. Morris Creek North just downstream of the WWTF discharge.

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

On July 23, 2009, the IDNR EcoCAT web-based tool was used by the consultant, and EcoCAT indicated that there were no endangered/threatened species present in the vicinity of the discharge. The IDNR EcoCAT web-based tool terminated the consultation.

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 insuring that the permit limits are met and providing treatment capacity for future growth. Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.


STP Outfall 001
Village of Mount Morris
NPDES # IL0030031
Mount Morris
WILLOW ROAD
MT MORRIS ROAD
RIVER ROAD
LEAF
OLD RAILROAD GRADE
QUARRY
RADIO TOWER
GOLF COURSE
PARK
EMILY ST
MAIN
CENTER
PO
22
23
26
27
64

NPDES Permit No. IL0030031

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: **November 30, 2015**

Issue Date: **November 4, 2010**
Effective Date: **December 1, 2010**
Modification Date:

Name and Address of Permittee:

Village of Mount Morris
105 West Lincoln
Mount Morris, Illinois 61054

Facility Name and Address:

Village of Mount Morris STP
North McKendrie
Mount Morris, Illinois
(Ogle County)

Receiving Waters: Mount Morris Creek North

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:GY:11050202.bah

NPDES Permit No. IL0030031
Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 001 Outfall (Existing Plant)

Load limits computed based on a design average flow (DAF) of 0.5 MGD (design maximum flow (DMF) of 1.25 MGD).

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

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

	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L				
Parameter	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Sample Frequency	Sample Type
Flow (MGD)							Continuous	
$CBOD_5$**	42 (104)		83 (209)	10		20	2 Days/Week	Composite
Suspended Solids	50 (125)		100 (250)	12		24	2 Days/Week	Composite
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Week	Grab
Fecal Coliform***	Daily maximum shall not exceed 400 per 100 mL (May through October)						2 Days/Week	Grab
Chlorine Residual***						0.05	2 Days/Week	Grab
Ammonia Nitrogen: as (N)								
March-May/Sept.-Oct.	6.3 (16)		13 (31)	1.5		3.0	2 Days/Week	Composite
June-August	5.0 (13)		13 (31)	1.2		3.0	2 Days/Week	Composite
Nov.-Feb.	17 (42)		18 (44)	4.0		4.2	2 Days/Week	Composite
Phosphorus	Monitor Only						1 Day/Month	Composite
				Monthly Average not less than	Weekly Average not less than	Daily Minimum		
Dissolved Oxygen								
March-July				N/A	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 BOD_5 ($CBOD_5$) testing shall be in accordance with 40 CFR 136.
***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 shall be reported on the DMR as a daily maximum value.

NPDES Permit No. IL0030031

Effluent Limitations, Monitoring, and Reporting

FINAL

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

Load limits computed based on a design average flow (DAF) of 0.8 MGD (design maximum flow (DMF) of 2.7 MGD).

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

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

	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L				
Parameter	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Sample Frequency	Sample Type
Flow (MGD)							Continuous	
$CBOD_5$**	67 (225)		133 (450)	10		20	2 Days/Week	Composite
Suspended Solids	80 (270)		160 (540)	12		24	2 Days/Week	Composite
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Week	Grab
Fecal Coliform***	Daily maximum shall not exceed 400 per 100 mL (May through October)						2 Days/Week	Grab
Chlorine Residual***						0.05	2 Days/Week	Grab
Ammonia Nitrogen: as (N)								
March-May/Sept.-Oct.	10 (34)		20 (68)	1.5		3.0	2 Days/Week	Composite
June-August	8.0 (27)		20 (68)	1.2		3.0	2 Days/Week	Composite
Nov.-Feb.	27 (90)		28 (95)	4.0		4.2	2 Days/Week	Composite
Phosphorus	6.7 (23)			1.0			1 Day/ Month	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				N/A	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 BOD_5 ($CBOD_5$) testing shall be in accordance with 40 CFR 136.
***See Special Condition 11.
****See Special Condition 16.

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

NPDES Permit No. IL0030031

Influent Monitoring, and Reporting

The influent to the plant shall be monitored as follows:

Parameter	Sample Frequency	Sample Type
Flow (MGD)	Continuous	
BOD_5	2 Days/Week	Composite
Suspended Solids	2 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.

BOD_5 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 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 (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 Permittee shall work towards the goals of achieving no discharges from sanitary sewer overflows or basement backups and ensuring that overflows or backups, when they do occur do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water. In order to accomplish these goals, the Permittee shall develop and submit to the IEPA a Capacity, Management, Operations, and Maintenance (CMOM) plan within twelve (12) months of the modification date of this Permit. The Permittee may be required to construct additional sewage transport and/or treatment facilities in future permits or other enforceable documents.

The CMOM plan shall include the following elements:

a. Measures and Activities:

1. A complete map of the collection system;
2. Schedules, checklists, and mechanisms to ensure that preventative maintenance is performed on equipment;
3. An assessment of the capacity of the collection and treatment system 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.

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 and backups occur; and,
2. Respond to each overflow or backup to determine additional actions such as clean up.

Special Conditions

d. System Evaluation Plan.

e. Reporting and Monitoring Requirements.

SPECIAL CONDITION 8. The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.

SPECIAL CONDITION 9. 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 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. 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 12. 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 13. 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 14. 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

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 15. This permit maybe modified to include alternative or additional effluent limitations pursuant to an approved Total Maximum Daily Load (TMDL) study or upon completion of an alternative water quality study.

SPECIAL CONDITION 16. The Permittee shall operate the expanded facilities designed for biological nutrient removal (BNR). Monitoring for Total Nitrogen is required to document the actual total nitrogen effluent concentration. Once the plant expansion becomes operational, the Permittee shall monitor the effluent for total nitrogen once per month. The monitoring shall be a composite sample and the results reported as a daily maximum on the Permittee’s Discharge Monitoring Forms.

The Permittee shall notify the IEPA in writing of any operational deficiencies and corrective measures to be taken if the treatment plant exceeds an annual concentration of 10 mg/L of Total Nitrogen in the effluent. Correspondence shall be directed to:

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

Illinois Environmental Protection Agency
Bureau of Water
Rockford Field Office
4302 North Main Street
Rockford, Illinois 61103