

NPDES Permit No. IL0036421

Notice No. BDF:11041503.bah

Public Notice Beginning Date: **February 17, 2012**

Public Notice Ending Date: **March 19, 2012**

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 Godfrey  
P.O. Box 54  
Godfrey, Illinois 62035

Name and Address of Facility:

Village of Godfrey STP  
4725 Brecht Lane  
Godfrey, Illinois  
(Madison 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 Brant Fleming 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 City of Godfrey.

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, Mississippi River is 21330 cfs.

The design average flow (DAF) for the facility is 2.2 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 5.5 MGD. Treatment consists of grit removal, activated sludge and chlorination. Sludge is aerobically digested, dewatered on a belt press and applied to farmland.

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

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

| <u>Discharge Number</u> | <u>Receiving Stream</u> | <u>Latitude</u>   | <u>Longitude</u> | <u>Stream Classification</u> | <u>Integrity Rating</u> |
|-------------------------|-------------------------|-------------------|------------------|------------------------------|-------------------------|
| 001                     | Mississippi River       | 38° 55' 30" North | 90° 14' 52" 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), segment J-05, receiving the discharge from outfall(s) 001 is on the 2010 303(d) list of impaired waters.

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

| <u>Potential Causes</u>                                          | <u>Uses Impaired</u>                                               |
|------------------------------------------------------------------|--------------------------------------------------------------------|
| Mercury, polychlorinated biphenyls, manganese and fecal coliform | Fish consumption, public and food water supply and primary contact |

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

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

Load limits computed based on a design average flow (DAF) of 2.2 MGD (design maximum flow (DMF) of 5.5 MGD).

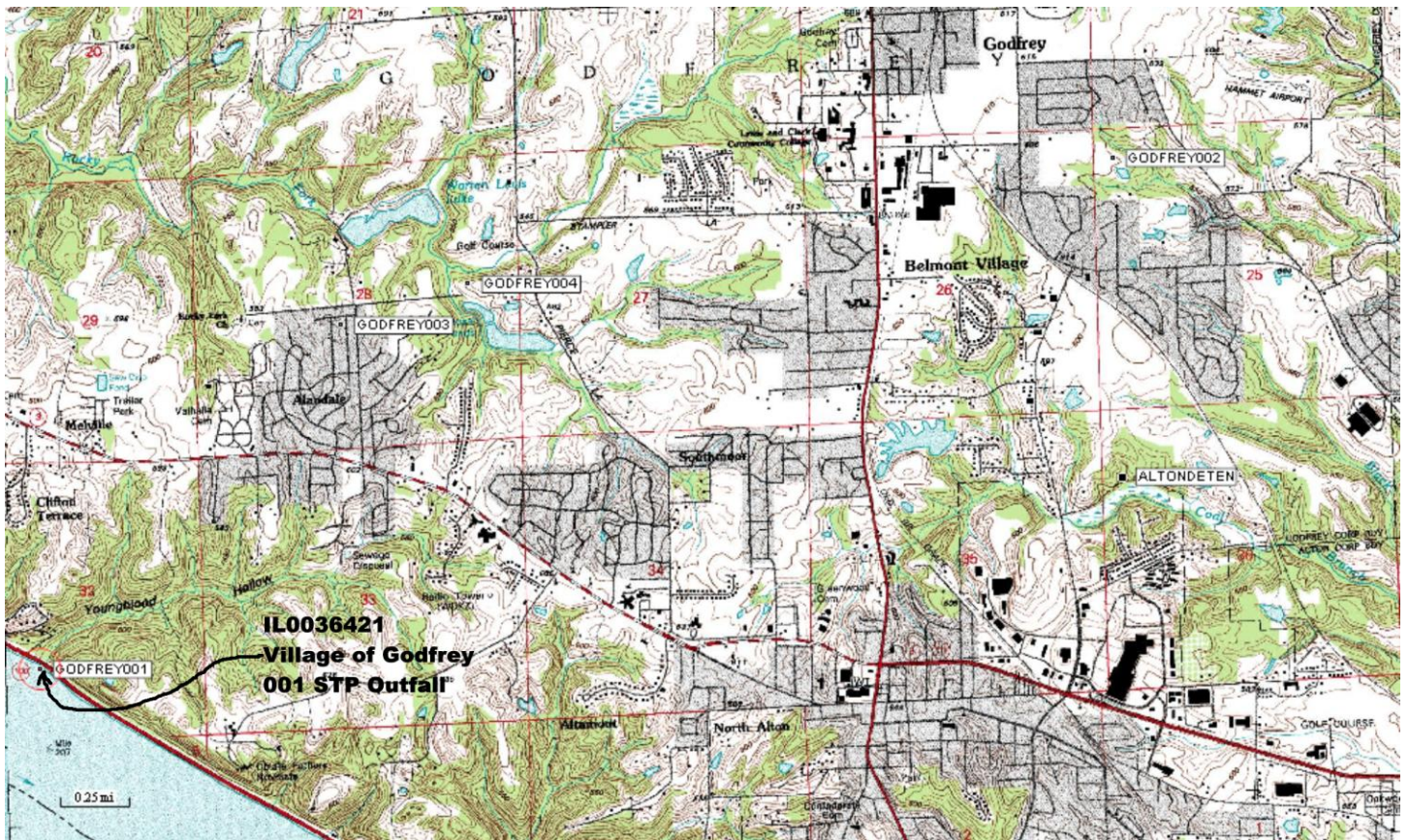
The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

| <u>Parameter</u>  | <u>LOAD LIMITS lbs/day</u><br><u>DAF (DMF)*</u>                        |                       |                      | <u>CONCENTRATION</u><br><u>LIMITS mg/L</u> |                       |                      | <u>Regulation</u>                |
|-------------------|------------------------------------------------------------------------|-----------------------|----------------------|--------------------------------------------|-----------------------|----------------------|----------------------------------|
|                   | <u>Monthly Average</u>                                                 | <u>Weekly Average</u> | <u>Daily Maximum</u> | <u>Monthly Average</u>                     | <u>Weekly Average</u> | <u>Daily Maximum</u> |                                  |
| CBOD <sub>5</sub> | 367 (917)                                                              | 734 (1835)            |                      | 20                                         | 40                    |                      | 35 IAC 304.120<br>40 CFR 133.102 |
| Suspended Solids  | 459 (1147)                                                             | 826 (2064)            |                      | 25                                         | 45                    |                      | 35 IAC 304.120<br>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<br>(May through October) |                       |                      |                                            |                       |                      | 35 IAC 304.121                   |
| Chlorine Residual |                                                                        |                       |                      |                                            |                       | 0.75                 | 35 IAC 302.208                   |
| Phosphorus (as P) | Monitor only                                                           |                       |                      |                                            |                       |                      | 35 IAC 309.146                   |
| Total Nitrogen    | Monitor only                                                           |                       |                      |                                            |                       |                      | 35 IAC 309.146                   |

\*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. Discharge Monitoring Reporting (DMR).
7. The provisions of 40 CFR Section 122.41 (n) are applicable and are hereby incorporated by reference.
8. Effluent sampling point location.
9. Seasonal fecal coliform limits.
10. Monitoring for arsenic, barium, cadmium, hexavalent chromium, total chromium, copper, weak acid dissociable cyanide, total cyanide, fluoride, dissolved iron, total iron, lead, manganese, mercury, nickel, oil, phenols, selenium, silver and zinc is required to be conducted semi-annually beginning 3 months from the effective date.
11. Burden reduction.
12. Submission of annual fiscal data.
13. A requirement for biomonitoring of the effluent.
14. Conditional authorization to discharge from high level emergency bypass(es) based on 40 CFR.
15. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
16. A zone of initial dilution (ZID) for ammonia.
17. CMOM plan.



NPDES Permit No. IL0036421

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 Godfrey  
P.O. Box 54  
Godfrey, Illinois 62035

Facility Name and Address:

Village of Godfrey STP  
4725 Brecht Lane  
Godfrey, Illinois  
(Madison County)

Receiving Waters: Mississippi 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:11041503.bah

NPDES Permit No. IL0036421

Effluent Limitations, Monitoring, and Reporting

FINAL

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

Load limits computed based on a design average flow (DAF) of 2.2 MGD (design maximum flow (DMF) of 5.5 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 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><br><u>DAF (DMF)*</u>                        |                                 |                                | <u>CONCENTRATION</u><br><u>LIMITS mg/L</u> |                                 |                                | <u>Sample</u><br><u>Frequency</u> | <u>Sample</u><br><u>Type</u> |
|----------------------|------------------------------------------------------------------------|---------------------------------|--------------------------------|--------------------------------------------|---------------------------------|--------------------------------|-----------------------------------|------------------------------|
|                      | <u>Monthly</u><br><u>Average</u>                                       | <u>Weekly</u><br><u>Average</u> | <u>Daily</u><br><u>Maximum</u> | <u>Monthly</u><br><u>Average</u>           | <u>Weekly</u><br><u>Average</u> | <u>Daily</u><br><u>Maximum</u> |                                   |                              |
| Flow (MGD)           |                                                                        |                                 |                                |                                            |                                 |                                | Continuous                        |                              |
| CBOD <sub>5</sub> ** | 367 (917)                                                              | 734 (1835)                      |                                | 20                                         | 40                              |                                | 2 Days/Week                       | Composite                    |
| Suspended Solids     | 459 (1147)                                                             | 826 (2064)                      |                                | 25                                         | 45                              |                                | 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<br>(May through October) |                                 |                                |                                            |                                 |                                | 2 Days/Week                       | Grab                         |
| Chlorine Residual*** |                                                                        |                                 |                                |                                            |                                 | 0.75                           | 2 Days/Week                       | Grab                         |
| Phosphorus (as P)    | Monitor only                                                           |                                 |                                |                                            |                                 |                                | 1 Day/Month                       | Composite                    |
| Total Nitrogen       | Monitor only                                                           |                                 |                                |                                            |                                 |                                | 1 Day/Month                       | Composite                    |

\*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 7.

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.

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 <sub>5</sub> | 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<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 this facility shall be by or under the supervision of a Certified Class 1 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 Section 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(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. 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 10. The Permittee shall conduct semi-annual monitoring of the effluent and report concentrations (in mg/l) of the following listed parameters. Monitoring shall begin three (3) months from the effective date of this permit. The sample shall be a 24-hour effluent composite except as otherwise specifically provided below and the results shall be submitted on Discharge Monitoring Report Forms to IEPA unless otherwise specified by the IEPA. The parameters to be sampled and the minimum reporting limits to be attained are as follows:

| <u>STORET<br/>CODE</u> | <u>PARAMETER</u>                       | <u>Minimum<br/>reporting limit</u> |
|------------------------|----------------------------------------|------------------------------------|
| 01002                  | Arsenic                                | 0.05 mg/L                          |
| 01007                  | Barium                                 | 0.5 mg/L                           |
| 01027                  | Cadmium                                | 0.001 mg/L                         |
| 01032                  | Chromium (hexavalent) (grab)           | 0.01 mg/L                          |
| 01034                  | Chromium (total)                       | 0.05 mg/L                          |
| 01042                  | Copper                                 | 0.005 mg/L                         |
| 00718                  | Cyanide (weak acid dissociable) (grab) | 5.0 ug/L                           |

Special Conditions

|       |                                                       |            |
|-------|-------------------------------------------------------|------------|
| 00720 | Cyanide (total) (grab not to exceed 24 hours)         | 5.0 ug/L   |
| 00951 | Fluoride                                              | 0.1 mg/L   |
| 01045 | Iron (total)                                          | 0.5 mg/L   |
| 01046 | Iron (Dissolved)                                      | 0.5 mg/L   |
| 01051 | Lead                                                  | 0.05 mg/L  |
| 01055 | Manganese                                             | 0.5 mg/L   |
| 71900 | Mercury (grab)**                                      | 1.0 ng/L*  |
| 01067 | Nickel                                                | 0.005 mg/L |
| 00556 | Oil (hexane soluble or equivalent) (Grab Sample only) | 5.0 mg/L   |
| 32730 | Phenols (grab)                                        | 0.005 mg/L |
| 01147 | Selenium                                              | 0.005 mg/L |
| 01077 | Silver (total)                                        | 0.003 mg/L |
| 01092 | Zinc                                                  | 0.025 mg/L |

Unless otherwise indicated, concentrations refer to the total amount of the constituent present in all phases, whether solid, suspended or dissolved, elemental or combined, including all oxidation states.

\*1.0 ng/L = 1 part per trillion.

\*\*Utilize USEPA Method 1631E and the digestion procedure described in Section 11.1.1.2 of 1631E.

SPECIAL CONDITION 11. The Permittee has undergone a Monitoring Reduction review and the influent and effluent sample frequency has been reduced for BOD, CBOD, TSS, pH and DO due to sustained compliance. The IEPA will require that the influent and effluent sampling frequency for these parameters be increased to 3 days/week if effluent deterioration occurs due to increased wasteload, operational, maintenance or other problems. The increased monitoring will be required Without Public Notice when a permit modification is received by the Permittee from the IEPA.

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 CONDITION 13. The Permittee shall conduct biomonitoring of the effluent from Discharge Number(s) 001.

Biomonitoring

1. Acute Toxicity - Standard definitive acute toxicity tests shall be run on at least two trophic levels of aquatic species (fish, invertebrate) representative of the aquatic community of the receiving stream. Testing must be consistent with Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (Fifth Ed.) EPA/821-R-02-012. Unless substitute tests are pre-approved; the following tests are required:
  - a. Fish - 96 hour static LC<sub>50</sub> Bioassay using fathead minnows (*Pimephales promelas*).
  - b. Invertebrate 48-hour static LC<sub>50</sub> Bioassay using *Ceriodaphnia*.
2. Testing Frequency - The above tests shall be conducted using 24-hour composite samples unless otherwise authorized by the IEPA. Samples must be collected in the 18th, 15th, 12th, and 9th month prior to the expiration date of this Permit.
3. Reporting - Results shall be reported according to EPA/821-R-02-012, Section 12, Report Preparation, and shall be submitted to IEPA, Bureau of Water, Compliance Assurance Section within one week of receipt from the laboratory. Reports are due to the IEPA no later than the 16th, 13th, 10th, and 7th month prior to the expiration date of this Permit.
4. Toxicity - Should a bioassay result in toxicity to >20% of organisms test in the 100% effluent treatment, the IEPA may require, upon notification, six (6) additional rounds of monthly testing on the affected organism(s) to be initiated within 30 days of the toxic bioassay. Results shall be submitted to IEPA within (1) week of becoming available to the Permittee. Should any of the additional bioassays result in toxicity to ≥50% of organisms tested in the 100% effluent treatments, the Permittee may wish to contact the IEPA to request the discontinuance of further sampling at which time the IEPA may require the Permittee to begin the toxicity reduction evaluation and identification as outlined below.

Special Conditions

5. Toxicity Reduction Evaluation - Should the results of the biomonitoring program identify toxicity, the IEPA may require that the Permittee prepare a plan for toxicity reduction evaluation and identification. This plan shall be developed in accordance with Toxicity Reduction Evaluation Guidance for Municipal Wastewater Treatment Plants, EPA/833B-99/002, and shall include an evaluation to determine which chemicals have a potential for being discharged in the plant wastewater, a monitoring program to determine their presence or absence and to identify other compounds which are not being removed by treatment, and other measures as appropriate. The Permittee shall submit to the IEPA its plan for toxicity reduction evaluation within ninety (90) days following notification by the IEPA. The Permittee shall implement the plan within ninety (90) days or other such date as contained in a notification letter received from the IEPA.

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

SPECIAL CONDITION 14. Discharge Number 002, 003, and 004 is an emergency high level bypass. Discharges from this overflow and other discharges not receiving a minimum of secondary treatment are subject to the following conditions:

- (1) Definitions
  - (i) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
  - (ii) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- (2) Bypass not exceeding limitations. The Permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (3) and (4) of this section.
- (3) Notice
  - (i) Anticipated bypass. If the Permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
  - (ii) Unanticipated bypass. The Permittee shall submit notice of an unanticipated bypass as required in Standard Condition 12(e) of this Permit (24-hour notice).
- (4) Prohibition of bypass. Bypass is prohibited, and the IEPA may take enforcement action against a Permittee for bypass, unless:
  - (i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (ii) There was no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (iii) The Permittee submitted notices as required under Standard Condition 12(e) of this Permit.
- (5) Emergency Bypass when discharging, shall be monitored daily by grab sample for BOD<sub>5</sub> and Suspended Solids. The Permittee shall submit the monitoring results on Discharge Monitoring Report forms using one such form for each month in which bypassing occurs. The Permittee shall specify the number of discharges per month that occur and shall report this number in the quantity daily maximum column. The Permittee shall report the highest concentration value of BOD<sub>5</sub> and Suspended Solids discharged in the concentration daily maximum column.

SPECIAL CONDITION 15. 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.

Special Conditions

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 25 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 16. A zone of initial dilution (ZID) is recognized for ammonia with dimensions from the end-of-pipe of 32 feet across the width of the river and 75 feet downstream from this point. Within the ZID, 36.4:1 dilution is afforded. A mixing zone for ammonia is recognized with dimensions from the end of pipe extending 101 feet across the width of the river and 1,320 feet downstream. Within the mixing zone 241:1 dilution is afforded.

SPECIAL CONDITION 17. 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 effective date of this Permit for review and approval. The Permittee shall initiate the CMOM plan upon approval. 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.

d. System Evaluation Plan.

e. Reporting and Monitoring Requirements.