

NPDES Permit No. IL0021539

Notice No. BDF:12112001.bah

Public Notice Beginning Date: **March 29, 2013**

Public Notice Ending Date: **April 29, 2013**

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 Permittee:

Village of Metamora
Village Hall
100 North Davenport
Post Office Box 1070
Metamora, Illinois 61548

Name and Address of Facility:

Village of Metamora STP
1500 North and Washing Street
Metamora, Illinois
(Woodford 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 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 Village of Metamora.

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 of Partridge Creek is 0 cfs.

The design average flow (DAF) for the facility is 0.36 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 1.44 MGD. Treatment consists of aerated lagoons, non-aerated tertiary lagoon and sand filter.

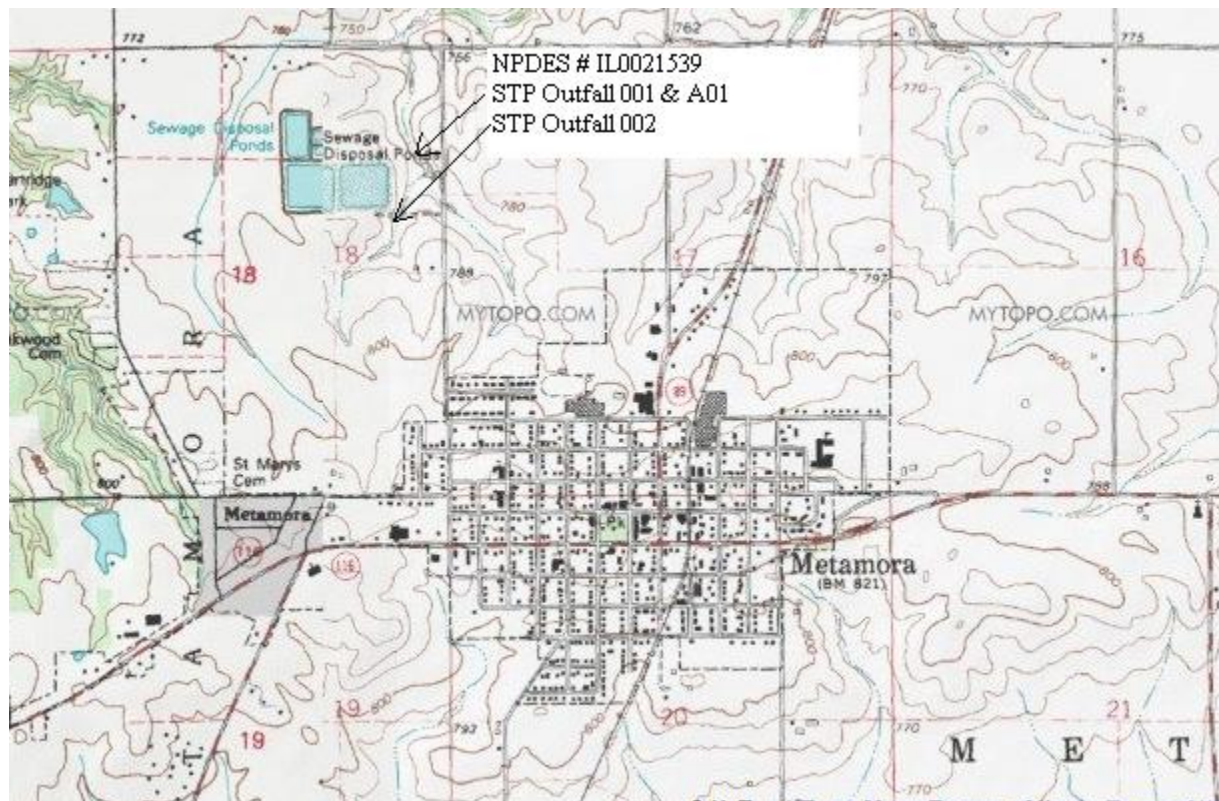
This Reissued Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

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

Application is made for the existing discharge(s) which is located in Woodford 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	Unnamed tributary of Partridge Creek	40° 48' 12" North	89° 22' 16" 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), no segment designation, receiving the discharge from outfall(s) 001 is 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

Load limits computed based on a design average flow (DAF) of 0.36 MGD (design maximum flow (DMF) of 1.44 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	75 (300)	120 (480)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids	111 (444)	135 (540)		37	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform**	Daily Maximum shall not exceed 400 per 100 ml (May through October)						35 IAC 304.121
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen: April-May/Sept.-Oct.	2.7 (11)	--	11 (42)	0.9	--	3.5	35 IAC 355 and 35 IAC 302
June-August	2.7 (11)	9.9 (40)	11 (42)	0.9	3.3	3.5	
Nov.-Feb.	10 (41)	--	13 (52)	3.4	--	4.3	
March	4.5 (18)	11 (46)	13 (50)	1.5	3.8	4.2	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: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$.

**Fecal coliform shall not exceed May through October 5.44×10^9 cfu/day when effluent flows are at or below the Design Average Flow (DAF) nor exceed 2.18×10^{10} cfu/day when effluent flows exceed the DAF.

Discharge Number(s) and Name(s): 002 STP Outfall to Golf Course/Irrigation Pond

Load limits computed based on a design average flow (DAF) of 0.36 MGD (design maximum flow (DMF) of 1.44 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	75 (300)	120 (480)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids	111 (444)	135 (540)		37	45		35 IAC 304.120 40 CFR 133.102

pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform**	Daily Maximum shall not exceed 400 per 100 ml (May through October)						35 IAC 304.121
Ammonia Nitrogen: April-May/Sept.-Oct.	2.7 (11)	--	11 (42)	0.9	--	3.5	35 IAC 355 and 35 IAC 302
June-August	2.7 (11)	9.9 (40)	11 (42)	0.9	3.3	3.5	
Nov.-Feb.	10 (41)	--	13 (52)	3.4	--	4.3	
March	4.5 (18)	11 (46)	13 (50)	1.5	3.8	4.2	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: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$.

**Fecal coliform shall not exceed May through October 5.44×10^9 cfu/day when effluent flows are at or below the Design Average Flow (DAF) nor exceed 2.18×10^{10} cfu/day when effluent flows exceed the DAF.

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

1. Reopening of this Permit to include different final effluent limitations.
2. Operation of the facility by or under the supervision of a certified operator.
3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
4. More frequent monitoring requirement without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.
5. Prohibition against causing or contributing to violations of water quality standards.
6. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
7. The provisions of 40 CFR Section 122.41(m) & (n) are applicable and are hereby incorporated by reference.
8. Effluent sampling point location.
9. At minimum of 85% removal of CBOD₅ and suspended solids.
10. Controlling the sources of infiltration and inflow into the sewer system.
11. Seasonal fecal coliform limits.
12. Submission of annual fiscal data.
13. Conditional authorization to discharge from high level emergency bypass(es) based on 40 CFR.

NPDES Permit No. IL0021539

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 Metamora
Village Hall
100 North Davenport
Post Office Box 1070
Metamora, Illinois 61548

Facility Name and Address:

Village of Metamora STP
1500 North and Washing Street
Metamora, Illinois
(Woodford County)

Receiving Waters: Unnamed tributary of Partridge Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of the Ill. Adm. Code, Subtitle C, Chapter I, and the Clean Water Act (CWA), the above-named Permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the Permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

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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 0.36 MGD (design maximum flow (DMF) of 1.44 MGD).

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

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	
CBOD ₅ **	75 (300)	120 (480)		25	40		2 Days/Month	Composite
Suspended Solids	111 (444)	135 (540)		37	45		2 Days/Month	Composite
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Month	Grab
Fecal Coliform***	Daily Maximum shall not exceed 400 per 100 ml (May through October)						2 Days/Month	Grab
Chlorine Residual***						0.05	2 Days/Month	Grab
Ammonia Nitrogen: As (N) April-May/Sept.-Oct.	2.7 (11)	--	11 (42)	0.9	--	3.5	2 Days/Month	Composite
June-August	2.7 (11)	9.9 (40)	11 (42)	0.9	3.3	3.5	2 Days/Month	Composite
Nov.-Feb.	10 (41)	--	13 (52)	3.4	--	4.3	2 Days/Month	Composite
March	4.5 (18)	11 (46)	13 (50)	1.5	3.8	4.2	2 Days/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/Month	Grab
August-February				5.5	4.0	3.5	2 Days/Month	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.

***See Special Condition 11.

****Fecal coliform shall not exceed May through October 5.44×10^9 cfu/day when effluent flows are at or below the Design Average Flow (DAF) nor exceed 2.18×10^{10} cfu/day when effluent flows exceed the DAF.

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 the DMR as a daily maximum value.

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

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Effluent Limitations, Monitoring, and Reporting

FINAL

Discharge Number(s) and Name(s): 002 STP Outfall to Golf Course/Irrigation Pond

Load limits computed based on a design average flow (DAF) of 0.36 MGD (design maximum flow (DMF) of 1.44 MGD).

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

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)*</u>			<u>CONCENTRATION</u> <u>LIMITS mg/L</u>			<u>Sample Frequency</u>	<u>Sample Type</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>		
Flow (MGD)							Continuous	
Total Flow (MGD)	See Below						Continuous	
CBOD ₅ **	75 (300)	120 (480)		25	40		2 Days/Month When Discharging	Grab
Suspended Solids	111 (444)	135 (540)		37	45		2 Days/Month When Discharging	Grab
pH	Shall be in the range of 6 to 9 Standard Units						2 Days/Month When Discharging	Grab
Fecal Coliform****	Daily maximum shall not exceed 400 per 100 ml						2 Days/Month When Discharging	Grab
Ammonia Nitrogen: As (N) April-May/Sept.-Oct.	2.7 (11)	--	11 (42)	0.9	--	3.5	2 Days/Month When Discharging	Grab
June-August	2.7 (11)	9.9 (40)	11 (42)	0.9	3.3	3.5	2 Days/Month When Discharging	Grab
Nov.-Feb.	10 (41)	--	13 (52)	3.4	--	4.3	2 Days/Month When Discharging	Grab
March	4.5 (18)	11 (46)	13 (50)	1.5	3.8	4.2	2 Days/Month When Discharging	Grab
				Monthly Average not less than	Weekly Average not less than	Daily Minimum		
Dissolved Oxygen March-July				N/A	6.0	5.0	2 Days/Month When Discharging	Grab
August-February				5.5	4.0	3.5	2 Days/Month When Discharging	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.

***See Special Condition 11.

****Fecal coliform shall not exceed May through October 5.44×10^9 cfu/day when effluent flows are at or below the Design Average Flow (DAF) nor exceed 2.18×10^{10} cfu/day when effluent flows exceed the DAF.

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

Total Flow from Outfalls 001 and 002 in million gallons shall be reported on the DMR in the quantity maximum column.

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 the DMR as a daily maximum value.

Dissolved oxygen shall be reported on the DMR as a minimum 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	2 Days/Month	Grab
Suspended Solids	2 Days/Month	Grab

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.

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 4 operator.

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

SPECIAL CONDITION 4. The IEPA may request more frequent monitoring by permit modification pursuant to 40 CFR 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(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): The arithmetic mean of the values for effluent samples collected in a period of one calendar month shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same time during the same period, except during those periods when the influent is diluted because of high flows if the tributary sewer system is combined. The percent removal need not be reported to the IEPA on DMR's but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent 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. 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. 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. Discharge Number A01 is an emergency high level overflow discharge. Discharges from this outfall and any other discharges from any other outfall not specifically identified in this permit are prohibited. Such discharges are also subject to the following:

(1) Definitions

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

(2) Notice

- (I) Anticipated discharge. If the Permittee knows in advance of the need for a prohibited discharge, it shall submit prior notice, if possible at least ten days before the date of the discharge.
- (ii) Unanticipated discharge. The Permittee shall submit notice of an unanticipated discharge as required in Standard Condition 12(e) of this Permit (24-hour notice).

(3) Limitation on IEPA enforcement discretion. IEPA may take enforcement action against the Permittee for prohibited discharges unless:

- (I) The discharge was unavoidable to prevent loss of life, personal injury, or severe property damage;
- (ii) There were no feasible alternatives to the discharge, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a discharge which occurred during normal periods of equipment downtime or preventive maintenance; and

- (iii) The Permittee submitted notices as required under Standard Condition 12(e) of this Permit.

(4) These discharges shall be monitored daily by grab sample for BOD₅ and Suspended Solids. The Permittee shall submit the monitoring results on Discharge Monitoring Report forms using one such form for each month in which prohibited discharging occurs. The Permittee shall specify the number of discharges per month that occur and shall report this number in the quantity daily maximum column. The Permittee shall report the highest concentration value of BOD₅ and Suspended Solids discharged in the concentration daily maximum column.