



**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED
TREATMENT WORKS (POTWs)**

**NPDES PERMIT NO: PA0026638
Amendment No. 1**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Wyomissing Valley Joint Municipal Authority
701 Old Wyomissing Road
Reading, PA 19611-1513**

is authorized to discharge from a facility known as **Wyomissing Valley STP**, located in **Reading City, Berks County**, to **Wyomissing Creek** in Watershed(s) **3-C** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON FEBRUARY 1, 2010

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JANUARY 31, 2015

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d))

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code 92a.7(b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED JANUARY 13, 2010
DATE PERMIT AMENDMENT ISSUED FEBRUARY 7, 2013

ISSUED BY /s/ Maria D. Bebenek, P.E.
Clean Water Program Manager
Southcentral Regional Office

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Outfall 001, Latitude 40° 19' 42.52", Longitude 75° 56' 34.83", River Mile Index 0.26, Stream Code 01833

Receiving Waters: Wyomissing Creek

Type of Effluent: Wastewater treatment plant

1. The permittee is authorized to discharge during the period from February 1, 2010 through July 31, 2013.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes, and Supplemental Information).

INTERIM

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum ⁽²⁾		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
Influent ⁽⁴⁾ (BOD ₅ and TSS)	Report	XXX	XXX	Report	XXX	XXX	2/Week	24-hr Composite
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.25	XXX	0.84	1/day	Grab
Total Suspended Solids	1,000	1,334	XXX	30	40	60	2/week	24-Hr Composite
CBOD5	667	1,000	XXX	20	30	40	2/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	100	XXX	XXX	3.0	XXX	6.0	2/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	300	XXX	XXX	9.0	XXX	18.0	2/week	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 – Sept 30 ⁽⁵⁾	XXX	XXX	XXX	200	XXX	XXX	2/week	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30 ⁽⁵⁾	XXX	XXX	XXX	2,000	XXX	XXX	2/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. B. For Outfall 001, Latitude 40° 19' 42.52", Longitude 75° 56' 34.83", River Mile Index 0.26, Stream Code 01833

Receiving Waters: Wyomissing Creek

Type of Effluent: Wastewater treatment plant

1. The permittee is authorized to discharge during the period from August 1, 2013 through January 31, 2015.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes, and Supplemental Information).

FINAL

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum ⁽²⁾		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
Influent ⁽⁴⁾ (BOD ₅ and TSS)	Report	XXX	XXX	Report	XXX	XXX	2/Week	24-hr Composite
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.1	XXX	0.31	1/day	Grab
Total Suspended Solids	1,000	1,334	XXX	30	40	60	2/week	24-Hr Composite
CBOD ₅	667	1,000	XXX	20	30	40	2/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	100	XXX	XXX	3.0	XXX	6.0	2/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	300	XXX	XXX	9.0	XXX	18.0	2/week	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 – Sept 30 ⁽⁵⁾	XXX	XXX	XXX	200	XXX	XXX	2/week	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30 ⁽⁵⁾	XXX	XXX	XXX	2,000	XXX	XXX	2/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.

PART C

II. OTHER REQUIREMENTS, continued

- 4. When a facility has two or more outfalls that may reasonably be believed to discharge substantially identical effluents, based on a consideration of features and activities within the area drained by the outfall, the permittee may sample one such outfall and report that the quantitative data also applies to the substantially identical outfalls.
- 5. The following table describes the outfall locations and drainage areas:

<u>Outfall No.</u>	<u>Latitude</u>	<u>Longitude</u>
002	40°20'27"	76°01'21"
003	40°20'27"	76°01'21"

III. SCHEDULE OF COMPLIANCE

- A. The permittee shall achieve compliance with final effluent limitations or terminate this discharge in accordance with the following schedule:
 - 1. WQM submission May 1, 2011
 - 2. Start construction October 1, 2011
 - 3. Construction progress report(s) Quarterly
 - 4. End construction July 1, 2013
 - 5. Compliance with effluent limitations August 1, 2013
- B. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to DEP a written notice of compliance or non-compliance with the specific schedule requirement. Each notice of non-compliance shall include the following information:
 - 1. A short description of the non-compliance.
 - 2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
 - 3. A description of any factors which tend to explain or mitigate the non-compliance.
 - 4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.

IV. REQUIREMENTS FOR TOTAL RESIDUAL CHLORINE (TRC)

- A. Source Reduction and Chlorine Minimization:

The permittee should ensure that applied chlorine, used for disinfection or other purposes, is optimized to the degree necessary to minimize the TRC in the discharge. In doing so, the permittee should consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, and desired result of chlorination.

B. Compliance Schedule

The permittee shall achieve compliance with the final water quality based effluent limitations (WQBELs) for TRC on Page 3 in accordance with the schedule in section III above.

V. SUPPLEMENTAL INFORMATION

- A. The hydraulic design capacity of 4.0 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a “hydraulic overload” situation exists, as defined in Title 25 Pa. Code Chapter 94.
- B. The effluent limitations for this outfall were determined using an effluent discharge rate of 4.0 million gallons per day.
- C. The organic design capacity of 9,674 lbs BOD₅ per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an “organic overload” condition exists, as defined in 25 Pa. Code Chapter 94.