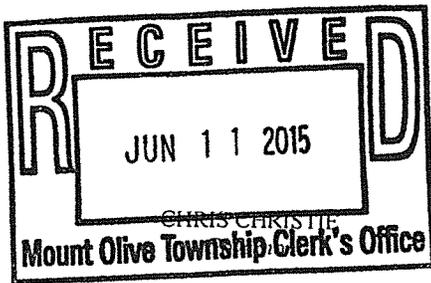


C



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Mail Code - 401-02B
Water Pollution Management Element
Bureau of Surface Water Permitting
P.O. Box 420 - 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 292-4860 / Fax: (609) 984-7938

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7011 2970 0003 7284 0388

James Schilling, Director
Musconetcong Sewerage Authority
110 Continental Drive
Budd Lake, NJ 07828

June 11, 2015

Re: Draft Surface Water Major Mod Permit Action
Category: A - Sanitary Wastewater
NJPDES Permit No. NJ0027821
Musconetcong Sewerage Authority
Mount Olive Twp, Morris County

Dear Mr. Schilling:

Enclosed is a **draft** New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A. Only the changes being proposed in this draft document are open to comment. All other conditions of the existing permit remain in full effect. This modification proposes the following changes:

- Removal of the concentration and loading Total Dissolved Solids (TDS) effluent limitations from the final phase (5.79 MGD) in accordance with the Stipulation of Settlement executed on March 10, 2015. These effluent limitations should have been removed during the revoke and reissue permit action issued on April 15, 2015, but were inadvertently included.

This permit package contains those sections of the permit that are directly affected by this permit action (i.e. Part III).

Notice of this draft permit action will appear in the *Daily Journal* and in June 17, 2015 *DEP Bulletin*. The *DEP Bulletin* is available on the internet at <http://www.state.nj.us/dep/bulletin>. In accordance with N.J.A.C. 7:14A-15.10(c)1i, the public comment period will close thirty days after its appearance in the newspaper.

As detailed in the *DEP Bulletin* and aforementioned newspaper written comments or a request that the Department hold a non-adversarial public hearing on the draft document, must be submitted in writing to Pilar Patterson, Chief, Mail Code 401-02B, Division of Water Quality, Bureau of Surface Water Permitting, P.O. Box 420, Trenton, NJ 08625-0420 by the close of the public comment period. All

persons, including the applicant, who believe that any condition of this draft document is inappropriate or that the Department's tentative decision to issue this draft document is inappropriate, must raise all reasonable arguments and factual grounds supporting their position, including all supporting materials, during the public comment period.

The Department will respond to all significant and timely comments upon issuance of the final document. The permittee and each person who has submitted written comments will receive notice of the Department's final decision to issue, revoke, or redraft the document.

If you have questions or comments regarding the draft action, please contact Robert Hall at (609) 292-4860.

Sincerely,

A handwritten signature in black ink that reads "Melisse Carasia Auriti". The signature is written in a cursive style with some loops and flourishes.

Melisse Carasia Auriti, Section Chief
Bureau of Surface Water Permitting

Enclosures

c: Permit Distribution List

Masterfile #: 3578; PI #: 46474

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Surface Water Permitting

PUBLIC NOTICE

Notice is hereby given that the New Jersey Department of Environmental Protection (Department) proposes to modify the New Jersey Pollutant Discharge Elimination System (NJPDES) Discharge to Surface Water (DSW) Permit NJ0027821 in accordance with N.J.A.C. 7:14A-1 et seq., and by authority of the Water Pollution Control Act at N.J.S.A. 58:10A-1 et seq., for the following discharge:

<u>Applicant or Permittee</u>	<u>Facility</u>
Musconetcong Sewer Authority 110 Continental Drive Budd Lake, NJ 07828	Musconetcong Sewer Authority 110 Continental Drive Mount Olive, NJ, Morris County

The existing facility discharges treated and disinfected domestic wastewater into the Musconetcong River, classified as FW2-TM waters. The Musconetcong River is located within the Delaware River Basin and is a tributary to the Delaware River. The existing facility has NJPDES flow values of 4.31 million gallons per day (MGD) with a future stage flow of 5.79 MGD and currently discharges a monthly average flow of approximately 2.38 MGD. This action proposes effluent limitations based on a flow of 4.31 and 5.79 MGD. Treatment consists of aerated grit removal, flow equalization, primary clarification, aeration, flash mixing, secondary clarification, microscreen filtration, ultraviolet disinfection, and step aeration.

Modification provisions as cited in the permit may be initiated in accordance with the provisions set forth in Part IV and upon written notification from the Department.

A draft NJPDES permit modification has been prepared for this facility based on the administrative record which is on file at the offices of the Department, located at 401 East State Street, Trenton, New Jersey. It is available for inspection, by appointment, Monday through Friday, between 8:30 A.M. and 4:00 P.M. Appointment for inspection may be requested through the Open Public Records Act office. Details are available online at www.nj.gov/dep/opra, or by calling (609) 341-3121.

Written comments or a request that the Department hold a non-adversarial public hearing on the draft document must be submitted in writing to Pilar Patterson, Chief, or Attention: Comments on Public Notice NJ0027821, at Mail Code 401-02B, Division of Water Quality, Bureau of Surface Water Permitting, P.O. Box 420, Trenton, NJ 08625-0420 by the close of the public comment period, which closes thirty calendar days after publication of this notice in the newspaper. Only the changes being proposed in this draft document are open to comment. All other conditions of the existing permit remain in full effect. All persons, including the applicant, who believe that any condition of this draft document is inappropriate or that the Department's decision to issue this draft document is inappropriate, must raise all reasonable arguments and factual grounds supporting their position, including all supporting materials, during the public comment period.

The Department will respond to all significant and timely comments upon issuance of the final document. The permittee and each person who has submitted written comments will receive notice of the Department's permit decision.

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Surface Water Permitting

FACT SHEET

Masterfile #: 3578

PI #: 46474

This fact sheet sets forth the principle facts and the significant factual, legal, and policy considerations examined during preparation of the draft modification permit action. This action has been prepared in accordance with the New Jersey Water Pollution Control Act and its implementing regulations at N.J.A.C. 7:14A-1 *et seq.* - The New Jersey Pollutant Discharge Elimination System.

PERMIT ACTION: Surface Water Major Mod Permit Action

The Department is proposing to modify the existing NJPDES permit to incorporate the requirements for TDS as per the Stipulation of Settlement executed on March 10, 2015.

1 Name and Address of the Applicant:

Musconetcong Sewerage Authority
110 Continental Drive
Budd Lake, NJ 07828

2 Name and Address of the Facility/Site:

Musconetcong Sewerage Authority
110 Continental Drive
Mount Olive, Morris County

3 Discharge Location Information:

A copy of the appropriate section of a USGS quadrangle map indicating the location of the facility and discharge point is included towards the end of this Fact Sheet.

Outfall Designator: 001A

General Information	Watershed Information
Receiving Water: Musconetcong River	Downstream Confluences: Delaware River
Via : Step Aeration Cascade Unit and Rip-Rap	Receiving River Basin: Delaware River Basin
Classification (a): FW2-TM	WMA (b): 01
Latitude: 40° 54' 49.7"	Watershed: Musconetcong River (above Trout Bk)
Longitude: 74° 43' 21"	Subwatershed: Musconetcong River (Wills Bk to Lake Hopatcong)
County: Morris	HUC 14 (c): 02040105150030
Municipality: Mount Olive	Water Quality Impairments (d): pH, temperature
Outfall Description	
Outfall Configuration: non-submerged pipe	

Current Receiving Stream Design Low Flow Values (e)			
MA1CD10 / 1Q10:	3.5 cfs	MA1CD10 (1Q10) summer:	3.5 cfs
MA7CD10 / 7Q10:	4.2 cfs	MA1CD10 (1Q10) winter:	5.4 cfs
75 th percentile flow (f):	15 cfs	MA30CD10 (30Q10) summer:	5.2 cfs
		MA30CD10 (30Q10) winter:	10 cfs

Footnotes:

- (a) The designated uses for this waterbody classification can be found at N.J.A.C. 7:9B-1.12.
- (b) WMA = Watershed Management Area
- (c) HUC 14 = 14 digit Hydrologic Unit Code
- (d) These parameters are listed on Sublist 5 as impaired for this waterbody as per New Jersey's 2010 Integrated Water Quality Monitoring and Assessment Report (includes 305(b) Report and 303(d) List).
- (e) Please refer to Section 6 for the specific stream design low flow values utilized in parameter limitation calculations. These flow values represent a point upstream of the facilities discharge upstream of the braiding in the main channel of the Musconetcong River.
- (f) The 75th percentile flow is defined as the flow which is exceeded 75 percent of the time for the appropriate "period of record" as determined by the United States Geological Survey (USGS).

As per the Surface Water Quality Standards at N.J.A.C. 7:9B, the designated uses for the Freshwater 2 (FW2) receiving waters are:

1. Maintenance, migration and propagation of the natural and established biota;
2. Primary and secondary contact recreation;
3. Industrial and agricultural water supply;
4. Public potable water supply after conventional filtration treatment (a series of processes including filtration, flocculation, coagulation, and sedimentation, resulting in substantial particulate removal but no consistent removal of chemical constituents) and disinfection; and .
5. Any other reasonable uses.

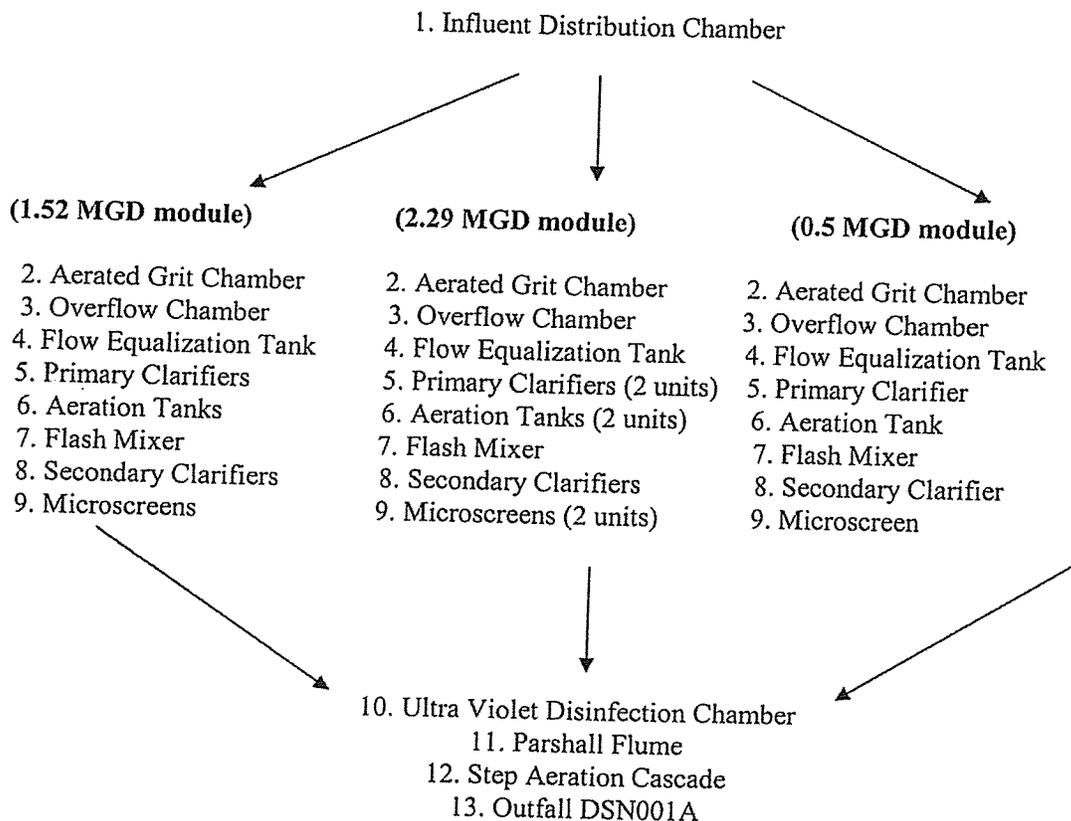
As noted in Section 3 above, this segment of the Musconetcong River is impaired for pH and Temperature. This permit requires the permittee to monitor and report for temperature. In addition, minimum and maximum effluent limits are imposed for pH.

4 Facility Description:

The facility is classified as a major discharger by the Department of Environmental Protection (Department) in accordance with the United States Environmental Protection Agency (EPA) rating criteria. The facility's NJPDES flow value is 4.31 million gallons per day (MGD) with a future staged flow of 5.79 MGD.

The permittee is a non-delegated local agency, and the Department will implement the Industrial Pretreatment Program (IPP) requirements as set forth in 40 CFR 403.8(f). However, non-delegated status does not relieve the permittee from the responsibility of controlling the wastewater that it accepts for treatment if that wastewater violates the local sewer use ordinance or regulations or causes the permittee to violate the terms of its NJPDES permit. The IPP in the non-delegated area will be a cooperative effort between the permittee and the Department to resolve problems when they arise.

Sanitary wastewater is processed through the following units



The three modules specified above comprise a total flow of 4.31 MGD. In the future, an additional module may be added to accommodate up to 5.79 MGD.

All residuals generated at this facility will be managed off-site at an approved residuals management operation.

5 Summary of Permit Conditions:

A. Background

On April 15, 2015, the Department issued a final revoke and reissue permit action to the permittee to modify the effluent limitations based on revised USGS stream flow values. While the draft permit was being prepared, a Stipulation of Settlement was being written to address these issues as well as issues related to contested permit conditions for other parameters, including Total Dissolved Solids (TDS). The Stipulation of Settlement was executed on March 10, 2015. Subsequently, the revoke and reissue permit was issued final on April 15, 2015. In the Stipulation of Settlement, it was noted that the Department would remove the TDS effluent limitations for both the 4.31 MGD and 5.79 MGD flows and only include monitoring and reporting. However, the Department inadvertently included Water Quality Based Effluent Limitations for TDS for the 5.79 MGD flow in the draft and final permit.

B. Basis for Modified Permit Conditions:

Since the Department agreed in the Stipulation of Settlement to only require monitoring and reporting for TDS for both the 4.31 MGD and 5.79 MGD flows, the Department is hereby proposing to remove the concentration limitations of 576 mg/L as a monthly average and 864 mg/L as a weekly average as well as the corresponding loading limitations of 12,623 kg/day as a monthly average and 18,935 as a weekly average from Table III- A-3 of the final permit. The permit will only require monitoring and reporting for both the concentration and loading.

6 Description of Procedures for Reaching a Final Decision on the Draft Action:

Please refer to the procedures described in the public notice published in the DEP Bulletin. In accordance with N.J.A.C. 7:14A-16.3(e), only those modifications being proposed in this draft document are open to public comment.

7 Contact Information

If you have any questions regarding this permit action, please contact Robert Hall, Bureau of Surface Water Permitting at (609) 292-4860.



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0027821

Final: Surface Water Revoke & Reissue Permit Action

Permittee:

Musconetcong Sewer Authority
110 Continental Drive
Budd Lake, NJ 07828

Co-Permittee:

Property Owner:

Musconetcong Sewer Authority
110 Continental Drive
Budd Lake, NJ 07828

Location Of Activity:

Musconetcong Sewerage Authority
110 Continental Drive
Mount Olive, Morris County

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
A - Sanitary Wastewater – Revoke/Reissue	04/15/2015	07/01/2015	06/30/2020
A - Sanitary Wastewater – Major Modification (Removal of TDS WQBELs)	Pending	07/01/2015	06/30/2020

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Melisse Carasia Auriti, Section Chief
Bureau of Surface Water Permitting
Division of Water Quality

(Terms, conditions and provisions attached hereto)

Division of Water Quality

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Table III - A - 3: Surface Water DMR Limits and Monitoring Requirements

Parameter	Sample Point	PHASE Start Date:			PHASE End Date:			Units	Limit	Frequency	Sample Type
		Limit	Limit	Limit	Limit	Limit	Limit				
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	15.34 Monthly Average	35.06 Daily Maximum	KG/DAY	****	0.7 Monthly Average	1.6 Daily Maximum	MG/L	2/Week	24 Hour Composite	
	QL	***	***		***	***	***	***			
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	40.54 Monthly Average	89.85 Daily Maximum	KG/DAY	****	1.85 Monthly Average	4.1 Daily Maximum	MG/L	2/Week	24 Hour Composite	
	QL	***	***		***	***	***	***			
Nitrogen, Nitrate Total (as N)	Effluent Gross Value	314 Monthly Average	557 Daily Maximum	KG/DAY	****	14.3 Monthly Average	25.4 Daily Maximum	MG/L	2/Week	24 Hour Composite	
	QL	***	***		***	***	***	***			
January thru December E. Coli	Effluent Gross Value	****	****	****	****	126 Monthly Average	REPORT Instant Maximum	#/100ML	8/Month	Grab	
	QL	***	***		***	***	***	***			
January thru December Solids, Total Dissolved (TDS)	Effluent Gross Value	REPORT Monthly Average	REPORT Weekly Average	KG/DAY	****	REPORT Monthly Average	REPORT Weekly Average	MG/L	2/Week	24 Hour Composite	
	QL	***	***		***	***	***	***			
January thru December IC25 State 7day Chl Cerioclaphnia	Effluent Gross Value	****	****	****	41 Report Per Minimum	****	****	%EFFL	1/6 Months	Composite	
	QL	***	***		***	***	***	***			
January thru December Temperature, oC	Raw Sew/influent	****	****	****	REPORT Instant Minimum	REPORT Monthly Average	REPORT Instant Maximum	DEG.C	3/Day	Grab	
	QL	***	***		***	***	***	***			

Lashway, Lisa

From: Hall, Robert [Robert.Hall@dep.nj.gov]
Sent: Thursday, June 11, 2015 9:56 AM
To: 'jschilling@msa-nj.org'; Scatton, Joan; Panico, Frank M.; Paull, Rich; DeMuro, Paul; Lashway, Lisa; 'region2_npd@epa.gov'; Kovach, David; beth@musconetcong.org; dmhlhc@verizon.net
Cc: Carasia-Auriti, Melisse; Genievich, Heather
Subject: Draft Major Modification Action - Musconetcong SA - NJ0027821
Attachments: MSA Draft Major Mod Action.pdf

Please find attached the Draft Surface Water Renewal Permit Action for the above mentioned facility as prepared by The Bureau of Surface Water Permitting. The Department has attached a PDF'd version of the draft permit to provide you an opportunity to submit any formal comments regarding the draft within 30 days after publication in the newspaper as explained in the cover letter.. If you have any questions or comments regarding the draft permit action, please contact me via email at or at (609) 292-4860.