

Application Type Amendment, Major
Facility Type Non-Municipal
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0219258 A-1
APS ID 1007134
Authorization ID 1297850

Applicant and Facility Information

Applicant Name	<u>Mechling Shakley Veterans Center Inc.</u>	Facility Name	<u>Mechling Shakley Veterans Center</u>
Applicant Address	<u>1431 State Route 268</u> <u>Cowansville, PA 16218</u>	Facility Address	<u>Mechling Shakley Veterans Cent</u> <u>Cowansville, PA 16218</u>
Applicant Contact	<u>Sean Taladay</u>	Facility Contact	<u>Sean Taladay</u>
Applicant Phone	<u>(724) 545-9016</u>	Facility Phone	<u>(724) 545-9016</u>
Client ID	<u>162952</u>	Site ID	<u>552248</u>
Ch 94 Load Status	<u>Not overloaded</u>	Municipality	<u>Sugarcreek Township</u>
Connection Status	<u>---</u>	County	<u>Armstrong</u>
Date Application Received	<u>November 12, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 5, 2019</u>	If No, Reason	<u>---</u>
Purpose of Application	<u>Major amendment to reduce the monitoring frequency of pH, DO, and TRC.</u>		

Summary of Review

This is a major amendment of an NPDES permit to reduce the monitoring of pH, dissolved oxygen (DO), and Total Residual Chlorine (TRC) from 1/day to 3/week. This permit was originally issued by the SWRO and then transferred to the NWRO. The SWRO and NWRO jointly coordinated this amendment with the permittee.

The permittee did not comment on the draft permit and the permit was issued with daily monitoring. The cost associated with the daily monitoring is a financial burden to the facility. Daily monitoring requirements are being imposed in sewage NPDES permits for pH, DO, and TRC (or UV) in accordance with the Department's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Sewage Individual NPDES Permit Applications" dated November 9, 2012 and revised October 11, 2013 (Version 1.8). The Department has been willing to reduce the daily monitoring requirements, when requested, for one permit cycle to allow for necessary operational changes to accommodate daily sampling with the anticipation that daily monitoring will be imposed in the next permit cycle. Considering that the permittee did not comment on the draft permit and the final permit was issued with the daily monitoring requirement, a major amendment is required to reduce the monitoring frequency.

There are NO open violations in WMS for the subject Client ID (162952) as of December 9, 2019.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	
X		John A. Holden, P.E. / Environmental Program Manager	

Compliance History

DMR Data for Outfall 001 (from December 1, 2017 to November 30, 2018)

Parameter	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18
Flow (MGD) Average Monthly	0.0009	0.001	0.001	0.0013	0.0013	0.0015	0.0014	0.002	0.002	0.002	0.002	0.002
pH (S.U.) Minimum	7.02	7.1	6.97	6.93	6.7	6.78	7.14	7.24	7.28	7.41	7.23	6.80
pH (S.U.) Maximum	7.39	7.2	7.38	7.09	7.02	6.84	7.26	7.45	7.37	7.57	7.34	7.45
DO (mg/L) Minimum	6.48	6.38	6.53	6.41	6.38	6.55	7.52	6.22	7.02	6.78	6.86	7.53
TRC (mg/L) Average Monthly	0.01	0.01	< 0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.004	< 0.001
TRC (mg/L) Instantaneous Maximum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	< 0.001
CBOD5 (mg/L) Average Monthly	3.0	3.0	3.6	3.2	3.1	4.3	3.4	4.70	3.00	7.55	3.00	3.65
CBOD5 (mg/L) Weekly Average	3.0	3.0	4.1	3.4	3.1	5.1	3.8	4.90	3.00	8.60	3.00	3.90
CBOD5 (mg/L) IMAX	3.0	3.0	4.1	3.4	3.1	5.1	3.8	-	-	-	-	-
TSS (mg/L) Average Monthly	4.0	4.5	4.0	5.5	4.5	3.0	3.0	5.50	3.00	6.50	3.00	3.00
TSS (mg/L) Weekly Average	5.0	6.0	5.0	8.0	6.0	3.0	3.0	8.00	3.00	7.00	3.00	3.00
Fecal Coliform (CFU/100 ml) Geometric Mean	43	6	18	8	3	2	1	3.00	7.00	45.00	2.00	1.00
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	54	40	31	34	11	5	1	8.00	41.00	1986.00	2.00	1.00
Total Nitrogen (mg/L) Average Monthly		49.8										29.90
Ammonia (mg/L) Average Monthly	0.28	0.16	0.24	0.4	0.26	0.22	1.19	0.36	0.31	1.63	0.27	0.96
Ammonia (mg/L) Instantaneous Maximum	0.4	0.19	0.28	0.55	0.32	0.28	2.11	0.52	0.38	2.66	0.34	1.72
Total Phosphorus (mg/L) Average Monthly		7.35										6.27

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (362-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Average Monthly	Weekly Average	Maximum	Instant. Maximum		
Flow (MGD)	0.008	XXX	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	3/week	Grab
DO	XXX	XXX	6.0 Inst Min	XXX	XXX	XXX	3/week	Grab
TRC	XXX	XXX	0.01	XXX	XXX	0.03	3/week	Grab
CBOD5	XXX	XXX	10.0	15.0	XXX	20.0	2/month	Grab
TSS	XXX	XXX	10.0	15.0	XXX	20.0	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	2.5 Avg Mo	XXX	5.0	2/month	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.9 Avg Mo	XXX	3.8	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	Report Daily Max	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection
Other Comments: None