Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0104141**
Facility Type	**Municipal**	APS ID	**1126534**
Major / Minor	**Minor**	Authorization ID	**1507954**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Jay Township Authority**	Facility Name	**Jay Township Weedville STP**
Applicant Address	PO Box 186 81 E Teaberry Street	Facility Address	1766 Redwood Avenue
	Weedville, PA 15868-0186		Weedville, PA 15868
Applicant Contact	Kathy Blake	Facility Contact	
Applicant Phone	(814) 787-7233	Facility Phone	
Client ID	78795	Site ID	457573
Ch 94 Load Status	Not Overloaded	Municipality	Jay Township
Connection Status	No Limitations	County	Elk
Date Application Received	November 26, 2024	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: Renewal of a NPDES Permit for an existing discharge of treated sewage.

Summary of Review

This is a Phase 4 facility discharging to the Chesapeake Bay Watershed. This site is designated as a non-significant discharger because it has a design flow less than 0.4 MGD.

Quarterly E. Coli monitoring was added per department SOP. Annual monitoring for Aluminum, Iron, and Manganese were also added.

There are currently no open violations for this client (78795) as of 11/18/2025.

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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	November 19, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	January 29, 2026

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.2
Latitude	41º 16' 28.34"	Longitude	-78º 29' 22.60"
Quad Name	Weedville	Quad Code	41078C4
Wastewater Description:	Sewage Effluent		

Receiving Waters	Bennett Branch (WWF)	Stream Code	24508
NHD Com ID	61431746	RMI	28.0
Drainage Area	93	Yield (cfs/mi^2)	0.0328
Q_{7-10} Flow (cfs)	3.05	Q_{7-10} Basis	Streamstats
Elevation (ft)	1155	Slope (ft/ft)	---
Watershed No.	8-A	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	METALS, METALS, METALS, METALS		
Source(s) of Impairment	ACID MINE DRAINAGE, ACID MINE DRAINAGE, ACID MINE DRAINAGE, ACID MINE DRAINAGE		
TMDL Status	**Final, 011/19/2008**	Name	**Bennett Branch Sinnemahoning Creek**

Background/Ambient Data		Data Source
pH (SU)	7.0	Default
Temperature (°F)	25	Default
Hardness (mg/L)	100	Default
Other:	0.1	Default

Nearest Downstream Public Water Supply Intake		Keystone Water Company	
PWS Waters	West Branch Susquehanna River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: None.

Other Comments: None.

Treatment Facility Summary

Treatment Facility Name: Jay Township Weedville STP

WQM Permit No.	Issuance Date
2405401	8/02/2005
2498401	3/20/1998
2491402 A-1	8/27/1996

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Sequencing Batch Reactor	Ultraviolet	0.2

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.2	367	Not Overloaded	Aerobic Digestion	Landfill

Changes Since Last Permit Issuance: None.

Other Comments: None.

Compliance History

DMR Data for Outfall 001 (from October 1, 2024 to September 30, 2025)

Parameter	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24
Flow (MGD) Average Monthly	0.0715	0.0648	0.0721	0.1135	0.123	0.1137	0.1006	0.1406	0.0763	0.1073	0.0726	0.0744
Flow (MGD) Daily Maximum	0.1264	0.1241	0.102	0.2829	0.2789	0.2594	0.3174	0.311	0.2361	0.2261	0.1313	0.1379
pH (S.U.) Daily Minimum	6.9	6.87	6.68	6.82	6.72	6.7	6.8	6.67	6.75	6.83	6.33	6.77
pH (S.U.) Daily Maximum	7.43	7.55	7.03	7.52	7.06	7.1	7.15	7.28	7.32	7.21	7.21	7.18
DO (mg/L) Daily Minimum	4.13	4.41	4.1	4.01	4.0	4.1	4.04	4.04	4.07	7.39	4.02	4.01
CBOD5 (lbs/day) Average Monthly	< 2	< 2	3	< 3	6	< 3	< 3	< 2	2	< 4	< 2	< 1.0
CBOD5 (lbs/day) Weekly Average	< 2	4	5	8	15	5	9	4	4	5	2	< 1.0
CBOD5 (mg/L) Average Monthly	< 2.6	< 3.3	4.8	< 2.9	4.9	< 3.8	< 2.4	< 2.2	2.3	< 3.9	< 2.4	< 2.1
CBOD5 (mg/L) Weekly Average	4.0	6.0	10.0	4.0	8.0	7.0	3.0	3.0	2.0	6.0	3.0	< 2.0
BOD5 (lbs/day) Raw Sewage Influent Average Monthly	102	49	62	< 76	87	80	100	123	109	96	81	74
BOD5 (lbs/day) Raw Sewage Influent Daily Maximum	165	93	96	< 142	118	138	163	160	206	112	108	105
BOD5 (mg/L) Raw Sewage Influent Average Monthly	144	122.7	101.5	< 74.8	79.3	100.5	96.7	120.4	127	93.4	123.4	137.7
TSS (lbs/day) Average Monthly	5	5	10	6	15	5	9	7	4	6	< 3	< 3
TSS (lbs/day) Raw Sewage Influent Average Monthly	50	15	22	31	54	29	58	64	35	39	32	41
TSS (lbs/day) Raw Sewage Influent Daily Maximum	102	31	35	52	123	51	95	159	73	60	56	59

TSS (lbs/day) Weekly Average	8	15	29	13	46	7	26	11	9	9	3	5
TSS (mg/L) Average Monthly	8.6	10.6	17.4	5.5	10.7	5.7	5.5	6.6	4.8	5.8	< 4.1	< 5.3
TSS (mg/L) Raw Sewage Influent Average Monthly	70	34	37	32	44	36	55	58	49	40	49	78
TSS (mg/L) Weekly Average	14.0	22.7	54.0	8.0	24.0	9.0	10.0	9.0	6.0	6.0	5.0	10.0
Fecal Coliform (No./100 ml) Geometric Mean	8.0	4	11	21	24	> 69	3.0	4	9.0	9	5.0	4.0
Fecal Coliform (No./100 ml) Instantaneous Maximum	39.9	39.9	86.5	90.9	416.5	2419.6	35.9	9.8	19.7	146.4	17	9.8
UV Transmittance (%) Average Monthly	70.5	70.3	68.3	71.6	72	72.1	75.0	73.4	69.8	72	65.6	69.5
Nitrate-Nitrite (mg/L) Average Monthly	2.08	3.703	4.909	3.648	< 2.0	2.308	2.322	3.851	2.95	2.136	4.47	11.56
Nitrate-Nitrite (lbs) Total Monthly	26	0.4	120	80	< 78	49	48	91	70	91	74	184
Total Nitrogen (mg/L) Average Monthly	6.11	5.084	5.882	4.887	3.797	6828	3.162	4.606	4.374	3.093	5.629	12.06
Total Nitrogen (lbs) Total Monthly	77	5.0	144	106	149	145	65	109	103	132	93	191
Ammonia (lbs/day) Average Monthly	< 0.3	< 1.0	< 0.7	< 0.1	1.0	0.7	< 0.3	< 0.5	< 0.1	< 2	0.06	< 0.06
Ammonia (mg/L) Average Monthly	< 0.54	< 1.648	< 1.289	< 0.1	1.1761	0.8303	< 0.1581	< 0.366	< 0.1255	< 2.5502	< 0.1	< 0.1189
Ammonia (lbs) Total Monthly	< 8	< 34	< 23	< 3	46	20	< 9	< 15	< 3	< 66	< 2	< 2
TKN (mg/L) Average Monthly	4.03	1.381	5.882	1.239	3.797	4.52	0.8402	0.7547	1.424	0.9569	1.159	< 0.5
TKN (lbs) Total Monthly	51	0.1	144	26	149	96	17	18	34	41	19	< 8
Total Phosphorus (mg/L) Average Monthly	4.94	6.27	6.51	4.4	2.88	2.46	2.42	1.68	2.91	2.68	4.12	4.6
Total Phosphorus (lbs) Total Monthly	62	0.6	160	95	113	52	50	40	69	114	68	73

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .2
Latitude 41º 16' 26.70" **Longitude** -78º 29' 20.30"
Wastewater Description: Sewage Effluent

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
$CBOD_5$	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
Total Suspended Solids	30	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	45	Average Weekly	133.102(b)(2)	92a.47(a)(2)
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
Fecal Coliform (5/1 – 9/30)	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
Fecal Coliform (10/1 – 4/30)	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
Total Aluminum	Report	Annual Average	-	92a.61(b)
Total Iron	Report	Annual Average	-	92a.61(b)
Total Manganese	Report	Annual Average	-	92a.61(b)

Comments: The TRC Limit is not applicable because UV disinfection is utilized at the plant.

Water Quality-Based Limitations

The following limitations were determined through water quality modeling (output files attached):

Parameter	Limit (mg/l)	SBC	Model
$CBOD_5$	25	Average Monthly	WQM 7.0, Version 1b
Ammonia-Nitrogen	16.32	Average Monthly	WQM 7.0, Version 1b
Ammonia-Nitrogen	32.64	Instantaneous Maximum	WQM 7.0, Version 1b
Dissolved Oxygen	4.0	Daily Minimum	WQM 7.0, Version 1b
Total Aluminum	Report	Annual Average	
Total Iron	Report	Annual Average	
Total Manganese	Report	Annual Average	

Comments: $CBOD_5$ and Ammonia-Nitrogen limits output by modeling are less stringent than the current ones, so the existing limits shall be retained.

Best Professional Judgment (BPJ) Limitations

Comments: A Dissolved Oxygen limit of 4.0 mg/l and monitoring for UV transmittance are kept per Department SOP on Establishing Effluent Limitations for Individual Sewage Permits. Monitoring for raw sewage influent BOD_5 and TSS were added in the previous permit and are being retained.

This is a Phase 4 facility with a discharge with a discharge to the Chesapeake Bay Watershed. No cap loads are or will be assigned to the facility since it is not a new or expanding discharge. This strategy follows the standard procedure for

Phase 4 facilities which is outlined in the Department's "Phase III Watershed Implementation Plan (WIP) for the Chesapeake Bay Watershed," which instructs sewage discharges to continue following guidance found in the document entitled "Supplement to Phase II (Now "III") Watershed Implementation Plan," last revised on July 19, 2022. Monitoring for Nitrate-Nitrite as N, Kjeldahl---N, total nitrogen and total phosphorus; calculation for these parameters as a total monthly load; and calculation for ammonia nitrogen, total nitrogen and total phosphorus as a total annual load was placed in the permit in accordance with the abovementioned documents.

Anti-Backsliding

N/A

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" (386-0400-001), 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	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	1/day	Grab
DO	XXX	XXX	4.0 Daily Min	XXX	XXX	XXX	1/day	Grab
CBOD5	25	37	XXX	15.0	22.5	30	1/week	8-Hr Composite
BOD5 Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	8-Hr Composite
TSS Raw Sewage Influent	Report	Report Daily Max	XXX	Report	XXX	XXX	1/week	8-Hr Composite
TSS	41	66	XXX	30.0	40.0	50	1/week	8-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/quarter	Grab
UV Transmittance (%)	XXX	XXX	XXX	Report	XXX	XXX	1/day	Metered
Nitrate-Nitrite	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite
Nitrate-Nitrite (lbs)	Report Total Mo	XXX	XXX	XXX	XXX	XXX	1/month	Calculation

Outfall 001, Continued (from 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	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	Calculation
Total Nitrogen (lbs)	Report Total Mo	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Ammonia Nov 1 - Apr 30	10	XXX	XXX	6.0	XXX	12	1/week	8-Hr Composite
Ammonia May 1 - Oct 31	3.3	XXX	XXX	2.0	XXX	4	1/week	8-Hr Composite
Ammonia (lbs)	Report Total Mo	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
TKN	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite
TKN (lbs)	Report Total Mo	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	8-Hr Composite
Total Phosphorus (lbs)	Report Total Mo	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Total Aluminum	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite
Total Iron	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite
Total Manganese	XXX	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	8-Hr Composite

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: None.

WQM 7.0 Wasteload Allocations

SWP Basin	Stream Code	Stream Name
08A	24508	BENNETT BRANCH SINNEMAHONING CREEK

NH3-N Acute Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
28.000	Jay TWP Weedvil	11.82	50	11.82	50	0	0

NH3-N Chronic Allocations

RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
28.000	Jay TWP Weedvil	1.4	16.32	1.4	16.32	0	0

Dissolved Oxygen Allocations

RMI	Discharge Name	CBOD5		NH3-N		Dissolved Oxygen		Critical Reach	Percent Reduction
		Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)		
28.00	Jay TWP Weedvil	25	25	16.32	16.32	4	4	0	0

WQM 7.0 D.O.Simulation

SWP Basin	Stream Code	Stream Name
08A	24508	BENNETT BRANCH SINNEMAHONING CREEK

RMI	Total Discharge Flow (mgd)	Analysis Temperature (°C)	Analysis pH
28.000	0.200	24.469	7.000
Reach Width (ft)	**Reach Depth (ft)**	**Reach WDRatio**	**Reach Velocity (fps)**
32.201	0.672	47.917	0.135
Reach CBOD5 (mg/L)	**Reach Kc (1/days)**	**Reach NH3-N (mg/L)**	**Reach Kn (1/days)**
4.44	0.449	1.82	0.987
Reach DO (mg/L)	**Reach Kr (1/days)**	**Kr Equation**	**Reach DO Goal (mg/L)**
7.164	4.053	Tsivoglou	5
Reach Travel Time (days)			
1.448			

Subreach Results

TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
0.145	4.10	1.58	6.52
0.290	3.79	1.37	6.30
0.434	3.50	1.19	6.30
0.579	3.23	1.03	6.41
0.724	2.98	0.89	6.57
0.869	2.75	0.77	6.74
1.014	2.54	0.67	6.91
1.158	2.35	0.58	7.07
1.303	2.17	0.50	7.21
1.448	2.00	0.44	7.35

RMI	Name	Permit Number	Disc Flow (mgd)	Parameter	Effl. Limit 30-day Ave. (mg/L)	Effl. Limit Maximum (mg/L)	Effl. Limit Minimum (mg/L)
28.000	Jay TWP Weedvil	PA0104141	0.200	CBOD5	25		
				NH3-N	16.32	32.64	
				Dissolved Oxygen			4

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
08A	24508	BENNETT BRANCH SINNEMAHONI	**28.000**	1155.00	93.00	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.028	0.00	0.00	0.000	0.000	0.0	0.00	0.00	25.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
Jay TWP Weedvil	PA0104141	0.2000	0.0000	0.0000	0.000	20.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	4.00	7.54	0.00	0.00
NH3-N	25.00	0.10	0.00	0.70

Input Data WQM 7.0

SWP Basin	Stream Code	Stream Name	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope (ft/ft)	PWS Withdrawal (mgd)	Apply FC
08A	24508	BENNETT BRANCH SINNEMAHONI	**24.810**	1107.00	133.00	0.00000	0.00	☑

Stream Data

Design Cond.	LFY (cfsm)	Trib Flow (cfs)	Stream Flow (cfs)	Rch Trav Time (days)	Rch Velocity (fps)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Tributary Temp (°C)	Tributary pH	Stream Temp (°C)	Stream pH
Q7-10	0.028	0.00	0.00	0.000	0.000	0.0	0.00	0.00	25.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
		0.0000	0.0000	0.0000	0.000	25.00	7.00

Parameter Data

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	25.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	25.00	0.00	0.00	0.70

WQM 7.0 Hydrodynamic Outputs

SWP Basin	Stream Code	Stream Name
08A	24508	BENNETT BRANCH SINNEMAHONING CREEK

RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope (ft/ft)	Depth (ft)	Width (ft)	W/D Ratio	Velocity (fps)	Reach Trav Time (days)	Analysis Temp (°C)	Analysis pH
Q7-10 Flow												
28.000	2.60	0.00	2.60	.3094	0.00285	.672	32.2	47.92	0.13	1.448	24.47	7.00
Q1-10 Flow												
28.000	1.67	0.00	1.67	.3094	0.00285	NA	NA	NA	0.11	1.800	24.22	7.00
Q30-10 Flow												
28.000	3.54	0.00	3.54	.3094	0.00285	NA	NA	NA	0.16	1.239	24.60	7.00

WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	☑
WLA Method	EMPR	Use Inputted W/D Ratio	☐
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	☐
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	☑
D.O. Saturation	90.00%	Use Balanced Technology	☑
D.O. Goal	5		