

Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

**PA0222879**

APS ID

**1066581**

Authorization ID

**1401593**

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

**Applicant and Facility Information**

Applicant Name	<b>Thomas C Heenan</b>	Facility Name	<b>Hickory Creek Wilderness Ranch</b>
Applicant Address	PO Box 93 2516 Economite Road E	Facility Address	Economite Road
	Tidioute, PA 16351-0093		Tidioute, PA 16351
Applicant Contact	Thomas Heenan	Facility Contact	
Applicant Phone	(814) 484-7520	Facility Phone	
Client ID	111366	Site ID	482648
Ch 94 Load Status		Municipality	Limestone Township
Connection Status		County	Warren
Date Application Received	<u>June 30, 2022</u>	EPA Waived?	Yes
Date Application Accepted		If No, Reason	
Purpose of Application	This is an application to renew a privately owned minor facility that has not yet been constructed.		

**Summary of Review**

The subject application is for the renewal of an NPDES permit for a horse trail riding / rodeo recreational facility discharging to an unnamed tributary to Camp Run with an exceptional value (EV) designated use. The treatment facilities and associated discharge have not been constructed with exception of the septic tank which is currently used as a holding tank. The existing septic tank (holding tank) is permitted at 16,000-gallons including 10,000-gallons of flow equalization but is reported to only be a 10,000-gallon septic tank (holding tank). Proposed is a minor treated sewage discharge to a dry un-named tributary of Camp Run.

At the time of the original permit issuance (September 7, 1999), the receiving stream was designated as High Quality – Cold Water Fishery (HQ-CWF) with Social and Economic Justification (SEJ) approval for a high-quality cold-water fishery dated June 23, 1999. Camp Run discharges to East Hickory Creek and this stream was reassessed as part of a Water Quality Standards Review Stream Redesignation Evaluation dated May 2006. The Evaluation recommended the designated use for East Hickory Creek, including tributaries, to be changed from HQ-CWF to Exceptional Value (EV). The stream was reclassified as EV on April 3, 2010, with publication in the Pennsylvania Bulletin as part of the Blue Eye Run et al stream reclassification. The Department provided public notice of the stream evaluation and requested any technical data from the general public through publication in the Pennsylvania Bulletin on April 27, 2002 (32 Pa.B. 2162). A similar notice was published on April 26, 2002, in the Times Observer as well as 4 other newspapers in the localities of the other streams evaluated. The May 2006 Water Quality Standards Review Stream Redesignation Evaluation stated that there were no NPDES permitted discharges located in the basin. Additionally, Limestone Township was notified of the evaluation.

Future expansion and/or increased flows beyond the permitted flow will be subject to the requirements of 25 Code Chapter 93 and the Water Quality Antidegradation Implementation Guidance document.

The following is a timeline of the permit history:

Approve	Deny	Signatures	Date
X		Dustin Hargenrater Dustin Hargenrater / Project Manager	March 14, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	March 14, 2025

**Summary of Review**

- December 24, 1998 – Planning approved
- June 23, 1999 - SEJ approval for HQ stream discharge
- September 7, 1999 – NPDES Permit (PA0222879) issued with an effective date of 10/1/1999.
- May 8, 2000 – WQM Permit (6200402) issued
- July 17, 2003 – WQM Permit (6200402) amended to change sand filter design
- May 31, 2005 – NPDES Permit reissued with an effective date of 6/1/2005.
- February 9, 2010 – NPDES Permit Renewal Application received
- April 3, 2010 – Stream reclassified as EV
- June 7, 2011 - NPDES Permit reissued with an effective date of 7/1/2011.
- July 5, 2012 – Site meeting held with SEO to review onlot alternatives.
- March 26, 2013 through March 27, 2013 – Email exchange discussing onlot alternatives reviewed at site meeting held on 7/5/2012. Last email provides confirmation from permittee on plans to proceed with pursuing onlot alternatives.
- July 1, 2015 – Reminder letter sent to remind permittee that renewal application is due 1/2/2016 (permit expiration date of 6/30/2016)
- May 11, 2016 – NPDES Permit Renewal Application received LATE (due on 1/2/2016)
- March 24, 2017 – Technical Deficiency Letter sent
- April 12, 2017 – TD Response Letter received (dated 4/5/2017)
- April 26, 2017 – Email sent to permittee providing background information from 7/5/2012 site meeting
- June 14, 2017 – Email from applicant providing additional response to TD letter/emails

There have been no new developments in this case since issuance of the last permit. There was a complaint filed in July of 2024 and the inspection report is as follows:

"Due to a public complaint of sewage odor and overflow, I scheduled a site visit through property owner, Tom Heenan, Jr. (814-730-0499) I arrived on site at approximately 1 PM and shortly after met with Tom Heenan, Sr., who accompanied me to a 10,000-gallon septic holding tank. A hand drawn sketch is provided on Photo 1, and pictures of the concrete tank are provided on Photos 2-3. There is an approximately 10" access cover on the corner of the receiving end of the tank, as shown on Photo 4 and an approximately 24-inch access cover on the opposite corner. There is no flow measurement device or high-level alarm on the tank. There was no evidence of overflow observed around the tank. We subsequently met with Chuck Van Riper, father-in-law of Tom Heenan Jr., who drove us around for an overview tour of the campground. Per Mr. Heenan, there are 66 sites with water/sewage hookups, 2 cabins, and 4-5 acres for primitive camping. There is a porta potty in the primitive camping area. Site amenities include a laundry/shower/restroom building and a dump station. I also met Richard and Shar Wilkerson, campground host/hostess. As shown in Photo 5, the dump station is a pipe in the ground, which routes to the holding tank. Campers connect independently, and we discussed the potential for spillage. I recommended a sloped concrete pad with berm around the pipe to contain any potential spills. No sewage odor was detected during the inspection or during pre and post inspection travel on Economite Road. A tank pumping records summary was emailed from Jennifer Heenan on 7/31/24 (Photo 6). In 2023, from 5/5 - 10/9/23, 17,500 gallons were hauled. In 2024, from 4/23 - 7/19/24, 20,000 gallons has been hauled by Bush Septic. The site's permit renewal application was received on 6/30/22 in the Northwest Regional Office. During the 2017 permit renewal process, it was noted that the facility had indicated a plan to hire a soil scientist and further investigate onlot sewage disposal options. Further paperwork review is pending as part of the renewal process."

Investigation into the site for this renewal prompted a meeting between section chiefs and the program manager. The Department would strongly encourage the permittee to investigate non-discharge alternatives with consideration that a non-discharge alternative such as on-lot disposal and/or hauling would be most protective of the receiving streams designated exceptional value (EV). On-lot disposal may provide the facility with more flexibility for future expansion considering that future expansion and/or increased flows beyond the permitted flow will be subject to the requirements of 25 Code Chapter 93 and the Water Quality Antidegradation Implementation Guidance document (document number 391-0300-002). Mr. Heenan gets the holding tank pumped out on a weekly basis during operational season.

Sludge use and disposal description and location(s): Sewage is collected in a 10,000-gallon holding tank and pumped out weekly during operational months. No discharge or treatment occurs at the facility.

**Summary of Review**

**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.

**Discharge, Receiving Waters and Water Supply Information**

Outfall No. 001  
Latitude 4° 39' 36.30"  
Quad Name Cobham  
Wastewater Description: Sewage Effluent

Design Flow (MGD) .0037  
Longitude -79° 20' 39.92"  
Quad Code 41079F3

Receiving Waters	<u>Camp Run (EV)</u>	Stream Code	<u>Dry Stream Discharge – Perennial Conditions at Stream Code 55689</u>
NHD Com ID	<u>100471023</u>	RMI	<u>0.7300</u>
Drainage Area	<u>0.038</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.001</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.001</u>	Q <sub>7-10</sub> Basis	<u>Dry Stream Discharge – USGS StreamStats</u>
Elevation (ft)	<u>1559</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-F</u>	Chapter 93 Class.	<u>EV</u>
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data

pH (SU) 6.8  
Temperature (°F) 20  
Hardness (mg/L) 100  
Other: \_\_\_\_\_

Data Source  
Based on WQN 862. An alternative is 6.5 and the default is 7.0

Default

Default

Nearest Downstream Public Water Supply Intake  
PWS Waters Allegheny River  
PWS RMI 90.0

Aqua Pennsylvania Inc. - Emlenton

Flow at Intake (cfs) 1,376

Distance from Outfall (mi) 78

Changes Since Last Permit Issuance: No changes since last permit issuance, the treatment facility still has yet to be constructed.

**Development of Effluent Limitations**

Outfall No. 001  
Latitude 41° 39' 44.39"  
Wastewater Description: Sewage Effluent

Design Flow (MGD) .0037  
Longitude -79° 20' 59.32"

**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 <sub>5</sub>	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)

Comments: Currently, the site has not been constructed; therefore, the limitations from the previous permit will be retained in this renewal. The current limitations in the previous permit for CBOD<sub>5</sub>, Ammonia-Nitrogen, and D.O are more stringent than the limits in the table above due to the discharge being to a dry stream and additional human-health concerns.

**Water Quality-Based Limitations**

As the facility has not yet been built, a "Reasonable Potential Analysis" could not be conducted. The existing limits are more stringent than the technology-based limits above and should be retained to protect the EV classification of the stream.

Comments: WQM 7.0 was run to see if Ammonia-Nitrogen criteria have changed within the last permit term. The model from the last renewal was replicated with updated site-specific data and produced effluent limitations for Ammonia-Nitrogen that did not change from the last permit renewal.

**Best Professional Judgment (BPJ) Limitations**

Comments: No additional BPJ limitations are being considered at this time.

**Anti-Backsliding**

No parameters are eligible for backsliding.

**Additional Comments**

E. Coli monitoring has been introduced in this renewal permit based on the SOP for Establishing Effluent Limitations in Individual Sewage Applications. For facilities less than .005 MGD it is recommended that E. Coli be monitored only on a yearly basis.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	9	1/day	Grab
DO	XXX	XXX	6.0	XXX	XXX	XXX	1/day	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	10.0	XXX	20	2/month	8-Hr Composite
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	10000	XXX	2/month	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	1000	XXX	2/month	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	5.0	XXX	10	2/month	8-Hr Composite
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	18	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6	2/month	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	0.5	XXX	1	2/month	8-Hr Composite
UV Dosage (mWsec/cm <sup>2</sup> )	XXX	XXX	XXX	Report	XXX	XXX	1/day	Measured

Compliance Sampling Location: Outfall 001, after disinfection.

**WQM 7.0 Modeling Output Files**

**WQM 7.0 Effluent Limits**

SWP Basin	Stream Code	Stream Name					
		16F	55689	CAMP RUN			
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)
1.620	HCW STP	PA0222879	0.004	CBOD5	10		
				NH3-N	3	6	
				Dissolved Oxygen			6

### WQM 7.0 Wasteload Allocations

<u>SWP Basin</u>		<u>Stream Code</u>		<u>Stream Name</u>			
16F		55689		CAMP RUN			
<b>NH3-N Acute Allocations</b>							
RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
1.620 HCW STP		NA	6	12.18	6	0	0
1.269		NA	NA	11.45	NA	NA	NA
<b>NH3-N Chronic Allocations</b>							
RMI	Discharge Name	Baseline Criterion (mg/L)	Baseline WLA (mg/L)	Multiple Criterion (mg/L)	Multiple WLA (mg/L)	Critical Reach	Percent Reduction
1.620 HCW STP		NA	3	1.62	3	0	0
1.269		NA	NA	1.39	NA	NA	NA
<b>Dissolved Oxygen Allocations</b>							
		<u>CBOD5</u>		<u>NH3-N</u>		<u>Dissolved Oxygen</u>	
RMI	Discharge Name	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)	Baseline (mg/L)	Multiple (mg/L)
1.62 HCW STP		10	10	3	3	6	6
1.27		NA	NA	NA	NA	NA	NA

**WQM 7.0 D.O.Simulation**

<u>SWP Basin</u>	<u>Stream Code</u>	<u>Stream Name</u>		
16F	55689	CAMP RUN		
<u>RMI</u>	<u>Total Discharge Flow (mgd)</u>	<u>Analysis Temperature (°C)</u>	<u>Analysis pH</u>	
1.620	0.004	20.033	7.297	
<u>Reach Width (ft)</u>	<u>Reach Depth (ft)</u>	<u>Reach WDRatio</u>	<u>Reach Velocity (fps)</u>	
0.768	0.250	3.077	0.030	
<u>Reach CBOD5 (mg/L)</u>	<u>Reach Kc (1/days)</u>	<u>Reach NH3-N (mg/L)</u>	<u>Reach Kn (1/days)</u>	
9.93	1.500	2.98	0.702	
<u>Reach DO (mg/L)</u>	<u>Reach Kr (1/days)</u>	<u>Kr Equation</u>	<u>Reach DO Goal (mg/L)</u>	
6.015	27.068	Owens	NA	
<u>Reach Travel Time (days)</u>	<b>Subreach Results</b>			
0.713	TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
	0.071	8.92	2.83	7.75
	0.143	8.02	2.70	8.08
	0.214	7.20	2.56	8.20
	0.285	6.47	2.44	8.24
	0.357	5.81	2.32	8.24
	0.428	5.22	2.21	8.24
	0.499	4.69	2.10	8.24
	0.571	4.22	2.00	8.24
	0.642	3.79	1.90	8.24
	0.713	3.40	1.81	8.24
<u>RMI</u>	<u>Total Discharge Flow (mgd)</u>	<u>Analysis Temperature (°C)</u>	<u>Analysis pH</u>	
1.269	0.004	24.458	7.024	
<u>Reach Width (ft)</u>	<u>Reach Depth (ft)</u>	<u>Reach WDRatio</u>	<u>Reach Velocity (fps)</u>	
1.606	0.366	4.395	0.090	
<u>Reach CBOD5 (mg/L)</u>	<u>Reach Kc (1/days)</u>	<u>Reach NH3-N (mg/L)</u>	<u>Reach Kn (1/days)</u>	
2.15	0.124	0.20	0.986	
<u>Reach DO (mg/L)</u>	<u>Reach Kr (1/days)</u>	<u>Kr Equation</u>	<u>Reach DO Goal (mg/L)</u>	
8.242	30.887	Owens	5	
<u>Reach Travel Time (days)</u>	<b>Subreach Results</b>			
0.489	TravTime (days)	CBOD5 (mg/L)	NH3-N (mg/L)	D.O. (mg/L)
	0.049	2.14	0.19	7.61
	0.098	2.12	0.18	7.61
	0.147	2.11	0.17	7.61
	0.196	2.09	0.16	7.61
	0.245	2.07	0.15	7.61
	0.293	2.06	0.15	7.61
	0.342	2.04	0.14	7.61
	0.391	2.03	0.13	7.61
	0.440	2.01	0.13	7.61
	0.489	2.00	0.12	7.61

## WQM 7.0 Modeling Specifications

Parameters	Both	Use Inputted Q1-10 and Q30-10 Flows	<input checked="" type="checkbox"/>
WLA Method	EMPR	Use Inputted W/D Ratio	<input type="checkbox"/>
Q1-10/Q7-10 Ratio	0.64	Use Inputted Reach Travel Times	<input type="checkbox"/>
Q30-10/Q7-10 Ratio	1.36	Temperature Adjust Kr	<input checked="" type="checkbox"/>
D.O. Saturation	90.00%	Use Balanced Technology	<input checked="" type="checkbox"/>
D.O. Goal	5		

**WQM 7.0 Hydrodynamic Outputs**

RMI	Stream Flow	PWS With	SWP Basin		Stream Code		Stream Name					
			16F		55689		CAMP RUN					
			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
<b>Q7-10 Flow</b>												
1.620	0.00	0.00	0.00	.0057	0.07446	.25	.77	3.08	0.03	0.713	20.03	7.30
1.269	0.05	0.00	0.05	.0057	0.02265	.366	1.61	4.39	0.09	0.489	24.46	7.02
<b>Q1-10 Flow</b>												
1.620	0.00	0.00	0.00	.0057	0.07446	NA	NA	NA	0.03	0.714	20.02	7.30
1.269	0.03	0.00	0.03	.0057	0.02265	NA	NA	NA	0.07	0.607	24.20	7.04
<b>Q30-10 Flow</b>												
1.620	0.00	0.00	0.00	.0057	0.07446	NA	NA	NA	0.03	0.712	20.04	7.30
1.269	0.06	0.00	0.06	.0057	0.02265	NA	NA	NA	0.11	0.418	24.59	7.02

**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
16F	55689	CAMP RUN	1.620	1559.00	0.04	0.00000	0.00	<input type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary Temp	pH	Stream Temp	pH
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	(°C)		(°C)	
Q7-10	0.001	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	Permitted Disc Flow	Design Disc Flow	Reserve Factor	Disc Temp	Disc pH
		(mgd)	(mgd)	(mgd)			
HCW STP	PA0222879	0.0037	0.0037	0.0037	0.000	20.00	7.30
<b>Parameter Data</b>							
Parameter Name		Disc Conc	Trib Conc	Stream Conc	Fate Coef		
		(mg/L)	(mg/L)	(mg/L)	(1/days)		
CBOD5		10.00	0.00	0.00	1.50		
Dissolved Oxygen		6.00	8.24	0.00	0.00		
NH3-N		3.00	0.00	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
16F	55689	CAMP RUN	1.269	1421.00	0.05	0.00000	0.00	<input checked="" type="checkbox"/>

Stream Data

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary Temp	pH	Stream Temp	pH
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	(°C)		(°C)	
Q7-10	0.000	0.05	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	Permitted Disc Flow	Design Disc Flow	Reserve Factor	Disc Temp (°C)	Disc pH
		(mgd)	(mgd)	(mgd)			
		0.0000	0.0000	0.0000	0.000	25.00	7.00
<b>Parameter Data</b>							
Parameter Name		Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)		
CBOD5		8.53	2.00	0.00	1.50		
Dissolved Oxygen		6.58	8.24	0.00	0.00		
NH3-N		15.07	0.00	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
16F	55689	CAMP RUN	0.550	1335.00	0.07	0.00000	0.00	<input checked="" type="checkbox"/>

Stream Data

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary Temp	pH	Stream Temp	pH
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	(°C)		(°C)	
Q7-10	0.000	0.07	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	Permitted Disc Flow	Design Disc Flow	Reserve Factor	Disc Temp (°C)	Disc pH
		(mgd)	(mgd)	(mgd)			
		0.0000	0.0000	0.0000	0.000	25.00	7.00
<b>Parameter Data</b>							
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		6.00	8.24	0.00	0.00		
NH3-N		25.00	0.00	0.00	0.70		