

Application Type Renewal  
 Facility Type Non-Municipal  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0083020  
 APS ID 293  
 Authorization ID 1190180

**Applicant and Facility Information**

Applicant Name	<u>Forbes Road School District</u>	Facility Name	<u>Forbes Road High School &amp; Elementary School</u>
Applicant Address	<u>159 Red Bird Drive</u> <u>Waterfall, PA 16689-7137</u>	Facility Address	<u>159 Red Bird Drive</u> <u>Waterfall, PA 16689-7137</u>
Applicant Contact	<u>Chris Seymore</u>	Facility Contact	<u>Chris Seymore</u>
Applicant Phone	<u>(814) 685-3866</u>	Facility Phone	<u>(814) 685-3866</u>
Client ID	<u>63858</u>	Site ID	<u>451513</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Taylor Township</u>
Connection Status		County	<u>Fulton</u>
Date Application Received	<u>June 30, 2017</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 19, 2017</u>	If No, Reason	
Purpose of Application	<u>NPDES permit Renewal.</u>		

**Summary of Review**

Forbes Road High School & Elementary School has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of its National Pollutant Discharge Elimination System (NPDES) permit. The permit was issued on November 13, 2012 and became effective on December 1, 2012. The permit expired on November 30, 2017 and has been administratively extended since that time.

The design discharge flow from the facility is 0.012 MGD. The facility is closed during the summer when the school is not in session. The discharge is to a dry swale that is Unnamed Tributary to Elders Branch of Wooden Bridge Creek. The Elders Branch is classified as High Quality - Cold Water Fishes (HQ-CWF). The previous protection indicates that, the facility pre-dates the classification of the stream as High Quality Tributary, therefore, HQ limits do not apply to the discharge. The limits were developed following the old Implementation Guidance for Evaluating Wastewater Discharges to Drainage Swales and Ditches (Document ID 391-2000-014).

Changes from the previous permit: Unit of Fecal Coliform changed from CFU/100 ml to No./100 ml.

Based on the review outlined in this fact sheet, it is recommended that the permit be drafted. A public notice of the draft permit will be published in the *Pennsylvania Bulletin* for public comments for 30 days. Any additional information or public review of documents associated with the discharge or the applicant may be available at the PA DEP Southcentral Regional Office (SCRO), 909 Elmerton Avenue, Harrisburg, PA 17110. To make an appointment for file reviews, contact the SCRO File Review Coordinator at 717.705.4700.

Approve	Deny	Signatures	Date
X		Hilary H. Le / Environmental Engineering Specialist	September 12, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Clean Water Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.012</u>
Latitude	<u>40° 5' 8.64"</u>	Longitude	<u>-78° 4' 9.66"</u>
Quad Name	<u>Hustontown</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Elders Branch (HQ-CWF)</u>	Stream Code	<u>None (12976)</u>
NHD Com ID	<u>66213475</u>	RMI	<u>2.9 miles</u>
Drainage Area	<u>0.18 mi.<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u></u>	Q <sub>7-10</sub> Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>988.24</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>12-C</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>Mifflintown Borough Municipal Authority, Juniata County</u>		
PWS Waters	<u>Juniata River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u>37.2 miles</u>	Distance from Outfall (mi)	<u>Approximate 88 miles</u>

**Changes Since Last Permit Issuance:** The USGS PA StreamStats is showing a drainage area of 0.18 mi.<sup>2</sup> and a Q<sub>7-10</sub> flow of 0.0006 ft<sup>3</sup>/s at the point of discharge.

**Drainage Area**

The discharge is to Unnamed Tributary 12976 of Elders Branch of Wooden Bridge Creek at RMI 2.9 miles. A drainage area upstream of the discharge is estimated to be 0.18 mi.<sup>2</sup>, according to USGS PA StreamStats available at <https://streamstats.usgs.gov/ss/>.

**Unnamed Tributary Elders Branch of Wooden Bridge Creek**

Under 25 Pa Code § 93.9n, the Unnamed Tributary Elders Branch of Wooden Bridge Creek is designated as High Quality-Cold Water Fishes (HQ-CWF). However, the Wooden Bridge Creek is a tributary to Sideling Hill Creek. Approximately 200 feet from the discharge point, a spring emerges from under a tree trunk. The stream was observed to be perennial at this point. The confluence with Elders Branch is approximately 200 yds from this point. This facility pre-dates the classification of the stream as High Quality, therefore, HQ limits do not apply to the discharge.

**Potable Water Supply Intake**

The nearest downstream public water supply intake is the Mifflintown Borough Municipal Authority, Juniata County intake on the Juniata River, approximately 88 miles from the point of discharge. Given the nature and dilution, the discharge is not expected to significantly impact the water supply.

Treatment Facility Summary				
<b>Treatment Facility Name:</b> Forbes Road HS & Elementary				
<b>WQM Permit No.</b>		<b>Issuance Date</b>		
2974401		9/30/1974		
<b>Waste Type</b>	<b>Degree of Treatment</b>	<b>Process Type</b>	<b>Disinfection</b>	<b>Avg Annual Flow (MGD)</b>
Sewage	Secondary	Extended Aeration	Hypochlorite	0.012
<b>Hydraulic Capacity (MGD)</b>	<b>Organic Capacity (lbs/day)</b>	<b>Load Status</b>	<b>Biosolids Treatment</b>	<b>Biosolids Use/Disposal</b>
0.012		Not Overloaded	Aerobic Digestion	Other WWTP

Changes Since Last Permit Issuance: none

The process includes: Comminutor (1) – Bar Screen (1) – Aeration Tank (1) – Setting Tank (1) – Chlorine Contact Tank (1) – Sludge Holding Tank (1) – Blowers (2) – Outfall to Unnamed Tributary (12976) of Elders Branch of Wooden Bridge Creek.

The system incorporates chemical addition in the form of chlorine tablets (for disinfection), soda ash (for pH control), and dechlorane tablets (for reducing Chlorine). Two sludge holding tanks are used for solids storage.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	A summary of the past 12-month DMR effluent data is present on the next page of this fact sheet.
<b>Summary of Inspections:</b>	<p>1/13/2016: Mr. Clark, DEP WQS, conducted a compliance evaluation inspection. The effluent appeared clear with fine solids. Field tested within permit limits. There were no violations identified during inspection.</p> <p>10/20/2016: Mr. Clark, DEP WQS, conducted a compliance evaluation inspection. The effluent appeared clear with fine solids. Field tested within permit limits. There were no violations identified during inspection.</p> <p>10/23/2017: Mr. Clark, DEP WQS, conducted a compliance evaluation inspection. The effluent appeared clear with fine solids. Field tested within permit limits. There were no violations identified during inspection.</p> <p>11/19/2018: Mr. Clark, DEP WQS, conducted a compliance evaluation inspection. The effluent appeared clear with fine solids. Field tested within permit limits. The results presented report were summarized in the Table below.</p>
<b>Other Comments:</b>	There was an open violation failure to comply with a permit condition (Safe Drinking Water Permit) by James O'Shea, DEP SCRO, dated 5/23/2019. There were no open violations in Clean Water permit.

Other Comments: DMRs for the past 12 months indicate compliance with permit limits. The sample dated 11/19/2018 laboratory results report in the Table indicated that they met limits in the permit. The facility appears to be operating satisfactorily.

Date	Flow MDG	pH S.U.	DO mg/L	TRC mg/L	Temp °C	CBOD <sub>5</sub> mg/L	TSS mg/L	Fecals No./100ml	NH3-N mg/L	TP mg/L	TN mg/L
11/19/2018	0.003	7.52	11.42	0.00	7.4	3.5	< 5	25	0.05	2.66	< 1.0

Compliance History

DMR Data for Outfall 001 (from August 1, 2018 to July 31, 2019)

Parameter	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19	DEC-18	NOV-18	OCT-18	SEP-18	AUG-18
Flow (MGD) Average Monthly	0.00172 1	0.00088 1	0.00268 5	0.00231 6	0.00347 7	0.00272 9	0.00272 6	0.00280 35	0.00367 4	0.00361 7	0.00375 5	0.00142 9
Flow (MGD) Daily Maximum	0.00992 4	0.00289 2	0.00453	0.00413 9	0.00777 1	0.00426 4	0.00490 7	0.00537 7	0.00709 5	0.0071	0.00618 4	0.00458 4
pH (S.U.) Minimum	7.2	7.03	6.83	6.66	6.68	6.46	6.7	6.66	6.92	6.16	6.96	7.42
pH (S.U.) Maximum	8.58	7.52	7.32	7.62	7.14	7.32	7.28	7.35	7.34	7.78	7.63	8.87
DO (mg/L) Minimum	7.24	7.31	5.32	6.72	8.08	11.15	12.17	10.15	8.89	6.5	7.26	7.06
TRC (mg/L) Average Monthly	< 0.1	< 0.1	< 0.03	< 0.02	< 0.02	0.04	< 0.04	< 0.1	< 0.01	0.03	0.03	< 0.01
TRC (mg/L) Instantaneous Maximum	0.32	0.22	0.06	0.04	0.08	0.08	0.09	0.16	0.18	0.09	0.04	0.98
CBOD5 (mg/L) Average Monthly	3.0	< 2.0	< 3.0	< 2	2	2	< 2	2	< 2	2	2	2
TSS (mg/L) Average Monthly	3.0	< 2.0	10	7	6	7	9	6	7	4	5	4
Fecal Coliform (CFU/100 ml) Geometric Mean	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	< 1	< 9	< 1	< 1	< 1
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	< 1.0	< 1.0	< 1.0	< 1	< 1.0	< 1	< 1	< 1	84	< 1	< 1	< 1
Total Nitrogen (lbs) Total Annual								< 0.9				
Total Nitrogen (mg/L) Annual Average								27.67				
Total Phosphorus (lbs) Total Annual								0.1				
Total Phosphorus (mg/L) Annual Average								2.26				

**Development of Effluent Limitations**

**Outfall No.** 001 **Design Flow (MGD)** 0.012  
**Latitude** 40° 5' 2.94" **Longitude** -78° 4' 0.21"  
**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 <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)

**Water Quality-Based Limitations**

The discharge is to a dry swale. Previous protection reports indicate that modeling of the Point of First Use (POFU) is not necessary because the dry stream limits are significantly more stringent than the effluent limits that would be protective at the POFU. Because the discharge is to a dry swale, limits will also be established based on the Implementation Guidance for Evaluating Wastewater Discharges to Drainage Swales and Ditches (Document ID 391-2000-014).

Additionally, Implementation Guidance for Evaluating Wastewater Discharges to Drainage Swales and Ditches (Document ID 391-2000-014) are as follows.

1. Section IV A.3. states: *Whenever an existing wastewater discharge permit is being developed as part of the NPDES renewal process and no significant change in waste-load (pollution load) is indicated, the Regional Permitting Section will review the case file to see if the files have information indicating that the discharge caused public health and/or nuisance problems. If no adverse data exists, it may be assumed that the discharge is not causing public health and/or nuisance problems.*
2. Section IV.B.1a(4) states: *“Minimum treatment” requirements should be required if any of the above three conditions are met for a new or proposed discharge. In cases where there is an existing discharge, then Conditions IV.A.3 and 4 should be considered before recommending that a discharge upgrade to meet “minimum treatment” requirements.*

The data and the stream were evaluated in 1997, 2002, 2012, 2017, and for this renewal. No adverse effects have been documented, therefore the existing limits will remain in the proposed permit.

**Total Residual Chlorine (TRC):**

As per the TRC Guidance dated May 1, 2003, a BAT limit of 0.5 mg/L monthly average and 1.6 mg/L max will be placed in the proposed permit.

**pH:**

The effluent discharge pH should remain above 6.0 and below 9.0 standard units according to 25 Pa Code § 95.2(2).

**Fecal Coliform:**

The recent coliform guidance in 25 PA code § 92a.47.(a)(4) requires a summer technology limit of 200/100 ml as a geometric mean and an instantaneous maximum not greater than 1,000/100 ml and § 92a.47.(a)(5) requires a winter limit of 2,000/100 ml as a geometric mean and an instantaneous maximum not greater than 10,000/100 ml.

**Total Suspended Solids (TSS):**

The existing dry stream limits of 20.0 mg/L monthly average and 30.0 mg/L instantaneous maximum will remain in the proposed permit as per guidance document 391-2000-014. Recent DMRs and inspection reports show that the facility has been consistently achieving these limits.

**Dissolved Oxygen (D.O.):**

A minimum D.O. of 5.0 mg/L is required per 25 Pa. Code § 93.7. This is consistent with the previous permit and current Department criteria.

**Carbonaceous Biochemical Oxygen Demand (CBOD<sub>5</sub>):**

The existing limits of 20.0 mg/L monthly average and 40.0 mg/L instantaneous maximum will remain in the proposed permit as per guidance document 391-2000-014. Recent DMRs and inspection reports show that the facility has been consistently achieving these limits.

**Chesapeake Bay Strategy:**

The Department formulated a strategy to comply with the EPA and Chesapeake Bay Foundation requirements by reducing point source loadings of Total Nitrogen (TN) and Total Phosphorus (TP). Sewage discharges have been prioritized by Central Office based on their delivered TN loadings to the Bay. The highest priority (Phases I, II, and III) dischargers will receive annual loading caps based on their design flow on August 29, 2005 and concentrations of 6 mg/L TN and 0.8 mg/L TP. These limits may be achieved through a combination of treatment technology, credits, or offsets. Phase IV (0.2 - 0.4 MGD) will be required to monitor and report TN and TP during permit renewal monthly and Phase V (below 0.2 MGD) will monitor during current permit renewal once a year. However, any facility in Phases IV and V that undergoes expansion is subjected to cap load right away. This plant is classified as a phase V, the monitor and report TP and TN once a year will remain in the proposed permit.

**Anti-Degradation (93.4):**

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. The Point of First Use is classified as a High Quality Stream. The facility pre-dates the designation. No Exceptional Value Waters are impacted by this discharge.

**Class A Wild Trout Fisheries:**

No Class A Wild Trout Fisheries are impacted by this charge.

**303d Listed Streams:**

The discharge from this facility is not to a stream listed on the 1998 303d list.

**Toxic:**

This is a minor sewage facility receiving domestic wastewater only and the current application does not require sampling of toxic pollutants (or heavy metals) for those facilities with design flows less than 0.1 MGD. Therefore, no reasonable potential analysis for toxic pollutants has been performed for this permit renewal.

**Additional Consideration**

*Flow Monitoring*

The requirement to monitor the volume of effluent will remain in the proposed permit per 40 CFR § 122.44(i)(1)(ii).

*Monitoring Frequency and Sample Type*

The facility currently is required to collect daily effluent grab samples for DO, TRC, and pH; bi-monthly effluent 24-hr composite samples of CBOD<sub>5</sub>, and TSS; bi-monthly effluent grab samples of fecal coliform, annually effluent 24-hr composite samples of TP; and annually effluent calculation samples of TN. Based on the best professional judgement of the author, the existing monitoring frequencies are sufficient and necessary. Therefore, the renewal permit monitoring frequencies will remain the same as those specified in the existing permit.

**Anti-Backsliding**

Unless stated otherwise in this fact sheet, all permit requirements proposed in this fact sheet are at least as stringent as existing permit requirements in accordance with 40 CFR §122.44(l)(1).

A copy of the 2007 Protection Report is attached.



**Existing Effluent Limitations and Monitoring Requirements**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Total Annual	Minimum	Average Monthly		Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
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	0.5	XXX	1.6	1/day	Grab
CBOD <sub>5</sub>	XXX	XXX	XXX	20	XXX	40	2/month	24-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	20	XXX	30	2/month	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	2/month	Grab
Total Nitrogen	XXX	Report	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation
Total Phosphorus	XXX	Report	XXX	Report Annl Avg	XXX	XXX	1/year	24-Hr Composite



**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Total Annual	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/day	Grab
CBOD <sub>5</sub>	XXX	XXX	XXX	20.0	XXX	40.0	2/month	24-Hr Composite
TSS	XXX	XXX	XXX	20.0	XXX	30.0	2/month	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	2/month	Grab
Total Nitrogen	XXX	Report	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation
Total Phosphorus	XXX	Report	XXX	Report Annl Avg	XXX	XXX	1/year	24-Hr Composite

Compliance Sampling Location:

Other Comments:

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	PENTOXSD for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Toxics Screening Analysis Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
<input checked="" type="checkbox"/>	Technical Guidance for the Development and Specification of Effluent Limitations, 362-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
<input type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 385-2000-011, 9/08.
<input checked="" type="checkbox"/>	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
<input type="checkbox"/>	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 391-2000-002, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 391-2000-006, 9/97.
<input checked="" type="checkbox"/>	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 391-2000-007, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
<input type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
<input checked="" type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
<input checked="" type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
<input checked="" type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 10/97.
<input type="checkbox"/>	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 391-2000-019, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 3/99.
<input type="checkbox"/>	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 391-2000-022, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 391-2000-023, 9/98.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 391-2000-024, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
<input type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input type="checkbox"/>	SOP: [redacted]
<input type="checkbox"/>	Other: [redacted]