

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

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Application No. PA0112534
 APS ID 992225
 Authorization ID 1271591

Applicant and Facility Information

Applicant Name	<u>Meadows at Watsonstown LLC</u>	Facility Name	<u>The Meadows at Watsonstown</u>
Applicant Address	<u>18 Albatross Drive</u> <u>Watsonstown, PA 17777-9732</u>	Facility Address	<u>1900 Seagrave Drive</u> <u>Watsonstown, PA 17777-7915</u>
Applicant Contact	<u>Raymond McGill</u>	Facility Contact	<u>Victor Derr</u>
Applicant Phone	<u>(570) 263-0310</u>	Facility Phone	<u>(570) 971-1774</u>
Client ID	<u>316958</u>	Site ID	<u>242491</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Delaware Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Northumberland</u>
Date Application Received	<u>April 29, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>May 6, 2019</u>	If No, Reason	<u></u>
Purpose of Application	<u>Application for the renewal of the existing individual NPDES permit.</u>		

Summary of Review

The Meadows at Watsonstown has submitted an application for the renewal of the existing NPDES Permit PA0112534 for the Department's review. 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		Jonathan P. Peterman / Project Manager	February 19, 2020
		Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.053</u>
Latitude	<u>41° 7' 33.52"</u>	Longitude	<u>-76° 50' 34.27"</u>
Quad Name	<u>Muncy</u>	Quad Code	<u>0931</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Delaware Run (WWF)</u>	Stream Code	<u>19240</u>
NHD Com ID	<u>66917509</u>	RMI	<u>4.62</u>
Drainage Area	<u>4.52</u>	Yield (cfs/mi ²)	<u>0.223</u>
Q ₇₋₁₀ Flow (cfs)	<u>1.0</u>	Q ₇₋₁₀ Basis	<u>Stream Gage No.1553130</u>
Elevation (ft)	<u>505</u>	Slope (ft/ft)	<u>0.003</u>
Watershed No.	<u>10-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>WWF</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>SILTATION</u>		
Source(s) of Impairment	<u>AGRICULTURE</u>		
TMDL Status	<u>Final</u>	Name	<u>Delaware Run Watershed TMDL</u>
Nearest Downstream Public Water Supply Intake	<u>PA American White Deer</u>		
PWS Waters	<u>Susquehanna River</u>	Flow at Intake (cfs)	<u>728</u>
PWS RMI	<u>10.5</u>	Distance from Outfall (mi)	<u>11</u>

Changes Since Last Permit Issuance: The updated Q₇₋₁₀ data was obtained from the updated stream gage information obtained from *Stuckey, M.H., and Roland, M.A., 2011, Selected Streamflow Statistics for Streamgage Locations In and Near Pennsylvania*. Given that there are no stream gages located downstream of the discharge location, a simple comparative stream analysis is needed. This analysis reveals that the Q₇₋₁₀ is 1.0 cfs. Q₇₋₁₀ calculations are attached in Appendix A.

Other Comments: None.

Treatment Facility Summary				
Treatment Facility Name: The Meadows at Watsontown				
WQM Permit No.	Issuance Date	Comments		
4989406	1/9/1990	Original construction of 2 nd treatment train. (0.033 MGD)		
4976402	7/30/1976	Original construction of 1 st treatment train. (0.02 MGD)		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Hypochlorite	0.053
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.053	110	Not Overloaded	None	Landfill

Treatment System Components:

- One (1) Wet Well / Lift Station.
- One (1) Submersible Pump.
- One (1) Equalization Tank.
- One (1) Splitter Box.
- Two (2) Aeration Tanks.
- Two (2) Clarifiers.
- One (1) Tablet Erosion Chlorine Disinfection System.
- Two (2) Chlorine Contact Tanks.
- One (1) Outfall 001.
- Two (2) Sludge Holding Tanks.

Changes Since Last Permit Issuance: None.

Other Comments: None.

TMDL Impairment

Delaware Run Watershed TMDL

The pollutant causing designated use impairments in the Delaware Run Watershed has been identified as sediment. The source listed as agricultural. At present, there are no point source contributions within the segments addressed in this TMDL. It can be assumed that the discharge from this facility will not contribute to an in-stream excursion. No effluent limits or further TMDL review will be required.

Chesapeake Bay Requirements

Since this facility's annual average design flow is 0.053 MGD, the permittee will be required to monitor and report TN and TP throughout the permit term at a frequency no less than annually in accordance with the Phase II WIP Chesapeake Bay Strategy for Phase V facilities (0.002 MGD to 0.2 MGD) unless 1) the facility has already conducted at least two years of nutrient monitoring and 2) a summary of the monitoring results are included in the next permit's fact sheet. The previous permit contained the Chesapeake Bay Monitoring requirements and the required sampling has been conducted. Since the permittee conducted this monitoring in the previous permit term and the data is summarized in the eDMR data section of the fact sheet below, the conditions have been met and Chesapeake Bay monitoring will no longer be required.

Anti-Backsliding

In accordance with 40 CFR 122.44(l)(1) and (2), this permit does not contain effluent limitations, standards, or conditions that are less stringent than the previous permit.

Existing Effluent Limitations and Monitoring Requirements

Existing Limits – Outfall 001

Discharge Parameter	Limitations							Monitoring Requirements	
	Mass (lb/day)		Concentration (mg/L)						
	Monthly Average	Daily Maximum	Minimum	Average Monthly	Average Weekly	Instantaneous Maximum	Minimum Frequency	Sample Type	
Flow (MGD)	Report	Report					1/ Week	Measured	
C-BOD ₅				25		50	2/ Month	Grab	
TSS				30		60	2/ Month	Grab	
TRC				1.0		2.3	1/ Day	Grab	
NH ₃ -N (5/1-10/31)				3.0		6.0	2/ Month	Grab	
NH ₃ -N (11/1-4/30)				6.0		18.0			
D.O.				Report			1/ Day	Grab	
pH (Std. Units)			6.0			9.0	1/ Day	Grab	
Fecal Coliforms (5/1-9/30)	200 colonies/100 ml as a geometric mean					1,000	2/ Month	Grab	
Fecal Coliforms (10/1-4/30)	2,000 colonies/100 ml as a geometric mean					10,000			
Total Nitrogen	Report Annual Average	Report Total Annual		Report Annual Average			1/ Year	Grab	
Total Phosphorous	Report Annual Average	Report Total Annual		Report Annual Average			1/ Year	Grab	

*The existing effluent limits for Outfall 001 were based on a design flow of 0.053 MGD.

Development of Effluent Limitations

Outfall No. 001 Design Flow (MGD) 0.053
 Latitude 41° 7' 33.30" Longitude -76° 50' 34.30"
 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)

Water Quality-Based Limitations

To establish whether or not water-quality based effluent limitations (WQBELs) are required, the Department models in-stream conditions. In order to determine limitations for CBOD5, ammonia-N and dissolved oxygen, the Department utilizes the WQM 7.0 v1.0b model and in order to determine limitations for toxics, the Department utilizes the PENTOXSD v2.0d model.

WQM 7.0 for Windows, Version 1.0b, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen

Given that there have been no changes to the facility, the discharge, or the receiving stream, the previous modeling results will be utilized. The model previously was run using the Q7-10 stream flow, background water quality, average annual design flow, and other discharge characteristics. The existing water technology-based limits for CBOD₅ (25 mg/l) and water quality-based NH₃-N (3.0 mg/l) were used as inputs for the modeling. The DO minimum daily average criterion from §93.7 (5.0 mg/L for WWF) was used for the in-stream objective for the model. The summary of the output is as follows:

Parameter	Effluent Limit		
	30 Day Average	Maximum	Minimum
CBOD5	25	N/A	N/A
Ammonia-N	3.0	6.0	N/A
Dissolved Oxygen	N/A	N/A	3

The previous model did not recommend more stringent water-quality based effluent limitations with regards to CBOD5, ammonia-nitrogen, and dissolved oxygen. Refer to the Appendix for the previous WQM 7.0 inputs and results. The existing effluent limits will remain.

Best Professional Judgment (BPJ) Limitations

See D.O. section below.

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 the abovementioned 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) and/or BPJ.

Proposed Limits - Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

Discharge Parameter	Limitations							Monitoring Requirements	
	Mass (lb/day)		Concentration (mg/L)				Minimum Frequency	Sample Type	
	Monthly Average	Daily Maximum	Minimum	Average Monthly	Average Weekly	Instantaneous Maximum			
Flow (MGD)	Report	Report						1/ Week	Measured
C-BOD ₅				25			50	2/ Month	Grab
TSS				30			60	2/ Month	Grab
TRC				0.5			1.6	1/ Day	Grab
NH ₃ -N (5/1-10/31)				3.0			6.0	2/ Month	Grab
NH ₃ -N (11/1-4/30)				6.0			18.0		
D.O.				Report				1/ Day	Grab
pH (Std. Units)			6.0				9.0	1/ Day	Grab
Fecal Coliforms (5/1-9/30)	200 colonies/100 ml as a geometric mean						1,000	2/ Month	Grab
Fecal Coliforms (10/1-4/30)	2,000 colonies/100 ml as a geometric mean						10,000		

*The proposed effluent limits for Outfall 001 were based on a design flow of 0.053 MGD.

Effluent Limit Determination for Outfall 001

General Information

All of the limits proposed above are consistent with other permits issued for Phase V wastewater treatment plants in the region. The existing monitoring frequencies and sample types for these parameters generally correspond with the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001) Table 6-3 and will remain.

Flow

Reporting of the daily maximum flow is consistent with monitoring requirements for other treatment plants of this size.

Carbonaceous Biochemical Oxygen Demand (CBOD₅)

The results of the WQM 7.0 model show that the previously applied secondary treatment standards (25 PA Code §92a.47 (a) (1&2)) for CBOD₅ are protective of water quality.

Total Suspended Solids (TSS)

The previously applied technology based secondary treatment standards (25 PA Code §92a.47 (a) (1&2)) for TSS will remain as well.

pH

CFR Title 40 §133.102(c) and 25 PA Code §95.2(1) provide the basis of effluent limitations for pH. The existing limits will remain.

Fecal Coliforms

The existing fecal coliform limits with I-max limits were updated from the previous Chapter 92 code to correspond with what is specified in the updated 25 PA Code § 92a.47 (a)(4)&(5) and will remain.

Ammonia-Nitrogen (NH₃-N)

The results of the WQM 7.0 model show that the previously applied water quality for CBOD₅ are protective of water quality.

Dissolved Oxygen (DO)

Given results of the WQM 7.0 model, a discharge of effluent from this facility with a DO concentration of 3 mg/l would not result in an exceedance of water quality requirements for this stream. However, the Department previously established a monitor only requirement. The monitoring requirement was established to ensure that the facility's discharge does not cause or contribute to an in-stream excursion below water quality standards for DO in the receiving stream and will remain.

Total Residual Chlorine (TRC)

In accordance with 25 Pa. Code 92a.48(b)(2), a best available technology (BAT) value of 0.5 mg/l was used in lieu of the existing effluent limit (1.0 mg/L) in the TRC Spreadsheet. The attached TRC model indicates that the technology based effluent limits of 0.5 mg/L (Average Monthly) and 1.6 mg/L (Instantaneous Maximum) are protective of water quality. The facility currently utilizes tablet chlorination as a disinfection method. It has been proven that this method, if operated properly and maintained, can effectively and consistently meet these effluent requirements.

As stated above, 25 PA Code § 92a.48(b)(2) provides a BAT limit of 0.5 mg/L unless a site-specific study has been conducted. Given that a site-specific TRC study has not been provided for this facility, the BAT limit will be established. Historical DMR data from the previous year was reviewed to determine if the facility will require a compliance schedule to comply with the proposed effluent limits. The DMR results are listed in the compliance review below.

Based on the data, it appears that the facility can't currently meet the proposed TRC effluent limits (0.50 mg/L and 1.6 mg/l) on a majority basis. Therefore, the permit will require a 2-year compliance schedule in order for the facility to comply with the decreased limits.

Other Comments: All effluent limits are appropriate and typical for this facility type.

Compliance History

Summary of Inspections - The last inspection of the facilities was conducted on 9/4/19 by the Department. The inspection report indicates that the facility was operating normally.

WMS Query Summary - A WMS Query was run at *Reports - Violations & Enforcements – Open Violations for Client Report* to determine whether there are any unresolved violations associated with the client that will affect issuance of the permit (per CSL Section 609). This query revealed no open violations.

eDMRs Summary - Upon review of the eDMR's, the facility has been in compliance with the existing effluent limits.

Attachments



Meadows
Appendices

Compliance History

DMR Data for Outfall 001 (from January 1, 2019 to December 31, 2019)

Parameter	DEC-19	NOV-19	OCT-19	SEP-19	AUG-19	JUL-19	JUN-19	MAY-19	APR-19	MAR-19	FEB-19	JAN-19
Flow (MGD) Average Monthly	0.03416 6	0.02789 6	0.02654 1	0.00843 9	0.00974 6	0.03384 7	0.04686 4	0.04491 9	0.03378 53	0.04039 1	0.04665 8	0.03581 8
Flow (MGD) Daily Maximum	0.09195 5	0.13170 1	0.18017 3	0.01399	0.01786 3	0.17288 6	0.21006 9	0.20668 4	0.12803 4	0.16338	0.15430 9	0.08973 8
pH (S.U.) Minimum	7.0	6.7	6.5	6.3	6.5	7.4	7.3	7.2	6.9	7.3	7.4	7.5
pH (S.U.) Maximum	7.5	7.3	7.4	7.7	7.6	7.8	7.7	7.9	7.8	8.0	8.1	8.2
DO (mg/L) Minimum	4.0	2.2	3.1	1.5	1.4	1	0.7	1.1	2.2	3.3	4.9	3.5
TRC (mg/L) Average Monthly	0.4	0.3	0.4	0.6	0.5	0.4	0.5	0.2	0.3	0.4	0.5	0.7
TRC (mg/L) Instantaneous Maximum	1.2	0.56	1.0	2.2	1.36	1.64	1.78	1.09	2.2	2.2	2.2	2.2
CBOD5 (mg/L) Average Monthly	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
CBOD5 (mg/L) Instantaneous Maximum	< 3.0	< 3.0	3.95	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	3.4
TSS (mg/L) Average Monthly	9.0	4.2	2.0	2.0	< 2.0	< 2.0	6.0	2.0	4.0	5.0	9.0	5.0
TSS (mg/L) Instantaneous Maximum	9.6	4.2	3.6	3.0	3.2	3.0	7.0	2.8	4.0	5.4	13.0	5.2
Fecal Coliform (CFU/100 ml) Geometric Mean	< 6	2	5	5	3	< 1	< 2	67	< 1	5	< 1	< 13
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	38.4	3.1	20.3	12.1	6.3	2	4.2	866	1	7.4	1	167.4
Ammonia (mg/L) Average Monthly	< 2.4	< 0.10	< 0.1	< 0.10	< 0.1	< 1.6	< 0.3	< 0.1	< 0.3	< 0.1	< 0.7	5.6
Ammonia (mg/L) Instantaneous Maximum	4.6	< 0.10	< 0.1	< 0.10	< 0.1	3.16	0.45	0.1	< 0.5	< 0.1	1.23	7.6

NPDES Permit Fact Sheet
The Meadows at Watson town

NPDES Permit No. PA0112534

Chesapeake Bay – eDMR Monitoring Results (2017 to 2019)

PERMIT	MONITORING_START_DATE	MONITORING_END_DATE	REPORT_FREQUENCY	DUE_DATE	DMR_RECEIVED_DATE	PARAMETER	LOAD_UNITS	LOAD_1_VALUE	LOAD_1_LIMIT	LOAD_2_VALUE	LOAD_2_SBC	CONC_U_NITS	CONC_2_VALUE	CONC_2_LIMIT	SAMPLE_FREQUENCY	SAMPLE_TYPE
PA0112534	1/1/2017	12/31/2017	Annually	1/28/2018	9/19/2017	Total Nitrogen	lbs/day	3	Monitor and Report			mg/L	26.44	Monitor and Report	1/year	Grab
PA0112534	1/1/2018	12/31/2018	Annually	1/28/2019	8/20/2018	Total Nitrogen	lbs/day	< 4	Monitor and Report			mg/L	37.37	Monitor and Report	1/year	Grab
PA0112534	1/1/2019	12/31/2019	Annually	1/28/2020	8/14/2019	Total Nitrogen	lbs/day	< 21	Monitor and Report			mg/L	< 3.98	Monitor and Report	1/year	Grab
PA0112534	1/1/2018	12/31/2018	Annually	1/28/2019	8/20/2018	Total Nitrogen (Total Load, lbs)	lbs			< 134	Total Annual				1/year	Calculatio
PA0112534	1/1/2019	12/31/2019	Annually	1/28/2020	8/14/2019	Total Nitrogen (Total Load, lbs)	lbs			< 175	Total Annual				1/year	Calculatio
PA0112534	1/1/2017	12/31/2017	Annually	1/28/2018	9/19/2017	Total Phosphorus	lbs/day	0.3	Monitor and Report			mg/L	3.2	Monitor and Report	1/year	Grab
PA0112534	1/1/2018	12/31/2018	Annually	1/28/2019	8/20/2018	Total Phosphorus	lbs/day	0.8	Monitor and Report			mg/L	7.26	Monitor and Report	1/year	Grab
PA0112534	1/1/2019	12/31/2019	Annually	1/28/2020	8/14/2019	Total Phosphorus	lbs/day	5	Monitor and Report			mg/L	0.914	Monitor and Report	1/year	Grab
PA0112534	1/1/2018	12/31/2018	Annually	1/28/2019	8/20/2018	Total Phosphorus (Total Load, lbs)	lbs			26	Total Annual				1/year	Calculatio
PA0112534	1/1/2019	12/31/2019	Annually	1/28/2020	8/14/2019	Total Phosphorus (Total Load, lbs)	lbs			41	Total Annual				1/year	Calculatio

Tools and References Used to Develop Permit	
<input checked="" type="checkbox"/>	Q7-10 Analysis and Stream Data (see Appendix A)
<input checked="" type="checkbox"/>	WQM 7.0 Model Input/Output (see Appendix B)
<input type="checkbox"/>	Toxics Screening Analysis v2.4 (see Appendix)
<input type="checkbox"/>	PENTOXSD v2.0d Model Input/Output (see Appendix)
<input checked="" type="checkbox"/>	Facility Map and Schematic (see Appendix D)
<input checked="" type="checkbox"/>	TRC Evaluation Spreadsheet (see Appendix C)
<input type="checkbox"/>	Lake Model Output (see Appendix)
<input type="checkbox"/>	WETT Spreadsheet (see Appendix)
<input checked="" 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 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 checked="" 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 checked="" type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
<input 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 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 checked="" 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 checked="" type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input checked="" type="checkbox"/>	SOP: New and Reissuance Sewage Individual NPDES Permit Applications - Version 1.8 – 10/11/13
<input checked="" type="checkbox"/>	SOP: Establishing Effluent Limitations for Individual Sewage Permits– Version 1.5 - 8/23/13
<input type="checkbox"/>	Other: