

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

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0031861  
 APS ID 275933  
 Authorization ID 1208460

**Applicant and Facility Information**

Applicant Name	<u>Zerbe Sisters Nursing Center Inc.</u>	Facility Name	<u>Zerbe Health Care &amp; Rehabilitation Center STP</u>
Applicant Address	<u>2499 Zerbe Road</u> <u>Narvon, PA 17555</u>	Facility Address	<u>2499 Zerbe Road</u> <u>Narvon, PA 17555</u>
Applicant Contact	<u>Daniel Caffrey</u>	Facility Contact	<u>Brian Norris</u>
Applicant Phone	<u>(717) 445-4551</u>	Facility Phone	<u>(610) 633-8009</u>
Client ID	<u>5798</u>	Site ID	<u>3672</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Caernarvon Township</u>
Connection Status		County	<u>Lancaster</u>
Date Application Received	<u>November 21, 2017</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 9, 2018</u>	If No, Reason	
Purpose of Application	<u>NPDES Renewal.</u>		

**Summary of Review**

Zerbe Sisters Nursing Center, Inc. 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 May 24, 2013 and became effective on June 1, 2013. The permit authorized discharge of treated sewage from the existing wastewater treatment plant (WWTP) located in Caernarvon Township, Lancaster County into Unnamed Tributary to Conestoga River. The permit was transferred to Zerbe Sisters Nursing Center, Inc. on June 28, 2016 and became effective on July 1, 2016. The existing permit expiration date was May 31, 2018, and the permit has been administratively extended since that time.

Changes in this renewal: A more stringent Total Residual Chlorine (TRC) limit has been added to the permit.

Supplemental information for this report is located in an attachment below.



Zerbe Sisters  
Nursing Center PA00

Approve	Deny	Signatures	Date
		Benjamin R. Lockwood / Environmental Engineering Specialist	April 24, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Program Manager	

**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.	<u>001</u>	Design Flow (MGD)	<u>.036</u>
Latitude	<u>40° 10' 25.5"</u>	Longitude	<u>75° 56' 29.6"</u>
Quad Name	<u>Morgantown</u>	Quad Code	<u>1738</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to West Branch Conestoga River (WWF)</u>	Stream Code	<u>07813</u>
NHD Com ID	<u>57461673</u>	RMI	<u>3.99</u>
Drainage Area	<u>0.46 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0848</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.039</u>	Q <sub>7-10</sub> Basis	<u>USGS Stream Gage</u>
Elevation (ft)	<u>718</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>7-J</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	<u>N/A</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>N/A</u>	Exceptions to Criteria	<u>N/A</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Pathogens, Nutrients, Nutrients, Organic Enrichment/Low D.O.</u>		
Source(s) of Impairment	<u>Source Unknown, Agriculture, Other, Other</u>		
TMDL Status	<u>Final</u>	Name	<u>Conestoga Headwaters TMDL</u>
Nearest Downstream Public Water Supply Intake	<u>Lancaster City Water Bureau</u>		
PWS Waters	<u>Conestoga River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u>23.6</u>	Distance from Outfall (mi)	<u>40.97</u>

Changes Since Last Permit Issuance: A drainage area of 0.46 mi<sup>2</sup> and a Q<sub>7-10</sub> flow of 0.039 cubic feet per second (cfs) were determined by establishing a correlation to the yield of USGS Gage Station #01576085 on the Little Conestoga Creek. The Q<sub>7-10</sub> and drainage area at the gage are 0.5 cfs and 5.82 mi<sup>2</sup>, respectively. These values are taken from the USGS document "Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania". The Q<sub>7-10</sub> runoff rate at the gage station was calculated as follows:

$$\text{Yield} = (0.5 \text{ cfs}) / 5.82 \text{ mi}^2 = 0.086 \text{ cfs/mi}^2$$

The drainage area at the discharge point, taken from USGS PA StreamStats = 0.46 mi<sup>2</sup>

The Q<sub>7-10</sub> at the discharge point = 0.46 mi<sup>2</sup> x 0.086 cfs/mi<sup>2</sup> = 0.039 cfs

Treatment Facility Summary				
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Sequencing Batch Reactor	Hypochlorite	0.036
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.036	111	Not Overloaded	Holding Tank	Other WWTP

Changes Since Last Permit Issuance: None

Other Comments: The treatment process is as follows:

One (1) Bar Screen / Comminutor – One (1) Equalization Tank – One (1) SBR Unit – One (1) Chlorine Contact Tank (with liquid feed) – One (1) Post Aeration Tank – Discharge to Outfall 001

Compliance History	
<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>8/26/2014: A routine inspection was conducted by Andrew Hall, DEP Water Quality Specialist. Water in the chlorine contact tank and the effluent were clear. The outfall was inspected. No solids were present, and the water upstream and downstream was clear.</p> <p>7/10/2015: A routine inspection was conducted by Andrew Hall. The chlorine contact tank had some bulking sludge present but held back by the baffle. A light surface scum was present. Some growth was present on the baffle. The outfall was inspected, and the effluent was clear with no solids present. The water upstream and downstream was clear. It was noted that the headwall had some deterioration.</p> <p>2/28/2018: A follow up inspection was conducted by Kevin Buss, DEP Water Quality Specialist. Violations had been recorded during 1/18/2018 FUJ inspection for low effluent D.O. and high effluent ammonia. The violations were due to a faulty actuator for the decanter. Samples were taken and were within permit limits.</p>

Other Comments: There are currently open violations associated with this facility. There are violations from 12/06/2017 and 01/18/2018 regarding violations of effluent limits in Part A of the NPDES permit.

Compliance History

DMR Data for Outfall 001 (from March 1, 2018 to February 28, 2019)

Parameter	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	OCT-18	NOV-18	DEC-18	JAN-19	FEB-19
Flow (MGD) Average Monthly	0.00989	0.00846	0.00964	0.00746	0.00698	0.00864	0.00941	0.00893	0.01019	0.01056	0.01289	0.01208
Flow (MGD) Daily Maximum	0.01380	0.01200	0.01530	0.01140	0.01050	0.01270	0.01400	0.01170	0.01470	0.01350	0.01890	0.02160
pH (S.U.) Minimum	7.08	6.72	7.21	7.21	7.39	7.14	7.19	7.10	7.10	7.15	7.18	7.10
pH (S.U.) Instantaneous Maximum	7.49	8.33	8.11	8.02	8.25	7.92	7.78	7.80	7.73	7.69	7.91	7.55
DO (mg/L) Minimum	7.5	6.7	6.8	7.4	7.6	7.0	6.0	7.1	7.0	7.0	7.0	7.4
TRC (mg/L) Average Monthly	0.064	0.059	0.057	0.048	0.049	0.051	0.038	0.044	0.051	0.051	0.062	0.066
TRC (mg/L) Instantaneous Maximum	0.12	0.10	0.12	0.10	0.11	0.13	0.08	0.09	0.10	0.13	0.20	0.12
CBOD5 (mg/L) Average Monthly	4.3	5.4	3	< 2.2	< 2.4	< 2	< 2.55	< 2.95	< 2.05	2.95	< 2.1	< 2.85
TSS (mg/L) Average Monthly	10.5	13	< 7	< 5	< 7	6	< 7	< 5	< 7.5	< 5	< 5	< 5
Fecal Coliform (CFU/100 ml) Geometric Mean	19.9	35.4	< 2	14.6	1	< 1	17.9	28.6	< 1	3.2	< 1	< 2.2
Fecal Coliform (CFU/100 ml) Instantaneous Maximum	44	250	4	53	1	< 1	64	102	< 1	5	< 1	5
Nitrate-Nitrite (lbs/day) Daily Maximum										< 2.28		
Nitrate-Nitrite (mg/L) Daily Maximum										6.5		
Total Nitrogen (lbs/day) Daily Maximum										< 2.36		
Total Nitrogen (mg/L) Daily Maximum										8.7		
Ammonia (mg/L) Average Monthly	< 0.189	1.323	< 0.15	0.365	< 0.322	0.411	0.166	< 0.1	0.153	< 0.13	0.139	< 0.237

**NPDES Permit Fact Sheet**  
**Zerbe Health Care & Rehab Center**

**NPDES Permit No. PA0031861**

TKN (lbs/day) Daily Maximum										< 0.19		
TKN (mg/L) Daily Maximum										2.2		
Total Phosphorus (lbs) Total Monthly	1.029	0.438	0.395	0.599	1.564	0.861	0.829	1.295	1.532	1.039	0.351	0.403
Total Phosphorus (mg/L) Average Monthly	0.445	0.3	0.2	0.33	0.88	0.315	0.365	0.57	0.62	0.39	0.13	0.165
Total Phosphorus (lbs) Total Annual										10.95		

**Existing Effluent Limitations and Monitoring Requirements**

The table below summarizes effluent limits and monitoring requirements implemented in the existing NPDES permit.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	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	0.13	XXX	0.42	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	2/month	8-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	1000	2/month	Grab
Nitrate-Nitrite	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Total Nitrogen	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	6.0	XXX	12	2/month	8-Hr Composite
TKN	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Total Phosphorus	Report Total Mo	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite
Total Phosphorus (lbs)	XXX	219.31 Total Annual	XXX	XXX	XXX	XXX	1/year	Calculation

Compliance Sampling Location: At discharge from treatment facility

Other Comments: None

**Development of Effluent Limitations**

<b>Outfall No.</b>	001	<b>Design Flow (MGD)</b>	.036
<b>Latitude</b>	40° 10' 25.5"	<b>Longitude</b>	75° 56' 29.6"
<b>Wastewater Description:</b> Sewage Effluent			

**Technology-Based Limitations**

The facility is regulated by standards found in 40 CFR § 133.102 and 25 Pa. Code § 92a.47(a). These standards are shown below:

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: The abovementioned technology-based limitations (TBELs) apply, subject to water quality analysis and BPJ where applicable.

**Water Quality-Based Limitations**

Pursuant to 40 CFR § 122.44(d)(1)(i), more stringent requirements should be considered when pollutants are discharged at the levels which have the reasonable potential to cause or contribute to excursions above water quality standards.

WQM 7.0 ver. 1.0b is a water quality model designed to assist DEP in determining appropriate water quality based effluent limits (WQBELs) for carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), ammonia (NH<sub>3</sub>-N), and dissolved oxygen (D.O.). The model simulates two basic processes: In the NH<sub>3</sub>-N module, the model simulates the mixing and degradation of NH<sub>3</sub>-N in the stream and compares calculated instream NH<sub>3</sub>-N concentrations to NH<sub>3</sub>-N water quality criteria. In the D.O. module, the model simulates the mixing and consumption of D.O. in the stream due to the degradation of CBOD<sub>5</sub> and NH<sub>3</sub>-N and compares calculated instream D.O. concentrations to D.O. water quality criteria. The model then determines the highest pollutant loadings that the stream can assimilate while still meeting water quality criteria under design conditions. DEP's Technical Guidance No. 391-2000-007 provides the technical methods contained in WQM 7.0 for determining wasteload allocations and for determining recommended NPDES effluent limits for point source discharges.

The model was utilized for this permit application. The model output indicated a CBOD<sub>5</sub> average monthly limit of 25 mg/l, an NH<sub>3</sub>-N average monthly limit of 3.11 mg/l, and a D.O. minimum limit of 5.0 mg/l were protective of water quality. This NH<sub>3</sub>-N limit is less stringent than the existing summer NH<sub>3</sub>-N average monthly limit of 2.0 mg/l; therefore the existing limit will remain in the permit. The CBOD<sub>5</sub> limit of 25 mg/l is the same as the existing limit, and will remain in the permit.

There are no industrial/commercial users contributing industrial wastewater to the system and Zerbe does not currently have an EPA-approved pretreatment program. Accordingly, evaluating reasonable potential of toxic pollutants is not necessary as effluent levels of toxic pollutants are expected to be insignificant.



### **Best Professional Judgement (BPJ) Limitations**

A minimum D.O. limit of 5.0 mg/L is a D.O. water quality criterion found in 25 Pa. Code § 93.7(a). This limit is included in the existing NPDES permit. This limit will continue to be included in the permit to ensure that the facility continues to achieve compliance with DEP water quality standards.

### **Total Residual Chlorine**

The attached computer printout utilizes the equations and calculations as presented in the Department's May 1, 2003 Implementation Guidance for Total Residual Chlorine (TRC) (ID No. 391-2000-015) for developing chlorine limitations. The Guidance references Chapter 92, Section 92.2d (3) which establishes a standard BAT limit of 0.5 mg/l unless a facility-specific BAT has been developed. The attached printout indicates that a water quality limit of 0.11 mg/l would be needed to prevent toxicity concerns. It is recommended that a TRC limit of 0.11 mg/l monthly average and 0.36 mg/l instantaneous maximum be applied this permit cycle, which are slightly more stringent than the existing limit. Based on a review of past DMRs, this facility is capable of meeting this limit.

### **Additional Considerations**

#### **Chesapeake Bay Total Maximum Daily Load (TMDL)**

DEP developed 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). This strategy can be located in the *Pennsylvania Chesapeake Watershed Implementation Plan (WIP)*, dated January 11, 2011. Subsequently, an update to the WIP was published as the Phase 2 WIP. As part of the Phase 2 WIP, a *Phase 2 Watershed Implementation Plan Wastewater Supplement (Phase 2 Supplement)* was developed, providing an update on TMDL implementation for point sources and DEP's current implementation strategy for wastewater. The Phase 2 Supplement was most recently revised on September 6, 2017. Sewage discharges have been prioritized based on their design flow to the Bay. The highest priority (Phases 1, 2, and 3) dischargers will receive annual Cap Loads 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. For Phase 4 and 5 facilities, Cap Loads are not currently being implemented for renewed or amended permits for facilities that do not increase design flow.

This facility is considered a Phase 5 non-significant discharger with a design flow less than 0.2 MGD but greater than 0.002 MGD. According to DEP's latest-revised Phase 2 Supplement, issuance of permits with monitoring and reporting for TN and TP is recommended for any Phase 5 non-significant sewage facilities (i.e., facilities with average annual design flows on August 29, 2005 less than 0.2 MGD but greater than 0.002 MGD). Furthermore, DEP's SOP No. BPNPSM-PMT-033 states that in general, at a minimum, monitoring for TN and TP should be included in new and reissued permits for sewage discharges with design flows > 2,000 gpd. TN monitoring and a TP limit is already included in the existing permit and will remain in the permit.

#### **Conestoga Headworks TMDL**

A TMDL for the Conestoga Headworks was finalized on April 9, 2005. The TMDL allocated a total load of 219.31 lbs/year Total Phosphorus to this facility. This annual load and the corresponding monthly average concentration of 2.0 mg/l were included in the previous permit, and will remain in the 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. No High Quality Waters are impacted by this discharge. No Exceptional Value Waters are impacted by this discharge.

#### **303d Listed Streams**

The discharge is located on a stream segment that is designated on the 303(d) list as impaired. The recreational impairment is due to pathogens from an unknown source. The aquatic life impairment is due to nutrients from agriculture, nutrients from other, and organic enrichment / low D.O. from other. The proposed effluent limits include a limit for fecal coliform, NH<sub>3</sub>-N, and TP, and a monitoring requirement for TN. This discharge is not expected to significantly contribute to these impairments.

Class A Wild Trout Fisheries

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

Anti-Backsliding

Pursuant to 40 CFR § 122.44(l)(1), all proposed permit requirements addressed in this fact sheet are at least as stringent as the requirements implemented in the existing NPDES permit unless any exceptions addressed by DEP in this fact sheet.

**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	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.11	XXX	0.36	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	8-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	2/month	8-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
Nitrate-Nitrite	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Total Nitrogen	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	6.0	XXX	12	2/month	8-Hr Composite
Ammonia May 1 - Oct 31	XXX	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite
TKN	XXX	Report	XXX	Report Daily Max	XXX	XXX	1/year	8-Hr Composite
Total Phosphorus	Report Total Mo	XXX	XXX	2.0	XXX	4.0	2/month	8-Hr Composite

**Outfall 001 , Continued (from 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	Daily Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
Total Phosphorus (lbs)	XXX	219.31 Total Annual	XXX	XXX	XXX	XXX	1/year	Calculation

Compliance Sampling Location: Outfall 001

Other Comments: None

Tools and References Used to Develop Permit	
<input checked="" type="checkbox"/>	WQM for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	PENTOXSD for Windows Model (see Attachment [redacted])
<input checked="" 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 checked="" 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 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 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 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]