

ANNEX A

TITLE 25. ENVIRONMENTAL PROTECTION
PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION
Subpart C. PROTECTION OF NATURAL RESOURCES
ARTICLE II. WATER RESOURCES

CHAPTER 93. WATER QUALITY STANDARDS

GENERAL PROVISIONS

§ 93.1. Definitions.

The following words and terms, when used in this chapter, have the following meanings, unless the context clearly indicates otherwise:

[*Critical use*—The most sensitive designated or existing use the criteria are designed to protect.]

Point source discharge—A pollutant source regulated under the National Pollutant Discharge Elimination System (NPDES) as defined in § [92.1] 92a.2 (relating to definitions).

ANTIDegradation REQUIREMENTS

§ 93.4c. Implementation of antidegradation requirements.

(b) *Protection of High Quality and Exceptional Value Waters*

(1) *Point source discharges*. The following applies to point source discharges to High Quality or Exceptional Value Waters.

(ii) *Public participation requirements for discharges to High Quality or Exceptional Value Waters*. The following requirements apply to discharges to High Quality or Exceptional Value Waters, as applicable:

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(A) The Department will hold a public hearing on a proposed new, additional or increased discharge to Exceptional Value Waters when requested by an interested person on or before the termination of the public comment period on the discharge.

(B) For new or increased point source discharges, in addition to the public participation requirements in §§ [92.61, 92.63 and 92.65] 92a.81, 92a.82, 92a.83, 92a.85 (relating to public notice of permit application and public hearing; public access to information; and notice to other government agencies), the applicant shall identify the antidegradation classification of the receiving water in the notice of complete application in § [92.61(a)] 92a.86 (relating to notice of issuance or final action on a permit).

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(c) *Special provisions for sewage facilities in High Quality or Exceptional Value Waters.*

(1) *SEJ approval in sewage facilities planning and approval in High Quality Waters.* A proponent of a new, additional, or increased sewage discharge in High Quality Waters shall include an SEJ impact analysis as part of the proposed revision or update to the official municipal sewage facilities plan under Chapter 71 (relating to administration of sewage facilities planning program). The Department will make a determination regarding the consistency of the SEJ impact analysis with subsection (b)(1)(iii). The determination will constitute the subsection (b)(1)(iii) analysis at the National Pollutant Discharge Elimination System (NPDES) permit review stage under Chapter 92a (relating to National Pollutant Discharge Elimination System permitting, monitoring and compliance), unless there is a material change in the project or law between sewage facilities planning and NPDES permitting, in which case the proponent shall recommence sewage facilities planning and perform a new social or economic justification impact analysis.

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§ 93.4d. Processing of petitions, evaluations and assessments to change a designated use.

(a) *Public notice of receipt of [evaluation] petition, or assessment of waters, for High Quality or Exceptional Value Waters redesignation.* The Department will publish in the *Pennsylvania Bulletin* and **[in a local newspaper of general circulation] by other means designed to effectively reach a wide audience**, notice of receipt of a complete **[evaluation] petition** which has been accepted by the EQB recommending a High Quality or Exceptional Value Waters redesignation, or notice of the Department’s intent to assess surface waters for potential redesignation as High Quality or Exceptional Value Waters. The assessments may be undertaken in response to a petition or on the Department’s own initiative. The notice will request submission of information concerning the water quality of the waters subject to the evaluation, or to be assessed, for use by the Department to supplement any studies which have been performed. The Department will send a copy of the notice to all municipalities containing waters subject to the **[evaluation] petition** or assessment.

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§ 93.7. Specific water quality criteria.

- (a) Table 3 displays specific water quality criteria and associated critical uses. The criteria associated with the Statewide water uses listed in § 93.4, Table 2 apply to all surface waters, unless a specific exception is indicated in § § 93.9a—93.9z. **These exceptions will be indicated on a stream-by-stream or segment-by-segment basis by the words “Add” or “Delete” followed by the appropriate symbols described elsewhere in this chapter.** Other specific water quality criteria apply to surface waters as specified in § § 93.9a—93.9z. All applicable criteria shall be applied in accordance with this chapter, Chapter 96 (relating to water quality standards implementation) and other applicable State and Federal laws and regulations.

TABLE 3

Parameter	Symbol	Criteria	Critical Use*

Chloride	Ch ₁	Maximum 250 mg/L	PWS
	<u>Ch₂</u>	<p><u>Shall not exceed the concentration calculated by the following equations:</u></p> <p><u>1 hour average (CMC) criterion:</u> $\frac{287.8(\text{Hardness})^{0.205797}(\text{Sulfate})^{-0.07452}}{\text{Acute Criteria Value (mg/L)}}$ </p> <p><u>4 day average (CCC) criterion:</u> $\frac{177.87(\text{Hardness})^{0.205797}(\text{Sulfate})^{-0.07452}}{\text{Chronic Criteria Value (mg/L)}}$ </p> <p>Hardness (in mg/L as CaCO₃) and sulfate values shall be based on receiving water natural quality.</p>	<u>CWF, WWF, TSF, MF</u>
Dissolved Oxygen		*****	
		The following specific dissolved oxygen criteria recognize the natural process of stratification in lakes, ponds and impoundments. These criteria apply to flowing <u>fresh</u> waters and to the epilimnion of a naturally stratified lake, pond or impoundment. The hypolimnion in a naturally stratified lake, pond or impoundment is protected by the narrative water quality criteria in §93.6 (relating to general water quality criteria). For nonstratified lakes, ponds or impoundments, the dissolved oxygen criteria apply throughout the lake,	

	pond or impoundment to protect the critical uses.	
DO ₁	For flowing waters, <u>[minimum daily] 7-day average 6.0 mg/l; minimum 5.0 mg/l. For naturally reproducing Salmonid early life stages, 7-day average 9.0 mg/l; minimum 8.0 mg/l, in accordance with (e).</u> For lakes, ponds and impoundments, minimum 5.0 mg/l.	CWF [HQ-WWF] [HQ-TSF]
DO ₂	<u>[Minimum daily average 5.0 mg/l; minimum 4.0 mg/l.] 7-day average 5.5 mg/l; minimum 5.0 mg/l.</u>	WWF
DO ₃	For the period February 15 to July 31 of any year, <u>[minimum daily] 7-day</u> average 6.0 mg/l; minimum 5.0 mg/l. For the remainder of the year, <u>[minimum daily] 7-day</u> average 5.0 mg/l; minimum 4.0 mg/l.	TSF
[DO ₄	<u>Minimum 7.0 mg/l.</u>	HQ-CWF]
	* * * * *	
Sulfate	Sul ₁ Maximum 250 mg/L	PWS
	<u>Sul₂ Shall not exceed 2,000 mg/L.</u>	<u>LWS,</u> <u>AWS,</u> <u>CWF,</u> <u>WWF,</u> <u>TSF, MF</u>
	<u>Sul₃ Shall not exceed the concentration calculated by the following equations, if using a hardness value that is greater than or equal to 100 mg/L, but less than or equal to 500 mg/L:</u>	<u>CWF,</u> <u>WWF,</u> <u>TSF, MF</u>
	<u>A.) If the chloride concentration is greater than or equal to 25 mg/L but less than or equal to 500 mg/L, then:</u> <u>C = [1276.7 + 5.508 (hardness) – 1.457 (chloride)] * 0.65 where, C = sulfate concentration</u>	
	<u>B.) If the chloride concentration is greater than or equal to 5 mg/L but less than 25 mg/L, then:</u>	

C = [-57.478 + 5.79 (hardness) + 54.163 (chloride)] * 0.65 where, C = sulfate concentration

Hardness (in mg/L as CaCO₃) and chloride values shall be based on receiving water natural quality.

Sul₄

If hardness (in mg/L as CaCO₃) and chloride (in mg/L) concentrations are in values other than those specified in Sul₃, the following shall apply:

CWF,
WWF,
TSF, MF

If the hardness concentration is less than 100 mg/L or chloride concentration is less than 5 mg/L, the sulfate standard is 500 mg/L.

If the hardness is greater than 500 mg/L and the chloride concentration is 5 mg/L or greater, the sulfate standard is 2,000 mg/L.

Hardness (in mg/L as CaCO₃) and chloride values shall be based on receiving water natural quality.

Temperature

Maximum temperatures in the receiving water body resulting from heated waste sources regulated under Chapters [92] 92a, 96 and other sources where temperature limits are necessary to protect designated and existing uses. Additionally, these wastes may not result in a change by more than 2°F during a 1-hour period.

See the following

(b) [Table 4 contains specific water quality criteria that apply to the water uses to be protected. When the symbols listed in Table 4 appear in the Water Uses Protected column in § § 93.9a—93.9z, they have the meaning listed in the second column of Table 4. Exceptions to these standardized groupings will be indicated on a stream-by-stream or segment-by-segment basis by the words “Add” or “Delete” followed by the appropriate symbols described elsewhere in this chapter.

TABLE 4

<i>Symbol</i>	<i>Water Uses Protected</i>	<i>Specific Criteria</i>
WWF	Statewide list	DO ₂ and Temp ₂
CWF	Statewide list plus Cold Water Fish	DO ₁ and Temp ₁
TSF	Statewide list plus Trout Stocking	DO ₃ and Temp ₃
HQ-WWF	Statewide list plus High Quality Waters	DO ₁ and Temp ₂
HQ-CWF	Statewide list plus High Quality Waters and Cold Water Fish	DO ₄ and Temp ₁
HQ-TSF	Statewide list plus High Quality Waters and Trout Stocking	DO ₁ and Temp ₃
EV	Statewide list plus Exceptional Value Waters	Existing quality]

[Reserved]

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(e) For naturally reproducing Salmonids, protected early life stages include: all embryonic and larval stages and all juvenile forms to 30 days after hatching. The DO₁ standard for naturally reproducing Salmonid early life stages shall apply during October 1 through May 31.

The DO₁ standard for naturally reproducing Salmonid early life stages applies unless it can be demonstrated to the Department’s satisfaction, that the following conditions are documented: 1) the absence of young of the year Salmonids measuring less than 150 mm in the surface water; and 2) the absence of multiple age classes of Salmonids in the surface water. These conditions shall only apply to Salmonids resulting from natural reproduction occurring in the surface waters. Additional biological information may be considered by the Department which evaluates the presence or absence of early life stages.

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§ 93.8b. Metals criteria.

Dissolved criteria are footnoted in Table 5, and have been developed by applying the most current EPA conversion factors to the total recoverable criteria. The EPA factors are listed in the following Conversion Factors Table.

Conversion Factors Table

	<i>Chronic</i>	<i>Acute</i>	<i>Source</i>
Arsenic	1.000 (As3+)	1.000 (As3+)	1,2
Cadmium	1.101672- (ln[H] x 0.041838)	1.136672- (ln[H] x 0.041838)	2
<u>Chromium III</u>	<u>.860</u>	<u>.316</u>	<u>1,2</u>

Chromium VI 0.962

0.960

1, 2

§ 93.8c. Human health and aquatic life criteria for toxic substances.

TABLE 5

WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	Chemical Name	CAS Number	Fish and Aquatic Life Criteria		Human Health Criteria (ug/L)	
			Criteria Continuous Concentrations (ug/L)	Criteria Maximum Concentration (ug/L)		

9A	PENTACHLORO-PHENOL	00087865	Exp(1.005x[pH]-5.134) @pH= 6.5 7.8 9.0 Crit= 4.1 15 50	Exp(1.005x[pH]-4.869) @pH= 6.5 7.8 9.0 Crit= 5.3 19 65	0.27	CRL
10A	PHENOL	00108952	N/A	N/A	[21000] <u>10400</u>	H
11A	2,4,6-TRICHLOROPHENOL	00088062	91	460	1.4	CRL
1V	ACROLEIN	00107028	[1] <u>3.0</u>	[5] <u>3.0</u>	[190] <u>6.0</u>	H
2V	ACRYLONITRILE	00107131	130	650	0.051	CRL

26V	1,2-trans-DICHLORO-ETHYLENE	00156605	1400	6800	140	H
=	<u>1,2-cis-DICHLORO-ETHYLENE</u>	<u>156-59-2</u>	<u>N/A</u>	<u>N/A</u>	<u>12</u>	<u>H</u>
27V	1,1,1-TRICHLORO-ETHANE	00071556	610	3000	N/A	-

—	ACETONE	00067641	86000	450000	3500	H
—	<u>ACRYLAMIDE</u>	<u>79-06-1</u>	<u>N/A</u>	<u>N/A</u>	<u>0.07</u>	<u>CRL</u>
—	ALUMINUM	07429905	N/A	750	N/A	-
—	BARIUM	07440393	4100	21000	2400	H

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—	<u>BENZENE</u> <u>METADISULFONIC ACID</u>	<u>00098486</u> <u>2600000</u>	<u>1600000</u>	<u>N/A</u>	:
—	<u>BENZENE</u> <u>MONOSULFONIC ACID</u>	<u>00098113</u> <u>2000000</u>	<u>1200000</u>	<u>N/A</u>	:
—	<u>BENZYL CHLORIDE</u>	<u>100-44-7</u> <u>N/A</u>	<u>N/A</u>	<u>0.2</u>	<u>CRL</u>
—	BORON	07440428 1600	8100	3100	H
—	<u>2-BUTOXY</u> <u>ETHANOL</u>	<u>111-76-2</u> <u>N/A</u>	<u>N/A</u>	<u>700</u>	<u>H</u>
—	COBALT	07440484 19	95	N/A	-
—	p-CRESOL	00106445 160	800	N/A	-
—	<u>CYCLOHEXYLAMINE</u>	<u>108-91-8</u> <u>N/A</u>	<u>N/A</u>	<u>1000</u>	<u>H</u>
—	<u>1,4-DIOXANE</u>	<u>123-91-1</u> <u>N/A</u>	<u>N/A</u>	<u>0.35</u>	<u>CRL</u>
—	DIAZINON	333415 0.17	0.17	N/A	-
—	FORMALDEHYDE	00050000 440	2200	700	H
—	2-HEXANONE	00591786 4300	21000	N/A	-
—	LITHIUM	07439932 N/A	N/A	N/A	-
—	METHYLETHYL KETONE	00078933 32000	230000	21000	H
—	METHYLISO-BUTYL KETONE	00108101 5000	26000	N/A	-
—	METOLACHLOR	51218452 NA	NA	69	H
—	<u>MOLYBDENUM</u>	<u>7439987</u> <u>1900</u>	<u>6000</u>	<u>210</u>	<u>H</u>
—	<u>NONYLPHENOL</u>	<u>104-40-5</u> <u>6.6</u>	<u>28</u>	<u>N/A</u>	:
—	<u>P-PHENOL SULFONIC ACID</u>	<u>00098679</u> <u>3500000</u>	<u>1400000</u>	<u>N/A</u>	:
—	I-PROPANOL	00071238 46000	230000	N/A	-
—	2-PROPANOL	00067630 89000	440000	N/A	-
—	<u>RESORCINOL</u>	<u>01084603</u> <u>28000</u>	<u>7200</u>	<u>2700</u>	<u>H</u>
—	<u>STRONTIUM</u>	<u>7440246</u> <u>N/A</u>	<u>N/A</u>	<u>4000</u>	<u>H</u>
—	1,2,3-TRICHLORO- PROPANE	00096184 N/A	N/A	210	H
—	<u>1,2,4-</u> <u>TRIMETHYLBENZENE</u>	<u>95-63-6</u> <u>N/A</u>	<u>N/A</u>	<u>72</u>	<u>H</u>
—	<u>1,3,5-</u> <u>TRIMETHYLBENZENE</u>	<u>108-67-8</u> <u>N/A</u>	<u>N/A</u>	<u>72</u>	<u>H</u>
—	XYLENE	01330207 210	1100	70000	H

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§ 93.8d. Development of site-specific water quality criteria.

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f) If the Department determines that site-specific criteria are appropriate in accordance with subsection (a), the Department will do the following:

(1) Publish the site-specific criterion in the *Pennsylvania Bulletin*, along with other special conditions under [§ 92.61(a)(5)] §§ 92a.82 and 92a.83 (relating to public notice of permit application; and public hearing) and provide for public participation and public hearing in accordance with § [92.61 and § § 92.63 and 92.65] 92a.81, 92a.82, 92a.83 and 92a.85 (relating to public access to information; and notice to other government agencies).

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DESIGNATED WATER USES AND WATER QUALITY CRITERIA

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§ 93.9b. Drainage List B.

Delaware River Basin in Pennsylvania

Lackawaxen River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
1—Delaware River				
2—Lackawaxen River				
3—West Branch Lackawaxen River	Basin, Source to Prompton Reservoir	Wayne	HQ-CWF, MF	None
3—West Branch Lackawaxen River	Main Stem, Prompton Reservoir to Confluence with [Dyberry Creek] <u>Lackawaxen River and Van Auken Creek</u>	Wayne	HQ-TSF, MF	None
4—[Unnamed] Tributaries to West Branch Lackawaxen River	Basins, Prompton Reservoir to Confluence with [Dyberry Creek] <u>Lackawaxen River and Van Auken Creek</u>	Wayne	HQ-CWF, MF	None
[4] 3—Van Auken Creek	Basin	Wayne	HQ-TSF, MF	None
<u>2—Lackawaxen River</u>	<u>Mainstem, confluence of West Branch Lackawaxen River and Van Auken Creek to Dyberry Creek</u>	<u>Wayne</u>	<u>HQ-TSF, MF</u>	<u>None</u>

<u>3—Tributaries to Lackawaxen River</u>	<u>Basins, confluence of West Branch Lackawaxen River and Van Auken Creek to Dyberry Creek</u>	<u>Wayne</u>	<u>HQ-CWF, MF</u>	<u>None</u>
3—Dyberry Creek				
4—West Branch Dyberry Creek	Basin	Wayne	HQ-CWF, MF	None
4—East Branch Dyberry Creek	Basin	Wayne	EV, MF	None
3—Dyberry Creek	Basin, Confluence of West Branch Dyberry Creek and East Branch Dyberry Creek to Big Brook	Wayne	HQ-CWF, MF	None
4—Big Brook	Basin	Wayne	EV, MF	None
3—Dyberry Creek	Basin, Big Brook to Mouth	Wayne	HQ-CWF, MF	None
2—Lackawaxen River	Main Stem, [Confluence of West Branch Lackawaxen River and] Dyberry Creek to Mouth	Wayne	HQ-TSF, MF	None
3—[Unnamed] Tributaries to Lackawaxen River	Basins, [Confluence of West Branch Lackawaxen River and] Dyberry Creek to [Mouth]	Wayne	HQ-CWF, MF	None
[3—Carley Brook	<u>Wallenpaupack Creek</u> Basin	Wayne	HQ-CWF, MF	None
3—Middle Creek	Basin	Wayne	HQ-CWF, MF	None]
3—Wallenpaupack Creek	Basin, Source to Lake Wallenpaupack Dam	Wayne-Pike	HQ-CWF, MF	None
3—Wallenpaupack Creek	Basin, Lake Wallenpaupack Dam to Mouth	Wayne-Pike	HQ-WWF, MF	None
<u>3-Tributaries to Lackawaxen River</u>	<u>Wallenpaupack Creek to Mouth</u>	<u>Pike</u>	<u>HQ-CWF, MF</u>	<u>None</u>
[3—Swamp Brook	Basin	Pike	HQ-CWF, MF	None
3—Tinkwig Creek	Basin	Pike	HQ-CWF, MF	None
3—Decker Creek	Basin	Pike	HQ-CWF, MF	None

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3—Teedyuskung Creek	Basin	Pike	MF HQ-CWF, None
3—Blooming Grove Creek	Basin	Pike	MF HQ-CWF, None
3—Little Blooming Grove Creek	Basin	Pike	MF HQ-CWF, None
3—Grassy Island Creek	Basin	Pike	MF HQ-CWF, None
3—Kirkham Creek	Basin	Pike	MF HQ-CWF, None
3—West Falls Creek	Basin	Pike	MF HQ-CWF, None
3—Mill Creek	Basin	Pike	MF HQ-CWF, None
3—O'Donnell Creek	Basin	Pike	MF HQ-CWF, None
3—Lords Creek	Basin	Pike	MF HQ-CWF, None]

**§ 93.9c. Drainage List C.
Delaware River Basin in Pennsylvania
Delaware River**

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
3—Pine Mountain Run	Basin	Monroe	HQ-CWF, MF	None
<u>3—Leas Run</u>	<u>Basin</u>	<u>Monroe</u>	<u>HQ-CWF, MF</u>	<u>None</u>
3—Paradise Creek	<u>[Main Stem] Basin, source to Devils Hole Creek</u>	Monroe	HQ-CWF, MF	None
[4—Unnamed Tributaries to Paradise Creek	Basins	Monroe	HQ-CWF, MF	None]
4—Devils Hole Creek	Basin, Source to South Boundary of State Game Lands No. 221 (about 0.25 mile north of Erie-Lackawanna R. R.)	Monroe	EV, MF	None

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§ 93.9e. Drainage List E.

Delaware River Basin in Pennsylvania

Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Little Neshaminy Creek	Basin	Bucks	WWF, MF	Add Tur ₁
3—Mill Creek	[Basin, Source to Watson Creek	Bucks	CWF, MF	Add Tur ₂]
<u>4—Lahaska Creek</u>	<u>Basin</u>	<u>Bucks</u>	<u>CWF, MF</u>	<u>Add Tur₂</u>
4—Watson Creek	Basin	Bucks	CWF, MF	Add Tur ₂
3—Mill Creek	Basin, <u>Confluence of Lahaska Creek and Watson Creek to Mouth</u>	Bucks	WWF, MF	Add Tur ₁

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§ 93.9f. Drainage List F.

Delaware River Basin in Pennsylvania

Schuylkill River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
3—Little Schuylkill River	Basin, Rattling Run to Mouth	Schuylkill	CWF, MF	None
2—Schuylkill River	Main Stem, Little Schuylkill River to <u>[Head of Tide] Valley Creek</u>	<u>[Philadelphia] Montgomery-Chester</u>	WWF, MF	None
3—Unnamed Tributaries to Schuylkill River	Basins, Little Schuylkill River to Berks-Chester-	Schuylkill-Berks	WWF, MF	None

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Montgomery County
Border

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3—Valley Creek	Basin	Montgomery-Chester	EV, MF	None
[3—UNTs to Schuylkill River	Basins, Valley Creek to UNT 00926 at RM 18.9	Chester-Montgomery	WWF, MF	None
3—Trout Creek	Basin	Montgomery	WWF, MF	None
3—Indian Creek	Basin	Montgomery	WWF, MF	None
3—Crow Creek	Basin	Montgomery	WWF, MF	None]
<u>2--Schuylkill River</u>	<u>Basin, Valley Creek to Stony Creek</u>	<u>Montgomery</u>	<u>WWF, MF</u>	<u>None</u>
3—Stony Creek	Basin	Montgomery	TSF, MF	None
[3—Sawmill Run	Basin	Montgomery	WWF, MF	None
3—Diamond Run	Basin	Montgomery	WWF, MF	None
3—Gulph Creek	Basin	Montgomery	WWF, MF	None
3—Plymouth Creek	Basin	Montgomery	WWF, MF	None
3—Arrowmink Creek	Basin	Montgomery	WWF, MF	None]
<u>2--Schuylkill River</u>	<u>Basin, Stony Creek to UNT 00926</u>	<u>Montgomery</u>	<u>WWF, MF</u>	<u>None</u>
3--UNT 00926 at RM 18.9 (locally Spring Mill Run)	Basin	Montgomery	CWF, MF	None
[3--UNTs to Schuylkill River	Basins, UNT 00926 downstream to Head of Tide	Montgomery-Philadelphia	WWF, MF	None
3—Sawmill Run	Basin	Montgomery	WWF, MF	None]
<u>2--Schuylkill River</u>	<u>Basin, UNT 00926 downstream to Mill Creek</u>	<u>Montgomery-Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>
3—Mill Creek	Basin	Montgomery	TSF, MF	None
[3—Gulley Run	Basin	Montgomery	WWF, MF	None]
<u>2--Schuylkill River</u>	<u>Basin, Mill Creek to Wissahickon Creek</u>	<u>Montgomery-Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>
3—Wissahickon Creek	Basin	Philadelphia	TSF, MF	None
<u>2--Schuylkill River</u>	<u>Basin, Wissahickon Creek to Head of Tide</u>	<u>Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>

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§ 93.9g. Drainage List G.

Delaware River Basin in Pennsylvania

Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria

3—White Clay Creek	Basin, Source to Northern Border of Avondale Borough	Chester	EV, MF	None
4—East Branch White Clay [Branch] Creek				
4—East Branch White Clay Creek	Basin, Northern Border of Avondale Borough to Confluence with Middle Branch	Chester	CWF, MF	None

5—Unnamed Tributaries to West Branch Brandywine Creek	Basins, T 437 Bridge to Dam at Valley Station (except those in West Brandywine Township)	Chester	TSF, MF	None
5—[Unnamed] Tributaries to West Branch Brandywine Creek	Basins, all portions in West Brandywine Township	Chester	HQ-TSF, MF	None
5—Birch Run	Basin, Source to Hibernia Park Dam	Chester	HQ-CWF, MF	None

§ 93.9h. Drainage List H.

Susquehanna River Basin in Pennsylvania

Tioga River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria

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4—Moccasin Run (Moccasin Falls Run)	Basin	Clinton	MF HQ-CWF, MF	None
* * * * *				
4—Mill Creek	Basin	Tioga	HQ-CWF, MF	None
4—Roaring [Brook] Branch	Basin	Tioga	HQ-CWF, MF	None
4—Abbott Run	Basin	Lycoming	HQ-CWF, MF	None
* * * * *				
5—Mock Creek	Basin	Lycoming	HQ-CWF, MF	None
[5—Wolf Run	Basin, Source to	Lycoming	HQ-CWF,	None
6—Noon Branch Wolf Run	Basin	Lycoming	EV, MF	None
5—Wolf Run	Basin, Noon	Lycoming	HQ-CWF,	None]
<u>5—Noon Branch</u>	<u>Basin, Source to</u>	<u>Lycoming</u>	<u>EV, MF</u>	<u>None</u>
<u>6—Wolf Run</u>	<u>Basin</u>	<u>Lycoming</u>	<u>HQ-CWF,</u>	<u>None</u>
<u>5—Noon Branch</u>	<u>Basin, Wolf Run</u>	<u>Lycoming</u>	<u>HQ-CWF,</u>	<u>None</u>
5—King Run	Basin, Source to Engle Run	Lycoming	HQ-CWF, MF	None
* * * * *				

§ 93.9m. Drainage List M.

Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
2—Penns Creek	Main Stem, Laurel Run to Mouth	Snyder	WWF, MF	None

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[2—Penns Creek]

3—Unnamed Tributaries to Penns Creek	Basins, Laurel Run to RM 26.50	Union	CWF, MF	None
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3—Crab Run	Basin	Schuylkill	CWF, MF	None
3—Zerbe Run	Basin	[Schuylkill]	CWF, MF	None

Northumberland

3—Schwaben Creek	Basin	Northumberland	TSF, MF	None
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§ 93.9n. Drainage List N.

Susquehanna River Basin in Pennsylvania

Juniata River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
5—Stone Creek	Basin, UNT 14908 to Mouth	Bedford	CWF, MF	None
5—Bobs Creek	Basin, Source to [Deep Hollow] <u>Pavia</u> Run	Bedford	HQ-CWF, MF	None
6— [Deep Hollow] <u>Pavia</u> Run	Basin	Bedford	HQ-CWF, MF	None
5—Bobs Creek	Basin, [Deep Hollow] <u>Pavia</u> Run to Mouth	Bedford	CWF, MF	None
5—Adams Run	Basin	Bedford	WWF, MF	None

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§ 93.9o. Drainage List O.

Susquehanna River Basin in Pennsylvania

Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
3—Unnamed Tributaries to Conodoguinet Creek	Basins, PA 997 at Roxbury to Mouth	Franklin-Cumberland	WWF, MF	None
3—Muddy Run	Basin, <u>Source to Rowe Run</u>	Franklin	WWF, MF	None
[3—Keasey Run	Basin	Franklin	WWF, MF	None]
[3] <u>4—Rowe Run</u>	Basin	Franklin	CWF, MF	None
<u>3—Muddy Run</u>	<u>Basin, Rowe Run to Mouth</u>	<u>Franklin</u>	<u>WWF, MF</u>	<u>None</u>
3—Middle Spring Creek	Basin	Franklin-Cumberland	CWF, MF	None
* * * * *				
3—Stoverstown Branch	Basin	York	WWF, MF	None
3—South Branch Codorus Creek	[Main Stem] <u>Basin, source to UNT from Glen Rock Valley at RM 16.85</u>	York	WWF, MF	None
[4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Source to Unnamed Tributary from Glen Rock Valley at RM 16.06	York	WWF, MF	None]
4—[<u>Unnamed Tributary</u>] <u>UNT</u> to South Branch Codorus Creek Through Glen Rock Valley	Basin	York	CWF, MF	None
<u>3—South Branch Codorus Creek</u>	<u>Basin, UNT from Glen Rock Valley to East Branch Codorus Creek</u>	<u>York</u>	<u>WWF, MF</u>	<u>None</u>
[4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Unnamed Tributary from Glen Rock Valley to Mouth	York	WWF, MF	None
4—Trout Run	Basin	York	WWF, MF	None
4—Foust Creek	Basin	York	WWF, MF	None
4—Centerville Creek	Basin	York	WWF, MF	None

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4—Cherry Run	Basin	York	WWF, MF	None
4—Fishel Creek	Basin	York	WWF, MF	None]
4—East Branch Codorus Creek	Basin, Source to PA 214	York	HQ-CWF, MF	None
4—East Branch Codorus Creek	Basin, PA 214 to Inlet of Lake Redman	York	CWF, MF	None
4—East Branch Codorus Creek	Main Stem, Inlet of Lake Redman to Mouth	York	WWF, MF	None
5—[Unnamed Tributaries] <u>UNTs</u> to East Branch Codorus Creek	<u>Basins</u> , Inlet of Lake Redman to Mouth	York	CWF, MF	None
5—Inners Creek	Basin	York	CWF, MF	None
<u>3—South Branch Codorus Creek</u>	<u>Basin, East Branch Codorus Creek to Mouth</u>	<u>York</u>	<u>WWF, MF</u>	<u>None</u>
3—Willis Run	Basin	York	WWF, MF	None
* * * * *				
2—Pequea Creek	Main Stem, Source to PA 897	Lancaster	HQ-CWF, MF	None
3—Unnamed Tributaries to Pequea Creek	Basins, Source to PA 897	Lancaster	HQ-CWF, MF	None
<u>3—Indian Spring Run</u>	<u>Basin, Source to SR 10 Bridge</u>	<u>Chester</u>	<u>EV, MF</u>	<u>None</u>
<u>3—Indian Spring Run</u>	<u>Basin, SR10 to Confluence of UNT 07540 at RM 1.95</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
<u>4—UNT 07540 at RM 1.95 to Indian Spring Run</u>	<u>Basin, Source to SR10 Bridge</u>	<u>Chester</u>	<u>HQ-CWF, MF</u>	<u>None</u>
<u>4—UNT 07540 at RM 1.95 to Indian Spring Run</u>	<u>Basin, SR10 Bridge to Mouth</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
<u>3—Indian Spring Run</u>	<u>Basin, UNT 07540 to Mouth</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
2—Pequea Creek	Main Stem, PA 897 to Mouth	Lancaster	WWF, MF	None
3—Unnamed Tributaries to Pequea Creek	Basins, PA 897 to Eshleman Run	Lancaster	CWF, MF	None
[3—Indian Spring Run	Basin, Source to SR 10 Bridge	Chester	EV, MF	None

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3—Indian Spring Run	Basin, SR10 to Confluence of UNT 07540 at RM 1.95	Lancaster	CWF, MF	None
4—UNT 07540 at RM 1.95 to Indian Spring Run	Basin, Source to SR10 Bridge	Chester	HQ-CWF, MF	None
4—UNT 07540 at RM 1.95 to Indian Spring Run	Basin, SR10 Bridge to Mouth	Lancaster	CWF, MF	None
3—Indian Spring Run	Basin, UNT 07540 to Mouth	Lancaster	CWF, MF	None]
3—White Horse Run	Basin	Lancaster	WWF, MF	None
* * * * *				
2—Peters Creek	Basin	Lancaster	HQ-WWF, MF	None
2—Haines [Run] Branch	Basin	Lancaster	HQ-WWF, MF	None
2—Michael Run	Basin (all sections in PA)	York	WWF, MF	None

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§ 93.9s. Drainage List S.
Ohio River Basin in Pennsylvania
Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
* * * * *				
5—Reisinger Run	Basin	Clearfield	CWF	None
5—[Pent] Pentz Run	Basin	Clearfield	CWF	None
5—Beaver Run	Basin	Clearfield	CWF	None
* * * * *				
4—North Fork Redbank Creek	[Main Stem] Basin, Source to [Confluence with Sandy Lick Creek] <u>South</u>	Jefferson	HQ-CWF	None

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[5—Unnamed Tributaries to North Fork	<u>Branch of North Fork Redbank Creek</u> Basins, Source to Confluence with Sandy Lick Creek	Jefferson	HQ-CWF	None
5—Williams Run	Basin	Jefferson	HQ-CWF	None
5—Muddy Run	Basin	Jefferson	HQ-CWF	None
5—Bearpen Run	Basin	Jefferson	HQ-CWF	None
5—Manners Run	Basin	Jefferson	HQ-CWF	None
5—Mammy Hi Run	Basin	Jefferson	HQ-CWF	None
5—Lucas Run	Basin	Jefferson	HQ-CWF	None]
5—South Branch of North Fork Redbank Creek	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, South Branch of North Fork Redbank Creek to Shippen Run</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
[5—Acy Run	Basin	Jefferson	HQ-CWF	None
5—Windfall Run	Basin	Jefferson	HQ-CWF	None
5—Clear Run	Basin	Jefferson	HQ-CWF	None
5—Miller Run	Basin	Jefferson	HQ-CWF	None]
5—Shippen Run	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, Shippen Run to Craft Run</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
5—Craft Run	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, Craft Run to Mouth</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
[5—Pekin Run	Basin	Jefferson	HQ-CWF	None
5—Red Lick Run	Basin	Jefferson	HQ-CWF	None
5—Sugarcamp Run	Basin	Jefferson	HQ-CWF	None]

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§ 93.9w. Drainage List W.

Ohio River Basin in Pennsylvania
Ohio River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
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3—Enlow Fork	Main Stem, Source to PA-WV State Border	Washington- Greene	TSF	None
4—[Unnamed] Tributaries to Enlow Fork	Basins, Source to [PA-WV State Border] <u>Templeton Fork</u> Basin	Washington- Greene	WWF	None
[4—Boothe Run	Basin	Greene	WWF	None
4—Long Run	Basin	Washington	WWF	None]
4—Templeton Fork	Basin	Washington	TSF	None
<u>4—Tributaries to Enlow Fork</u>	<u>Basins,</u> <u>Templeton Fork</u> <u>to PA-WV State</u> <u>Border (all</u> <u>sections in PA)</u> Basin	<u>Washington-</u> <u>Greene</u>	<u>WWF</u>	<u>None</u>
[4—Owens Run	Basin	Greene	WWF	None
4—Robinson Fork	Basin	Washington	WWF	None
4—Spottedtail Run	Basin (all sections in PA)	Washington	WWF	None]
3—Enlow Fork (WV)				

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§ 93.9z. Drainage List Z.
Potomac River Basin in Pennsylvania
Potomac River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
2—Antietam Creek (MD)				
3—Unnamed tributaries to Antietam Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Franklin	WWF, MF	None
3—Marsh Run	Basin (all sections in PA)	Franklin	WWF, MF	None
<u>2—Monocacy River (MD)</u>				
3—Marsh Creek	Basin, Source to	Adams	CWF, MF	None

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4—Willoughby Run	Willoughby Run Basin	Adams	WWF, MF	None
3—Marsh Creek	Basin, Willoughby Run to PA-MD State Border	Adams	CWF, MF	None
3—Marsh Creek MD				
4—Unnamed tributaries to Marsh Creek	Basins (all sections in PA) PA-MD State Border to [Mouth] <u>confluence with Marsh Creek and Monocacy River</u>	Adams	CWF, MF	None
3—Rock Creek	Basin (all sections in PA), <u>source to confluence with Marsh Creek and Monocacy River</u>	Adams	WWF, MF	None
3—Alloway Creek	Basin (all sections in PA)	Adams	WWF, MF	None
3—Cattail Branch	Basin (all sections in PA)	Adams	WWF, MF	None

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