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Department of Environmental Protection

Chapter 16. Water Quality Toxics Management Strategy—
Statement of Policy



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**CHAPTER 16. WATER QUALITY TOXICS MANAGEMENT
STRATEGY—STATEMENT OF POLICY**

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Cross References

This chapter cited in 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.8a (relating to toxic substances).

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Source

The provisions of this Chapter 16 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059, unless otherwise noted.

Cross References

This section cited in 25 Pa. Code § 93.8a (relating to toxic substances).

INTRODUCTION

§ 16.1. General.

Water quality criteria are the numeric limits for parameters or stream conditions that need to be maintained or attained to prevent or eliminate pollution. They are designed to protect the water uses listed in Chapter 93 (relating to water quality standards). The most sensitive of these protected uses are generally water supply and aquatic life related. Therefore, criteria designed to protect these uses will normally protect the other uses listed in Chapter 93. This chapter specifies guidelines and procedures for development of criteria for toxic substances and also lists those limits which have been developed to date.

DISCUSSION

§ 16.11. Toxic substances.

(a) These guidelines cover the Federal Clean Water Act section 307(a) priority pollutants and other toxic substances which the Department determines to be of concern due to their verified presence in wastewater discharges. Priority pollutants are the primary focus of concern because the EPA has determined them to be the most commonly used, persistent and toxic substances in wastewater discharges. They include many heavy metals and solvents.

(b) In November 1980, the EPA published criteria for protection of human health and aquatic life for 104 of the 129 priority pollutants. (There are currently 126 priority pollutants since three have subsequently been deleted.) These criteria were developed in accordance with National guidelines summarized in 45 FR 79318 (1980). In several instances, the EPA has updated the criteria or issued new criteria based upon new data. The Department's procedures for establishing limits for aquatic life and human health protection for priority pollutants, and other toxics of concern, for which the EPA has not issued criteria or for which the EPA criteria are not appropriate, are discussed in this subchapter.

Source

The provisions of this § 16.11 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727. Immediately preceding text appears at serial page (154172).

GUIDELINES FOR DEVELOPMENT OF AQUATIC LIFE CRITERIA

§ 16.21. Long-term and short-term concepts.

To provide for protection of aquatic life, it is necessary to consider both long-term (reproduction, growth, survival) and short term (survival) concepts. Aquatic life can generally survive excursions of elevated concentrations of a pollutant as long as the excursion is of relatively short duration and does not frequently recur. However, to provide complete protection over a lifetime, a lower concentration shall be maintained. Thus, each aquatic life criterion consists of two components. The EPA defines these as a criterion maximum concentration (CMC) for short-term protection and a criterion continuous concentration (CCC) for long-term protection. Each component is further defined in terms of magnitude (a scientifically derived number), duration (the period of time over which the number must be achieved), and the maximum desired frequency (the number of repetitions per unit time) of occurrence. Consistent with this approach, the Department whenever possible develops acute (short-term) and chronic (long-term) criteria and specifies the applicable magnitude and duration. The frequency of occurrence is accounted for through the specification of a design stream flow condition appropriate to the criteria.

Source

The provisions of this § 16.21 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727. Immediately preceding text appears at serial page (154173).

§ 16.22. Criteria development.

The Department will establish criteria for toxic substances to provide for protection of aquatic life in accordance with the following guidelines:

(1) For those toxics for which the EPA has developed criteria in accordance with the National guidelines as set forth in "Guidelines for Deriving Numerical National Water Quality Criteria for the Protection of Aquatic Organisms and Their Uses" (1985), the Department will review and evaluate the criteria. If the Department determines that the criteria are adequate to protect indigenous aquatic communities in the State's waters, these criteria will serve as the basis for establishing effluent limitations. If the Department determines that the EPA National criteria are inappropriate (too lenient or too stringent) the Department will adjust these criteria in accordance with the National guidelines to reflect the levels required for protection of aquatic life in this Commonwealth's waters.

(2) For those toxics for which the EPA has not developed criteria due to an inadequate database to fit the National guidelines, the Department will develop aquatic life criteria using the best scientific information available.

(i) "Best scientific information available" is defined as consisting of all the following components:

(A) Bioassay tests conducted in accordance with standardized methods and procedures.

(B) Bioassay tests conducted with species representative of Commonwealth waters.

(C) Bioassay tests with minimum duration of 48 hours.

(ii) In-stream levels for aquatic life protection will be developed by averaging relevant toxicity data and multiplying by an appropriate application factor. Pollutant specific application factors will be employed if acute and chronic data are available to calculate such a factor. In the absence of the data, the general application factors specified in the NAS "Water Quality Criteria 1972" will be used—0.1 (max) and 0.05 (avg) for nonpersistent pollutants; and 0.05 (max) and 0.01 (avg) for persistent pollutants. A persistent pollutant is defined to be consistent with the previously cited reference as a substance having a half-life of greater than 4 days. Pollutants will be assumed to be persistent unless specific data are available which indicate otherwise.

(3) For those toxics for which there are insufficient data to fit the EPA National Guidelines or Departmental guidelines specified in paragraph (2), the Department will impose criteria to protect Statewide uses in § 93.4 (relating to Statewide water uses), monitor-only requirements or technology-based limits until sufficient data become available to develop in-stream criteria for aquatic life protection.

Source

The provisions of this § 16.22 amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817. Immediately preceding text appears at serial pages (203581) to (203582).

Cross References

This section cited in 25 Pa. Code § 16.61 (relating to special provisions for the Great Lakes System).

§ 16.23. Sources of information.

The Department will use the following sources of information in establishing criteria for aquatic life protection:

- (1) United States EPA 1986 Quality Criteria for Water (Goldbook).
- (2) United States EPA Quality Criteria for Water—1976 (Redbook).
- (3) Water Quality Criteria 1972 (Bluebook).
- (4) United States EPA Ambient Water Quality Criteria Development Documents and updates.
- (5) Aquatic life toxicity data available in the published scientific literature.
- (6) Aquatic life toxicity data available on EPA computerized databases (for example, AQUIRE, Great Lakes Initiative (GLI) Clearinghouse).

Source

The provisions of this § 16.23 amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817. Immediately preceding text appears at serial page (203583).

§ 16.24. Metals criteria.

(a) The criteria are established to control the toxic portion of a substance in the water column. Depending upon available data, aquatic life criteria for metals are expressed as either dissolved or total recoverable. As information develops, the chemical identifiers for the toxic portion may be added, changed or refined. The criteria form one of the bases for water quality-based effluent limitations, which are expressed as total recoverable metal.

(b) Dissolved criteria are indicated in Appendix A, Table 1 with “*”, 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]x0.041838)	1.136672- (ln[H]x0.041838)	2
Chromium VI	0.962	0.982	1,2
Copper	0.960	0.960	1,2
Lead*	1.46203-(ln[H])x0.145712)		2

	<i>Chronic</i>	<i>Acute</i>	<i>Source</i>
Mercury	NA**	0.85	1,2
Nickel	0.997	0.998	1,2
Selenium	0.922	0.922	1
Silver	NA	0.85	2
Zinc	0.986	0.978	1,2

* Conversion factor is for both acute and chronic criteria

**The Great Lakes Guidance includes a conversion factor for the Great Lakes-specific chronic mercury criterion which is based on chronic effects to fish and aquatic life. The factor is not applicable to the PA (and NTR) criterion, which was developed by the EPA as a Nationally applicable criterion, because it is residue based.

Source 1—*Final Water Quality Guidance for the Great Lakes System* (60 FR 15366, March 23, 1995)

2—*Establishment of Numeric Criteria for Priority Pollutants; Revision of Metals Criteria—Interim Final Rule* (60 FR 22229, May 4, 1995)

(c) Chemical translators are used to convert dissolved criteria into effluent limitations which are required by Federal regulations to be expressed as total recoverable metal. The default chemical translator used by the Department is the reciprocal of the conversion factor (listed in the Conversion Factors Table) that was used to determine the dissolved criterion.

(d) Persons may request alternate effluent limitations by using site-specific water quality characteristics. This is accomplished by performing a site-specific chemical translator study for a dissolved criterion. A water effect ratio (WER) study may also be conducted, based on either total recoverable or dissolved criteria.

(e) A WER is a factor that expresses the difference between the measures of the toxicity of a substance in laboratory water and the toxicity in site water. The WER provides a mechanism to account for that portion of a metal which is toxic under certain physical, chemical or biological conditions. At this time, WERs are applicable only to certain metals, which are listed by the EPA in “Guidance on the Determination and Use of Water-Effect Ratios for Metals” (February 1994), as amended and updated. Subject to Departmental approval of the testing and its results, the Department will use the WER to establish an alternate site-specific criterion.

(f) Chemical translator studies shall be conducted in accordance with the EPA’s draft “The Metals Translator: A Technical Guidance Manual” (September 8, 1995) as amended and updated.

(g) Final reports on the studies shall be submitted to the Department within 60 days of completion. Upon approval of the study results, the Department will use the chemical translator or WER, or both, to determine revised effluent limitations.

Source

The provisions of this § 16.24 adopted November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067.

**GUIDELINES FOR DEVELOPMENT OF HUMAN
HEALTH-BASED CRITERIA**

§ 16.31. Application.

In the development of water quality criteria for human health protection, the principles of risk assessment and risk management are applied in two distinct ways depending upon the toxic effect to be protected against. Traditional toxicology is developed upon a theory that the “dose determines the poison” (any substance is toxic if the dose becomes large enough). It is generally recognized, however, that for most substances there is a safe level below which no adverse effects will be seen. This “threshold level” approach is in contrast to the “no threshold level” approach generally ascribed to carcinogens.

§ 16.32. Threshold level toxic effects.

(a) A threshold effect is defined as an adverse impact that occurs in the exposed individual only after a physiological reserve is depleted. For these effects there exists a dose below which no adverse response will occur. Threshold toxic effects include most systemic effects and developmental toxicity, including teratogenicity. Developmental toxicity includes all adverse effects in developing offspring resulting from prenatal exposure to a causative agent.

(b) Control of threshold toxics is based upon animal testing or epidemiological studies that report no- or lowest-observed adverse effect levels of the substance (NOAEL or LOAEL). In evaluating a particular toxic, toxicologists weigh the merits of all the tests, and choose, in their best professional judgment, the safe level. By applying standard margins of safety to the NOAEL, extrapolations from the laboratory animals to humans (factor of 10), for sensitive subpopulations (10), and from short-term to chronic studies (10) can be taken into account. An additional factor of 10 is used if only a LOAEL is available. Modifying factors (1—10), which account for deficiencies in the toxicity studies, are also considered in determining an acceptable exposure level. The current term for this acceptable level is reference dose (RfD); it was previously called the acceptable daily intake (ADI). The RfD is adjusted for protection of an average (70 Kg) person. It is then divided by expected exposure condition to result in an applicable criterion. Except as provided in § 16.61(b)(2) (relating to special provisions for the Great

Lakes System), exposure conditions via water include 2 liters per day of drinking water and consumption of 6.5 grams of fish per day. Bioaccumulation of toxics in edible portions of fish is accounted for by use of bioaccumulation factors (BAF). BAF is the ratio in liters per kilogram of a substance's concentration in tissues of an aquatic organism to its concentration in the ambient water, in situations where both the organism and its food are exposed and the ratio does not change substantially over time.

(c) The Department will establish criteria for threshold toxics in accordance with the following guidelines:

(1) If the EPA or other experts have developed criteria, the Department will evaluate and accept the criteria when it is determined that they are adequate to protect the designated water uses.

(2) If the EPA criteria have been evaluated, and have been determined to be inadequate to protect designated uses, or when no criteria have been developed, the Department will collect applicable risk assessment data and develop criteria following standard toxicological procedures.

(3) If no data are available to characterize the hazard of a chemical, no criterion will be developed. The more stringent of technology limits or a criterion to protect the next most sensitive use will be substituted. A threshold criterion will be developed at a future date if information becomes available.

(4) A taste and odor value may be used to establish a criterion when this value is more critical than the threshold criterion, or in the absence of sufficient toxicity data.

(d) The sources the Department uses to obtain relevant risk assessment values for protection for threshold level toxic effects to human health are as follows:

(1) Verified reference doses, listed in the EPA agency-wide supported data system known as IRIS (Integrated Risk Information System), which provides the most current risk assessment values for more than 300 chemicals. These values are a primary source for criteria development.

(2) Finalized drinking water health values; that is, Maximum Contaminant Level Goals (MCLGs), are the result of peer-reviewed evaluations of the toxicity of chemicals and are good sources of risk data for ambient water quality criteria development.

(3) CWA 304(a) health criteria were set in 1980 by the EPA based upon the most current scientific data and are a good source of this information. The EPA updates and additions to the 1980 criteria and development documents and the Great Lakes Initiative Clearinghouse are also good current sources of data.

(4) Teratology data from a peer-reviewed source provide information on criteria for teratogens.

(5) Other sources of toxicity information, such as drinking water health advisories and ambient water quality advisories, are investigated and may be used to set criteria.

Source

The provisions of this § 16.32 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817. Immediately preceding text appears at serial pages (203585) to (203586).

Cross References

This section cited in 25 Pa. Code § 16.33 (relating to nonthreshold effects (cancer)); and 25 Pa. Code § 16.61 (relating to special provisions for the Great Lakes System).

§ 16.33. Nonthreshold effects (cancer).

(a) A nonthreshold effect is defined as an adverse impact, including carcinogenesis, for which no exposure greater than zero assures protection to the exposed individual. Thus, in contrast to the threshold concept discussed in § 16.32 (relating to threshold level toxic effects), the nonthreshold approach to toxics control is based upon the premise that there is no safe concentration of the toxic.

(b) The nonthreshold approach is applicable to complete carcinogens, to cancer initiators and mutagenic substances. Because there is currently no complete guidance or concurrence by the scientific community on the concept of regulating certain carcinogenic substances which do not satisfy the above conditions, all carcinogens are currently addressed as nonthreshold. If, in the future, a threshold approach is supported by the experts as appropriate for nongenotoxic carcinogens, substances so defined can then be addressed in that manner. A carcinogen is defined as a substance that causes an increased incidence in benign or malignant neoplasms, or a substantial decrease in the latency period between exposure and the onset of neoplasms in man or other species as evidenced by toxicological or epidemiological studies or both. Although the mechanisms of cancer are not yet known, the most accepted theory within the scientific community is that two distinct steps (with multiple stages) are involved: initiation and promotion. Cancer is initiated by an agent that reacts with the DNA (or genetic material) within a cell. This action causes a change (or mutation) in the DNA which may then be promoted by the same or another agent into the proliferation of the disease. The nonthreshold theory holds that even one molecular level change in the DNA has a nominal probability of expression into cancer. Promotion, on the other hand, may or may not involve the threshold effects which are subject to the body's repair mechanisms and may only be expressed when the natural defenses are overcome. The promotional activities are those that act on the transformed cells, not on the DNA itself, hence they are nongenotoxic (that is, do not effect the genetic material).

(c) Only about 25 to 30 substances and processes have been positively identified as causes of cancer in humans. Hundreds more substances have been linked to cancer in laboratory animals or suggested to "possibly" cause cancer. On many occasions, Federal and international experts have attempted to define what

substances are likely to cause cancer in humans. The most respected international group seeking to define carcinogens is the World Health Organization's International Agency for Research on Cancer (WHO-IARC), which publishes comprehensive monographs on carcinogens. On March 14, 1985, (50 FR 10372 (1985)), the President's Office of Science and Technology Policy (OSTP) released a final framework document of cancer principles and guidelines. The EPA has issued risk assessment guidelines for cancer and carcinogens (and other effects) which follow basically the same evaluative processes in defining and expressing the potency of carcinogens. The EPA guidelines became effective September 24, 1986, and are contained in 51 FR 33992 (1986). The EPA is currently updating these guidances.

(d) Both IARC and the EPA rank chemicals as to the weight of evidence that indicates their likelihood for causing cancer. The National Toxicology Program, United States Public Health Service, DHHS also annually lists chemicals known or reasonably anticipated to cause cancer. The Department accepts the expertise of all these groups and regulates water pollutants named in any pertinent subgroup of their lists as carcinogens. (The reason the lists are not identical to one another is because each group evaluates the weight of evidence for their priority chemicals, and there are differences in their priorities.)

(e) Cancer is probably considered by most people to have the most dreaded impact on human health. Its notoriety draws attention that, if considered objectively, is outweighed by other impacts of much higher risk. Nevertheless, public perception is an important aspect of governmental action and much of the focus of health-based control deals with cancer. Therefore, in essence, the public demands stringent control of carcinogens.

(f) The Department has determined that the regulation of carcinogens from a water quality perspective in accordance with the procedure specified in the following subsections will adequately and reasonably protect human health.

(g) The Department accepts the evaluation and extrapolation modeling used by the EPA to quantitate the carcinogenic risk of particular chemicals. Cancer risk level criteria are, therefore, adaptations of the EPA's cancer potency (slope) factors. Criteria based on cancer risk levels are average lifetime exposure values.

(h) The model most often used by the EPA to estimate the upper bound incremental cancer risk from exposure to a chemical is a linearized multi-stage dose response extrapolation model fitted to the tumor incidence data and using standard assumptions in the absence of pertinent data (45 FR 79350). Since at the present time there is no way to demonstrate the scientific validity of a model, the use of risk extrapolation models is a subject of debate in the scientific community. Risk extrapolation is generally recognized as the only tool available at this time for estimating the magnitude of human hazards associated with nonthreshold toxicants. Other risk assessment models which use different assumptions may

produce estimates ranging over several orders of magnitude. The EPA, however, believes the linearized multi-stage model provides the most plausible upper limit to risk in most cases.

(i) The Department's water quality toxics management program controls carcinogens to an overall risk management level of one excess case of cancer in a population of 1 million (1×10^{-6}). Expressing this another way, the probability of an individual getting cancer from an ambient water exposure to a carcinogen is increased by a factor of one in 1 million. This level appears to be protective of human health to a significant degree when compared to other risks encountered in life.

(j) The Department uses a 1×10^{-6} cancer risk level as specified in § 93.8a(d). Attainment of this risk level is predicated on exposure that includes drinking 2 liters of water and ingesting 6.5 grams of fish per day over a 70-year lifetime, except as provided in § 16.61(b)(2) (relating to special provisions for the Great Lakes Systems). Bioaccumulation of carcinogenic toxics in edible portions of fish are accounted for by use of bioaccumulation factors (BAFs).

(k) The Department limits exposure to environmental carcinogens to a CRL of 1×10^{-6} which offers prudent control in reducing that current environmental risk. The virtual safety of a 1×10^{-6} CRL is supported by the following two points. First, the cancer modeling which predicts the in-stream values of 1×10^{-6} protection offers a likely upper bound to the risk, because it contains several conservative (that is, protective) assumptions. Secondly, the risk is a probability, not a reality. There is not necessarily one more real cancer in a population of 1 million people.

(l) Because individuals are less concerned about the impact of voluntary risks (that is, risks to which one knowingly subjects oneself), people daily expose themselves to far greater risks. On the other hand, people are often much more concerned about involuntary risks, such as exposure to toxic chemicals in a drinking water, because they have no control over the situation. The Department believes a risk management level of 1×10^{-6} will satisfy these concerns.

(m) The Department will use the following guidelines in establishing criteria for nonthreshold toxics:

(1) The determination as to whether a substance is a carcinogen will be its listing by the EPA, IARC or NTP as such.

(2) For toxics for which (cancer potency) slope factor values have been developed as evidenced by listing on IRIS or by an expert group (such as the EPA), the Department will either use the EPA developed criteria or will develop criteria based upon these potency values.

(3) For carcinogens for which cancer potency (slope factor) values have not been developed, the Department will set effluent limits as not detectable by the most sensitive analytical procedure.

Source

The provisions of this § 16.33 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817. Immediately preceding text appears at serial pages (203587) to (203589).

Cross References

This section cited in 25 Pa. Code § 16.61 (relating to special provisions for the Great Lakes System).

CRITERIA MODIFICATION**§ 16.41. Changes and additions.**

The criteria set forth in Appendix A, Table 1 for toxic substances are based on the best scientific information currently available. These may, however, be modified if the Department determines upon evaluation of new scientific findings and information that these data warrant modification. Submittal of data and information by NPDES applicants will be considered by the Department in this regard. Changes and additions to the table will be published annually in the *Pennsylvania Bulletin*.

§ 16.42. Not detectable effluent limits.

For not detectable effluent limits, the most sensitive approved analytical method in Appendix A, Table 2 will be specified in the permit. If there is no approved method, the permittee will be required to identify an analytical method and report it to the Department for approval. Detection levels achieved and all analyses will also be reported to the Department.

Source

The provisions of this § 16.42 adopted April 9, 1993, effective April 10, 1993, 23 Pa.B. 1728; amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067. Immediately preceding text appears at serial page (178843).

**WATER QUALITY CRITERIA
FOR TOXIC SUBSTANCES****§ 16.51. Table.**

Appendix A, Table 1 lists the human health and aquatic life criteria for toxic substances which the Department will use in development of effluent limits in NPDES Permits. The human health criteria are further defined as to the specific effect (that is, carcinogenicity, taste and odor, general health). For those aquatic life criteria which are hardness related and specified as a formula, such as several of the heavy metals, the Department will use the specific hardness of the receiving stream in calculating criteria on a case-by-case basis. The priority pollutant numbers (PP NO) used by EPA to identify priority pollutants are included in

Table 1 for reference purposes. Some of these criteria may be superseded for Drainage Lists E and G (Delaware Estuary), W (Ohio River Basin), X (Lake Erie Basin) and Y (Genesee River Basin) under interstate and international compact agreements with the Delaware River Basin Commission, Ohio River Valley Sanitation Commission and International Joint Commission respectively. See Sections 93.9a—93.9z (relating to drainage lists) for specific parameters and criteria. The criteria in Table 1 are not applicable to the Great Lakes System. Water quality criteria for the Great Lakes System are contained in § 16.61. Criteria may be developed for the Great Lakes System for substances other than those listed in § 16.61 (relating to special provisions for the Great Lakes System) under the methodologies in § 16.61(b).

Source

The provisions of this § 16.51 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended December 21, 1990, effective December 22, 1990, 20 Pa.B. 6299; amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817. Immediately preceding text appears at serial pages (203590) to (203591).

Cross References

This section cited in 25 Pa. Code § 93.8 (relating to development of site-specific water quality criteria for the protection of aquatic life).

§ 16.52. Whole Effluent Toxicity Testing (WETT).

The Department may impose WETT requirements on wastewater discharges where it is determined that the testing is necessary to assure the protection of aquatic life. Where WETT is required, the Department will use the criteria of 0.3 TU_A (Toxic Units Acute) and 1 TU_C (Toxic Units Chronic) as a basis for evaluating test results. WETT shall be conducted in accordance with 40 CFR Part 136 (relating to the establishment of test procedures for the analysis of pollutants), Quality Assurance Quality Control (QA/QC) guidance issued by the Department, or other protocols approved by the Department.

Source

The provisions of this § 16.52 adopted December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817.

GREAT LAKES SYSTEM

§ 16.61. Special provisions for the Great Lakes System.

(a) *Definitions.* The following words and terms, when used in this section, have the following meanings, unless the context clearly indicates otherwise:

BAF—Bioaccumulation Factor—The ratio in liters per kilogram of a substance's concentration in tissues of an aquatic organism to its concentration in the ambient water, when both the organism and its food are exposed and the ratio does not change substantially over time.

BCC—Bioaccumulative Chemical of Concern—A chemical that has the potential to cause adverse effects which, upon entering the surface waters, by

itself or its toxic transformation product, accumulates in aquatic organisms by a human health BAF greater than 1000, after considering metabolism and other physiochemical properties that might enhance or inhibit bioaccumulation, under the methodology in 40 CFR Part 132 Appendix B (relating to Great Lakes Water Quality Initiative). Current BCCs are listed in 40 CFR 132.6, Table 6 Subpart A (relating to pollutants of initial focus in the Great Lakes Water Quality Initiative).

Great Lakes System—The streams, rivers, lakes and other bodies of surface water within the drainage basin of the Great Lakes in this Commonwealth.

(b) *Water quality criteria for the Great Lakes System.*

(1) *Aquatic life criteria.* Aquatic life criteria for toxic substances in the Great Lakes System will be developed under the methodologies in § 16.22 (relating to criteria development) to the extent they are consistent with 40 CFR Part 132, Appendix A (relating to Great Lakes Water Quality Initiative methodologies for developments of aquatic life values). If there are insufficient data to develop aquatic life criteria for a toxic substance identified in a discharge into these waters, the Department will develop or require a discharger to develop, subject to Department approval, protective aquatic life values using the methodologies in 40 CFR Part 132, Appendix A and guidance issued by the Department. For non-BCCs, WETT may be used in lieu of Tier II values to determine aquatic toxicity.

(2) *Human health criteria.* Human health criteria for the Great Lakes System will be developed using the methods in §§ 16.32 and 16.33 (relating to threshold level toxic effects; and nonthreshold effects (cancer)), except that fish consumption is 15 grams per day. If there are insufficient data to develop human health threshold criteria for a toxic substance identified in a discharge into these waters, the Department will develop, or require the discharger to develop, subject to Department approval, protective human health values using the methodologies in 40 CFR Part 132, Appendix C, Part III, as it relates to Tier II values, and guidance issued by the Department.

(3) *BAFs.* Human health criteria for BCCs will be developed under the methodologies in 40 CFR Part 132, Appendix B relating to bioaccumulation factors, and will be listed by EPA in the GLI Clearinghouse. Because substances other than BCCs (Non-BCCs) bioaccumulate to a much lesser degree, BAFs for Non-BCCs are similar to bioconcentration factors (BCFs). Field measured BAFs, or BAFs equal to BCFs will be used for the development of non-BCC criteria in the Great Lakes.

(4) *Criteria for Great Lakes System.* Human health and aquatic life criteria for the Great Lakes System are contained in the following table. For any pollutant not listed in the table, criteria to protect existing and designated uses will be developed by the Department as needed in accordance with this section.

GREAT LAKES AQUATIC LIFE AND HUMAN HEALTH CRITERIA

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA (ug/L)
			CRITERIA CONTINUOUS CONCENTRATION (ug/L)	CRITERIA MAXIMUM CONCENTRATION (ug/L)	
2M	ARSENIC	07440382	*148 (As3+)	*340 (As3+)	N/A
4M	CADMIUM	07440439	*{1.101672-(1n[H]x0.041838)}x Exp(0.7852x1n[H]-2.715) (ex: @H=100, CCC=2.24)	*{1.136672-(1n{H}x0.041838)}x Exp(1.128x1n[H]-3.6867) (ex: @H=100, CMC=4.26)	N/A
5M	CHROMIUM, VI	18540299	*10.56	*15.73	N/A
6M	COPPER	07440508	*0.960xExp(0.8545x1n[H]-1.702) (ex: @H=100, CCC=8.96)	*0.960xExp(0.9422x1n[H]-1.7) (ex: @H=100, CMC=13.44)	N/A
8M	MERCURY	07439976	*0.77	*1.44	0.004 H
9M	NICKEL	07440020	*0.997xExp(0.846x1n[H]+0.0584) (ex: @H=100, CCC=52.01)	*0.998xExp(0.846x1n[H]+2.255) (ex: @H=100, CMC=468.24)	N/A
10M	SELENIUM	07782492	*4.61	*18	N/A
13M	ZINC	07440666	*0.986xExp(0.8473x1n[H]+0.884) (ex: @H=100, CCC=118.14)	*0.978xExp(0.8473x1n[H]+0.884) (ex: @H=100, CMC=117.18)	N/A
14M	CYANIDE, FREE	00057125	5.2	22	700 H
3A	2,4-DIMETHYLPHENOL	00105679	N/A	N/A	400 T&O
5A	2,4-DINITROPHENOL	00051285	N/A	N/A	70 H
9A	PENTACHLOROPHENOL	00087865	Exp(1.005[pH]-5.134) @pH= 6.5 7.8 9.0 Crit = 4.05 14.95 49.95	Exp(1.005[pH]-4.869) @pH= 6.5 7.8 9.0 Crit = 5.28 19.49 65.10	N/A
3V	BENZENE	00071432	N/A	N/A	1 CRL
7V	CHLORO BENZENE	00108907	N/A	N/A	20 T&O
22V	METHYLENE CHLORIDE	00075092	N/A	N/A	5 CRL

16-14.1

Ch. 16

TOXIC SUBSTANCES CRITERIA

25 § 16.61

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA (ug/L)	
			CRITERIA CONTINUOUS CONCENTRATION (ug/L)	CRITERIA MAXIMUM CONCENTRATION (ug/L)		
25V	TOLUENE	00108883	N/A	N/A	6000	H
29V	TRICHLOROETHYLENE	00079016	N/A	N/A	3	CRL
33B	HEXACHLOROBENZENE	00118741	N/A	N/A	0.00005	CRL
36B	HEXACHLOROETHANE	00067721	N/A	N/A	0.5	CRL
4P	gamma-BHC (LINDANE)	00058899	N/A	0.95	0.5	H
6P	CHLORDANE	00057749	N/A	N/A	0.00002	CRL
7P	4,4'-DDT	00050293	N/A	N/A	0.00001	CRL
10P	DIELDRIN	00060571	0.056	0.24	0.0000006	CRL
14P	ENDRIN	00072208	0.036	0.086	N/A	
18P	PCBs	53469219	N/A	N/A	0.000003	CRL
25P	TOXAPHENE	08001352	N/A	N/A	0.000007	CRL
PP	2,3,7,8-TCDD	01746016	N/A	N/A	9E-10	CRL
—	PARATHION	00056382	0.013	0.065	N/A	

Acronyms and Footnotes to Table

*Indicates dissolved metal criterion; others are total recoverable metals. Each listed dissolved criterion in the Table is equal to the corresponding total recoverable criterion before rounding (from the EPA National Ambient Water Quality Criteria Documents) multiplied by the conversion factor (from the Conversions Factors Table); a criterion that is expressed as a hardness (H)-based equation is shown in the Table as the conversion factor (listed) multiplied by the hardness criterion equation; an example criterion at hardness=100 mg/L is included.

H—Threshold effect human health criterion; incorporates additional uncertainty factor for some Group C carcinogens.

CRL—Cancer risk level at 1×10^{-6}

T&O—Taste and odor criterion.

N/A—Insufficient data to develop criterion.

(5) *Wildlife criteria.* Wildlife criteria will be developed for the BCCs in the Great Lakes System using methodologies contained in the Great Lakes guidance in 40 CFR Part 132, Appendix D (relating to Great Lakes Water Quality Initiative methodology for the development of wildlife criteria). The wildlife criteria are contained in the following table:

GREAT LAKES WILDLIFE CRITERIA TABLE

<i>PP NO.</i>	<i>CHEMICAL NAME</i>	<i>CRITERION (ug/L)</i>
7-9P	DDT & METABOLITES	0.000011
8M	MERCURY	0.0013
18-24P	PCBs (TOTAL)	0.00012
PP	2,3,7,8-TCDD	3.1 E-9

(6) *Additional requirements.* Additivity of toxic effects for chlorinated dibenzo-p-dioxins and chlorinated dibenzofurans will be accounted for under 40 CFR Part 132, Appendix F, Procedure 4 (relating to Great Lakes Water Quality Initiative implementation procedures).

(c) The Department will follow guidance that is as protective as the final water quality guidance for the Great Lakes System in 40 FR 15366 (March 23, 1995), as updated and amended.

Source

The provisions of this § 16.61 adopted December 26, 1997, effective December 27, 1997, 27 Pa.B. 6817.

Cross References

This section cited in 25 Pa. Code § 16.32 (relating to threshold level toxic effects); 25 Pa. Code § 16.33 (relating to nonthreshold effects (cancer)); and 25 Pa. Code § 16.51 (relating to table).

**Subchapter B. ANALYTICAL METHODS AND
DETECTION LIMITS FOR TOXIC SUBSTANCES**

GENERAL PROVISIONS

Sec.

16.101. Introduction.

16.102. Approved EPA Analytical Methods and Detection Limits.

GENERAL PROVISIONS

§ 16.101. Introduction.

(a) This subchapter contains information on the final EPA Guidelines establishing test procedures for the analysis of priority pollutants under the Federal

Water Pollution Control Act, known as the Clean Water Act (33 U.S.C.A. §§ 1251—1376). The procedures of analysis for the organic compounds are contained in 40 CFR 136 (relating to guidelines establishing test procedures). Procedures for inorganic substances are cited in this source, but details are found elsewhere. Analytical procedures for free cyanide are approved by the Department and are contained in Appendix A, Table 2.

(b) This information provides the expected levels of analytical detectability for toxic priority pollutants. It is intended as a basis for review of NPDES application forms, and for establishing appropriate detection limits and methods of analysis to accompany final effluent limitations in permits.

(c) The Department recommends that clean techniques be employed as appropriate in collecting, handling, storing, preparing and analyzing samples. Clean techniques refer to methods that reduce contamination and enable the accurate and precise measurement of substances, and to related issues concerning detection limits, quality control, and quality assurance. Clean techniques are those requirements or practices for sample collection and handling necessary to produce reliable analytical data in the microgram per liter ($\mu\text{g/l}$) or part per billion range. The use of clean techniques reduces the incidence of overstatement of environmental concentrations of trace substances.

Source

The provisions of this § 16.101 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727; amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067. Immediately preceding text appears at serial page (178844).

§ 16.102. Approved EPA Analytical Methods and Detection Limits.

(a) Appendix A, Table 2 contains the following data elements and is to be used as follows:

(1) Parameter + (CAS) is the chemical name preceded by an alphanumeric code for the priority pollutants. Other inorganics (metals) listed on the application form have also been included. The Chemical Abstracts Service (CAS) number, a unique chemical identifier, is also listed for completeness of identification. The CAS number should always be verified to ensure proper identification, particularly with chemicals with ambiguous or unfamiliar names, or both.

(2) Method number + (description) includes the approved EPA procedures by identifying number and an abbreviated description of each. The methods are detailed in one or more of the following sources:

(i) *Methods for Chemical Analysis of Water and Wastes*, EPA 600/4-79-020, Revised March 1984.

(ii) 40 CFR Part 136 (relating to guidelines establishing test procedures). The EPA provides a list of still other sources for these methods in 40 CFR Part 136. Methods that were not developed by the EPA, that is, have no

EPA identifying method number, but are approved by the EPA for use in NPDES related analyses are marked with an asterisk (*) in Appendix A, Table 2.

(iii) *Standard Methods for the Examination of Water and Wastewater*, 18th Edition, APHA-AWWA-JWPCF, 1992.

(iv) *Hach Handbook of Wastewater Analysis*, Hach Chemical Company, 1979.

(v) *Direct Current Plasma (DCP) Optical Emission Spectrometric Method for Trace Elemental Analysis of Water and Wastes, Method AES0029*. Applied Research Laboratories, Inc., 1986—Revised 1991, Fison Instruments, Inc.

(vi) *ASTM Annual Book of Standards, Section 11, Water*. American Society for Testing and Materials, 1991.

(3) MDL is the method detection limit for each chemical for each method. The MDL is defined as the minimum concentration that can be measured and reported with 99% confidence that the value is above zero—that is, something is really there. The MDL concentrations listed were obtained using reagent water. Similar results were achieved using representative wastewaters. The MDL achieved in a given analysis will vary depending on instrument sensitivity and matrix effects.

(i) When MDLs are not available, detection limits based on other criteria, such as instrument signal to noise ratios, are included in Appendix A, Table 2. Detection limits for metals are generally instrument detection limits.

(ii) The permittee is expected generally to achieve the detection limit of the most sensitive method for any pollutant with an effluent limitation of Not Detectable in the permit.

(iii) If two approved analytical methods for the same parameter have detection limits that differ by less than 1 ug/l or a factor of 2 (whichever is greater), the permit may be written designating either method as acceptable. The permittee also has the option of using an alternate method approved by the Department and the EPA that the permittee selects as long as he achieves the level of detection of the cited method or the numerical water quality-based limit.

(iv) The primary source for detection limits in Appendix A, Table 2 is EPA MDL studies. However, when the EPA has not performed an MDL study or reported the detection limit, other sources—particularly, Standard Methods—are consulted. When there is no literature on detection limit, the Department's Bureau of Laboratories may be asked to determine the detection limit based on an MDL study.

(4) Permittees will be required to meet the detection limits listed in Appendix A, Table 2. If the detection limit is not listed, a permittee shall develop a detection limit using an MDL study.

(5) In the case where permittees cannot meet a listed detection limit, they may be granted case-specific MDLs if they submit complete documentation demonstrating a matrix effect in their particular effluent. The permittees shall follow the procedure for determining MDLs published as Appendix B of 40 CFR Part 136 (relating to guidelines establishing test procedures). The Bureau of Laboratories will evaluate the data and advise the regional office of their decision.

(b) Appendix A, Table 3 gives a more detailed description of the EPA 600-series of analytical procedures for organic pollutants. Further detail is contained in 40 CFR Part 136.

Source

The provisions of this § 16.102 adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727; amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067. Immediately preceding text appears at serial pages (178845) to (178846).

Notes of Decisions

Below Detection Limits

The company failed to show that the Department of Environmental Protection's residential well data was suspect because the Department attempted to quantify results below the method detection limits contained in this regulation. *Westinghouse Electric Corp. v. Department of Environmental Protection*, 1996 EHB 1144.

Cross References

This section cited in 25 Pa. Code § 250.10 (relating to measurement of regulated substances in media).

APPENDIX A
TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
1M	ANTIMONY	07440360	219	1095	10	H
2M	ARSENIC	07440382	*190(As3+)	*360(As3+)	50	H
3M	BERYLLIUM	07440417	0.01 \times 96hr LC50	0.05 \times 96hr LC50	N/A	—
4M	CADMIUM	07440439	*{1.101672-(ln[H] \times 0.041838)} \times Exp(0.7852 \times ln[H]-3.490) (ex: @ H=100, CCC=1.0)	*{1.136672-(ln[H] \times 0.041838)} \times Exp(1.128 \times ln[H]-3.828) (ex: @ H=100, CMC=3.7)	10	H
5M	CHROMIUM VI	07440473	*10	*15	N/A	—
6M	COPPER	07440508	*0.960 \times Exp(0.8545 \times ln[H]-1.465) (ex: @ H=100, CCC=11)	*0.960 \times Exp(0.9422 \times ln[H]-1.464) (ex: @ H=100, CMC=17)	1000	T&O
7M	LEAD	07439921	*{1.46203-(ln[H] \times 0.145712)} \times Exp(1.273 \times ln[H]-4.705) (ex: @ H=100, CCC=2.5)	*{1.46203-(ln[H] \times 0.145712)} \times Exp(1.273 \times ln[H]-1.460) (ex: @ H=100, CMC=65)	50	H
8M	MERCURY	07439976	0.012	*2.1	0.144	H
9M	NICKEL	07440020	*0.997 \times Exp(0.846 \times ln[H] + 1.1645) (ex: @ H=100, CCC=160)	*0.998 \times Exp(0.846 \times ln[H]+3.3612) (ex: @ H=100, CMC=1400)	600	H
10M	SELENIUM	07782492	*4.6	*18	N/A	—
11M	SILVER	07440224	N/A	*0.850 \times Exp(1.72 \times ln[H]-6.520) (ex: @ H=100, CMC=3.5)	200	AES
12M	THALLIUM	07440280	13	65	2	H
13M	ZINC	07440666	*0.986 \times Exp(0.8473 \times ln[H]+0.7614) (ex: @ H=100, CCC=100)	*0.978 \times Exp(0.8473 \times ln[H]+0.8604) (ex: @ H=100, CMC=110)	5000	T&O

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TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
14M	CYANIDE, FREE	00057125	5	22	700	H
1A	2-CHLOROPHENOL	00095578	112	560	0.1	T&O
2A	2,4- DICHLOROPHENOL	00120832	337	1685	0.3	T&O
3A	2,4- DIMETHYLPHENOL	00105679	132	660	400	T&O
4A	4,6-DINITRO-o- CRESOL	00534521	16	80	13.4	H
5A	2,4-DINITROPHENOL	00051285	131	655	70	H
6A	2-NITROPHENOL	00088755	1600	8000	N/A	—
7A	4-NITROPHENOL	00100027	467	2335	N/A	—
8A	p-CHLORO-m-CRESOL	00059507	31	155	3000	T&O
9A	PENTA- CHLOROPHENOL	00087865	Exp(1.005[pH]-5.290) @pH= 6.5 7.8 9.0 Crit= 3.5 13 43	Exp(1.005[pH]-4.830) @pH= 6.5 7.8 9.0 Crit= 5.5 20 68	0.3	CRL
10A	PHENOL	00108952	20	100	300	T&O
11A	2,4,6- TRICHLOROPHENOL	00088062	91	455	2	CRL
1V	ACROLEIN	00107028	1	5	320	H
2V	ACRYLONITRILE	00107131	129	645	0.06	CRL
3V	BENZENE	00071432	128	640	1	CRL
5V	BROMOFORM	00075252	365	1825	4	CRL
6V	CARBON TETRACHLORIDE	00056235	556	2780	0.3	CRL

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TABLE I
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
7V	CHLOROBENZENE	00108907	236	1180	20	T&O
8V	CHLORODIBROMO- METHANE	00124481	N/A	N/A	0.4	CRL
9V	CHLOROETHANE	00075003	N/A	N/A	N/A	—
10V	2-CHLOROETHYL VINYL ETHER	00110758	3500	17,500	N/A	—
11V	CHLOROFORM	00067663	389	1945	6	CRL
12V	DICHLOROBROMO- METHANE	00075274	N/A	N/A	0.3	CRL
14V	1,1- DICHLOROETHANE	00075343	N/A	N/A	N/A	—
15V	1,2- DICHLOROETHANE	00107062	3088	15,440	0.4	CRL
16V	1,1- DICHLOROETHYLENE	00075354	1492	7460	0.06	CRL
17V	1,2- DICHLOROPROPANE	00078875	2165	10,825	N/A	—
18V	1,3- DICHLOROPROPYLENE	00542756	61	305	N.D.	CRL
19V	ETHYLBENZENE	00100414	580	2900	3000	H
20V	METHYL BROMIDE	00074839	110	550	50	H
21V	METHYL CHLORIDE	00074873	5500	27,500	N/A	—
22V	METHYLENE CHLORIDE	00075092	2368	11,840	5	CRL

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TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
23V	1,1,2,2- TETRACHLOROETHANE	00079345	208	1040	0.2	CRL
24V	TETRACHLORO- ETHYLENE	00127184	139	695	0.7	CRL
25V	TOLUENE	00108883	330	1650	7000	H
26V	1,2-trans- DICHLOROETHYLENE	00156605	1350	6750	700	H
27V	1,1,1- TRICHLOROETHANE	00071556	605	3025	1000	H
28V	1,1,2- TRICHLOROETHANE	00079005	678	3390	0.6	CRL
29V	TRICHLOROETHYLENE	00079016	450	2250	3	CRL
31V	VINYL CHLORIDE	00075014	N/A	N/A	0.02	CRL
1B	ACENAPHTHENE	00083329	17	85	20	T&O
2B	ACENAPHTHYLENE	00208968	N/A	N/A	N/A	—
3B	ANTHRACENE	00120127	N/A	N/A	10,000	H
4B	BENZIDINE	00092875	59	295	0.0001	CRL
5B	BENZO(a)ANTHRA- CENE	00056553	0.1	0.5	0.003	CRL
6B	BENZO(a)PYRENE	00050328	N/A	N/A	0.003	CRL
7B	3,4- BENZOFUORANTHENE	00205992	N/A	N/A	0.003	CRL
8B	BENZO(ghi)PERYL- ENE	00191242	N/A	N/A	N/A	—

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TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
9B	BENZO(k)FLUOR- ANTHENE	00207089	N/A	N/A	0.003	CRL
10B	BIS(2- CHLOROETHOXY) METHANE	00111911	N/A	N/A	N/A	—
11B	BIS(2- CHLOROETHYL) ETHER	00111444	6000	30,000	0.03	CRL
12B	BIS(2-CHLORO- ISOPROPYL)ETHER	39638329	N/A	N/A	1000	H
13B	BIS(2- ETHYLHEXYL) PHTHALATE	00117817	909	4545	2	CRL
14B	4-BROMOPHENYL PHENYL ETHER	00101553	54	270	N/A	—
15B	BUTYLBENZYL PHTHALATE	00085687	35	140	300	H
16B	2-CHLORONAPH- THALENE	00091587	N/A	N/A	N/A	—
17B	4-CHLOROPHENYL PHENYL ETHER	07005723	N/A	N/A	N/A	—
18B	CHRYSENE	00218019	N/A	N/A	0.003	CRL
19B	DIBENZO(a,h) ANTHRACENE	00053703	N/A	N/A	0.003	CRL

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TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
20B	1,2- DICHLOROBENZENE	00095501	164	820	400 for Dichloro- benzene	H
21B	1,3- DICHLOROBENZENE	00541731	69	345	See 20B	H
22B	1,4- DICHLOROBENZENE	00106467	146	730	See 20B	H
23B	3,3'-DICHLORO- BENZIDINE	00091941	N/A	N/A	0.04	CRL
24B	DIETHYL PHTHALATE	00084662	800	4000	20,000	H
25B	DIMETHYL PHTHALATE	00131113	495	2475	313,000	H
26B	DI-N-BUTYL PHTHALATE	00084742	21	105	3000	H
27B	2,4- DINITROTOLUENE	00121142	318	1590	0.05 for Dinitro- toluene	CRL
28B	2,6- DINITROTOLUENE	00606202	198	990	See 27B	CRL
29B	DI-N-OCTYL PHTHALATE	00117840	N/A	N/A	N/A	—
30B	1,2- DIPHENYLHYDRAZINE	00122667	3	15	0.04	CRL

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TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
31B	FLUORANTHENE	00206440	40	200	300	H
32B	FLUORENE	00086737	N/A	N/A	1000	H
33B	HEXACHLORO- BENZENE	00118741	N/A	N/A	0.0007	CRL
34B	HEXACHLOROBUTA- DIENE	00087683	2	10	0.5	CRL
35B	HEXACHLORO- CYCLOPENTADIENE	00077474	1	5	1	T&O
36B	HEXACHLORO- ETHANE	00067721	12	60	2	CRL
37B	INDENO(1,2,3- cd)PYRENE	00193395	N/A	N/A	0.003	CRL
38B	ISOPHORONE	00078591	2080	10,400	700	H
39B	NAPHTHALENE	00091203	43	135	10	T&O
40B	NITROBENZENE	00098953	808	4040	20	H
41B	N-NITROSODI- METHYLAMINE	00062759	3420	17,100	0.0007	CRL
42B	N-NITROSODI-N- PROPYLAMINE	00621647	N/A	N/A	0.05	CRL
43B	N-NITROSODI- PHENYLAMINE	00086306	59	295	5	CRL
44B	PHENANTHRENE	00085018	1	5	N/A	—
45B	PYRENE	00129000	N/A	N/A	1000	H

16-22

TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
46B	1,2,4- TRICHLOROBENZENE	00120821	26	130	700	H
1P	ALDRIN	00309002	0.1	1.5	0.0001	CRL
2P	alpha-BHC	00319846	N/A	N/A	0.004	CRL
3P	beta-BHC	00319857	N/A	N/A	0.02	CRL
4P	gamma-BHC (LINDANE)	00058899	0.08	1	0.02	CRL
5P	delta-BHC	00319868	N/A	N/A	N/A	—
6P	CHLORDANE	00057749	0.0043	1.2	0.0005	CRL
7P	4,4'-DDT	00050293	0.001	0.55	0.0005	CRL
8P	4,4'-DDE	00072559	0.001	0.55	N.D.	CRL
9P	4,4'-DDD	00072548	0.001	0.55	N.D.	CRL
10P	DIELDRIN	00060571	0.0019	1.3	0.0001	CRL
11P	alpha-ENDOSULFAN	00095988	0.056	0.11	0.9 for Endo- sulfan	H
12P	beta-ENDOSULFAN	33212659	0.056	0.11	See 11P	H
13P	ENDOSULFAN SULFATE	01031078	N/A	N/A	N/A	—
14P	ENDRIN	00072208	0.0023	0.09	0.8	H
15P	ENDRIN ALDEHYDE	07421934	N/A	N/A	N/A	—
16P	HEPTACHLOR	00076448	0.0038	0.26	0.0002	CRL
17P	HEPTACHLOR EPOXIDE	01024573	0.1	0.5	N.D.	CRL

16-23

TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA ($\mu\text{g/l}$)	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)		
18P	PCB-1242 for PCBs	53469219	0.014	1	0.00004	CRL
19P	PCB-1254	11097691	0.014	1	See 18P	CRL
20P	PCB-1221	11104282	0.014	1	See 18P	CRL
21P	PCB-1232	11141165	0.014	1	See 18P	CRL
22P	PCB-1248	12672296	0.014	1	See 18P	CRL
23P	PCB-1260	11096825	0.014	1	See 18P	CRL
24P	PCB-1016	12674112	0.014	1	See 18P	CRL
25P	TOXAPHENE	08001352	0.0002	0.37	0.0007	CRL
PP	2,3,7,8-TCDD	01746016	N/A	N/A	$1 \times 10\text{E-}8$	CRL
—	BARIUM	07440393	4100	20,500	1000	H
—	BORON	07440428	1610	8050	3000	H
—	COBALT	07440484	19	95	N/A	—
—	LITHIUM	07439932	N/A	N/A	900	H
—	VANADIUM	07440622	103	515	N/A	—
—	ACETONE	00067641	86,000	446,000	4000	H
—	p-CRESOL	00106445	159	795	2000	H
—	2-HEXANONE	00591786	4280	21,400	N/A	—
—	METHYLETHYL KETONE	00078933	32,200	161,000	2000	H
—	METHYLISOBUTYL KETONE	00108101	5000	26,000	2000	H
—	1-PROPANOL	00071238	45,550	227,750	N/A	—
—	2-PROPANOL	00067630	88,633	443,165	N/A	—

16-24

TABLE 1
WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

PP NO	CHEMICAL NAME	CAS NUMBER	FISH AND AQUATIC LIFE CRITERIA		HUMAN HEALTH CRITERIA	
			CRITERIA CONTINUOUS CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA MAXIMUM CONCENTRATIONS ($\mu\text{g/l}$)	CRITERIA ($\mu\text{g/l}$)	
—	1,2,3-TRICHLORO- PROPANE	00096184	N/A	N/A	200	H
—	XYLENE	01330207	211	1055	300	T&O
—	FORMALDEHYDE	00050000	436	2180	N.D.	CRL

Acronyms and Footnotes to Table 1

*Indicates dissolved metal criterion; others are total recoverable metals. Each listed dissolved criterion in Table 1 is equal to the corresponding total recoverable criterion before rounding (from the EPA National Ambient Water Quality Criteria Documents) multiplied by the conversion factor (from the Conversion Factors Table); a criterion that is expressed as a hardness (H)-based equation is shown in Table 1 as the conversion factor (listed) multiplied by the hardness criterion equation; an example criterion at hardness=100 mg/l is included.

H—Threshold effect human health criterion; incorporates additional uncertainty factor for some Group C carcinogens.

CRL—Cancer risk level criterion at 1×10^{-6} or N.D. (not detectable) if there are insufficient quantitative data to develop a numerical criterion.

T&O—Taste and odor criterion.

AES—Aesthetic criterion.

lnH—Natural logarithm of the Hardness of stream as mg/l CaCO_3 .

N/A—Insufficient data to develop criterion.

TABLE 2

**APPROVED EPA ANALYTICAL METHODS AND DETECTION
LIMITS: INORGANICS**

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (µg/l)
— ALUMINUM (07429905)	202.1 A, flame)	100
	202.2 (AA, furnace)	3
	200.7 (ICP)	45
	3500-Al D*1 (Colorimetric)	6
	D4190-82(88)*4 (DCP)	NA
1M ANTIMONY (07440360)	204.1 (AA, flame)	200
	204.2 (AA, furnace)	3
	200.7 (ICP)	45
2M ARSENIC (07440382)	206.2 (AA, furnace)	1
	206.3 (AA, hydride)	2
	206.4 (SDDC)	10
	200.7 (ICP)	53
— BARIUM (14798084)	208.1 (AA, flame)	100
	208.2 (AA, furnace)	2
	200.7 (ICP)	2
	—*3 (DCP)	NA
3M BERYLLIUM (07440417)	210.1 (AA, flame)	5
	210.2 (AA, furnace)	0.2
	200.7 (ICP)	0.3
	3500-Be D*1 (Colorimetric)	5
	D4190-82(88)*4 DCP)	NA
— BORON (07440428)	212.3 (Colorimetric)	0.2
	200.7 (ICP)	5
	D4190-82(88)*4 (DCP)	NA
4M CADMIUM (07440439)	213.1 (AA, flame)	5
	213.2 (AA, furnace)	0.1
	200.7 (ICP)	4
	3500-Cd D*1 (Colorimetric)	0.5
	D3557-90(C)*4 (Voltametry)	NA
	D4190-82(88)* (DCP)	NA

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (µg/l)
5M CHROMIUM TOTAL (07440473)	218.1 (AA, flame)	50
	218.2 (AA, furnace)	1
	218.3 (AA, extraction)	1
	200.7 (ICP)	7
	D4190-82(88)*4 (DCP)	NA
5M CHROMIUM VI (07440473)	218.4 (AA extraction)	10
	3500-Cr D*1 (Colorimetric)	NA
— COBALT (07440484)	219.1 (AA, flame)	50
	219.2 (AA, furnace)	1
	200.7 (ICP)	7
	D4190-82(88)*4 (DCP)	NA
6M COPPER (07440508)	220.1 (AA, flame)	20
	220.2 (AA, furnace)	1
	200.7 (ICP)	6
	3500-Cu D*1 (Colorimetric)	3
	3500-Cu E*1 (Colorimetric)	10
	D4190-82(88)*4 (DCP)	NA
— IRON (07439921)	236.1 (AA, flame)	30
	236.2 (AA, furnace)	1
	200.7 (ICP)	7
	3500-Fe D*1 (Colorimetric)	20
	D4190-82(88)*4 (DCP)	NA
7M LEAD (07439921)	239.1 (AA, flame)	100
	239.2 (AA, furnace)	1
	200.7 (ICP)	42
	3500-Pb D*1 (Colorimetric)	NA
	D3559-90(C)*4 (Voltametry)	NA
	D490-82(88)*4 (DCP)	NA
— MAGNESIUM (07439954)	242.1 (AA, flame)	1
	200.7 (ICP)	45
	3500—Mg D*1 (Gravimetric)	NA
	—*3 (DCP)	NA

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (µg/l)
— MANGANESE (07439965)	243.1 (AA, flame)	10
	243.2 (AA, furnace)	0.2
	200.7 (ICP)	2
	3500-Mn D*1 (Colorimetric)	6
	8034—*2 (Colorimetric)	NA
	D4190-82(88)*4 (DCP)	NA
8M MERCURY (07439976)	245.1 (Cold vapor, Man)	0.2
	245.2 (Cold vapor, Auto)	0.2
— MOLYBDENUM (07439987)	246.1 (AA, flame)	100
	246.2 (AA, furnace)	1
	200.7 (ICP)	8
	—*3 (DCP)	NA
9M NICKEL (07440020)	249.1 (AA, flame)	40
	249.2 (AA, furnace)	1
	200.7 (ICP)	15
	3500-Ni D*1 (Colorimetric)	NA
	D4190-82(88)*4 (DCP)	NA
10M SELENIUM (07782492)	270.2 (AA, furnace)	2
	270.3 (AA, hydride)	2
	200.7 (ICP)	75
11M SILVER (07440224)	272.1 (AA, flame)	10
	272.2 (AA, furnace)	0.2
	200.7 (ICP)	7
	—*3 (DCP)	NA
12M THALLIUM (07440280)	279.1 (AA, flame)	100
	279.2 (AA, furnace)	1
	200.7 (ICP)	40
— TIN (07440315)	282.1 (AA, flame)	800
	282.2 (AA, furnace)	5
	200.7 (ICP)	NA
— TITANIUM (07440326)	283.1 (AA, flame)	400
	283.2 (AA, furnace)	10
	—*3 (DCP)	NA

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (µg/l)
13M ZINC (07440666)	289.1 (AA, flame)	5
	289.2 (AA, furnace)	0.05
	200.7 (ICP)	2
	3500-Zn E*1 (Colorimetric)	1
	3500-Zn F*2 (Colorimetric)	NA
	D4190-82(88)*4 (DCP)	NA
14M CYANIDE, TOTAL (00057125)	4500-CN D*1 (Titrimetric)	1000
	335.3 (Spectrophometric)	20
	335.3 (Color., Auto)	5
**	--(DEP method, Auto)	1
14M CYANIDE, FREE (00057125)	Not EPA approved	
	4500-CN I*1 Not EPA approved	NA
	335.1 (Amenable to Chlor.)	NA
PHENOLS TOTAL	420.1 (4AAP, Manual)	5
	420.2 (4AAP, Auto)	2

* Not an EPA developed method, but approved by EPA

Source is:

1—Standard Methods for the Examination of Water and Wastewater, 18th Edition. APHA-AWWA-WPCF, 1992.

2—Hach Handbook of Wastewater Analysis. 1979.

3—Direct Current Plasma (DCP) Optical Emission Spectrometric Method for Trace Elemental Analysis of Water and Wastes, Method AES0029. Applied Research Laboratories, Inc., 1986—Revised 1991.

4—ASTM Annual Book of Standards, Section 11, Water. American Society for Testing and Materials, 1991.

** EPA currently measures “total cyanide” to satisfy cyanide limits and has not yet approved analytical methods for “free cyanide.” Free cyanide is a DEP required analysis, and either of the three listed methods are acceptable for its determination.

NOTE: Metal samples are to be unfiltered and predigested for measurement of the total recoverable (not dissolved) fraction. Samples for dissolved measurement are to be field filtered.

TABLE 2
APPROVED EPA ANALYTICAL METHODS AND DETECTION
LIMITS: ORGANICS

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
1A 2-CHLOROPHENOL (00095578)	604 - GC/FID	0.31
	604 - GC/ECD	0.58
	625 - GC/MS	3.3
	1625 - GC/MS(isotope)	10
2A 2,4-DICHLOROPHENOL (00120832)	604 - GC/FID	0.39
	604 - GC/ECD	0.68
	625 - GC/MS	2.7
	1625 - GC/MS(isotope)	10
3A 2,4-DIMETHYLPHENOL (00105679)	604 - GC/FID	0.32
	604 - GC/ECD	0.63
	625 - GC/MS	2.7
	1625 - GC/MS(isotope)	10
4A 4,6-DINITRO-o- CRESOL (00534521)	604 -GC/FID	16.0
	604 - GC/ECD	NA
	625 - GC/MS	24
	1625 - GC/MS(isotope)	20
5A 2,4-DINITROPHENOL (00051285)	604 -GC/FID	13.0
	604 - GC/ECD	NA
	625 - GC/MS	42
	1625 - GC/MS(isotope)	50
6A 2-NITROPHENOL (00088755)	604 -GC/FID	0.45
	604 - GC/ECD	0.77
	625 - GC/MS	3.6
	1625 - GC/MS(isotope)	20
7A 4-NITROPHENOL (00100027)	604 -GC/FID	2.8
	604 - GC/ECD	0.70
	625 - GC/MS	2.4
	1625 - GC/MS(isotope)	50

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
8A p-CHLORO-m-CRESOL (00059507)	604 - GC/FID	0.36
	604 - GC/ECD	1.8
	625 - GC/MS	3.0
	1625 - GC/MS(isotope)	10
9A PENTACHLOROPHENOL (00087865)	604 - GC/FID	7.4
	604 - GC/ECD	0.59
	625 - GC/MS	3.6
	1625 - GC/MS(isotope)	50
10A PHENOL (00108952)	604 - GC/FID	0.14
	604 - GC/ECD	2.2
	625 - GC/MS	1.5
	1625 - GC/MS(isotope)	10
11A 2,4,6-TRICHLORO- PHENOL (00088062)	604 - GC/FID	0.64
	604 - GC/ECD	0.58
	625 - GC/MS	2.7
	1625 - GC/MS(isotope)	10
1V ACROLEIN ⁽¹⁾ (00107028)	603 - GC/FID	0.7
	624 - GC/MS	NA
	1624 - GC/MS(isotope)	50
2V ACRYLONITRILE ⁽¹⁾ (00107131)	603 - GC/FID	0.5
	624 - GC/MS	NA
	1624 - GC/MS(isotope)	50
3V BENZENE (00071432)	602 - GC/PID	0.20
	624 - GC/MS	4.4
	1624 - GC/MS(isotope)	10
5V BROMOFORM (00075252)	601 - GC/Hal.	0.20
	624 - GC/MS	4.7
	1624 - GC/MS(isotope)	10
6V CARBON TETRA- CHLORIDE (00056235)	601 - GC/Hal.	0.12
	624 - GC/MS	2.8
	1624 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
7V CHLOROBENZENE (00108907)	601 - GC/Hal.	0.25
	602 - GC/PID	0.20
	624 - GC/MS	6.0
	1624 - GC/MS(isotope)	10
8V CHLORODIBROMO- METHANE (00124481)	601 - GC/Hal.	0.09
	624 - GC/MS	3.1
	1624 - GC/MS(isotope)	10
9V CHLOROETHANE (00075003)	601 - GC/Hal.	0.52
	624 - GC/MS	NA
	1624 - GC/MS(isotope)	10
10V 2-CHLOROETHYL VINYL ETHER (00110758)	601 - GC/Hal.	0.13
	624 - GC/MS	NA
	1624 - GC/MS(isotope)	10
11V CHLOROFORM (00067663)	601 - GC/Hal.	0.05
	624 - GC/MS	1.6
	1624 - GC/MS(isotope)	10
12V DICHLOROBROMO- ETHANE (00075274)	601 - GC/Hal.	0.10
	624 - GC/MS	2.2
	1624 - GC/MS(isotope)	10
14V 1,1-DICHLOROETHANE (00075343)	601 - GC/Hal.	0.07
	624 - GC/MS	4.7
	1624 - GC/MS(isotope)	10
15V 1,2-DICHLOROETHANE (00107062)	601 - GC/Hal.	0.03
	624 - GC/MS	2.8
	1624 - GC/MS(isotope)	10
16V 1,1-DICHLORO- ETHYLENE (00075354)	601 - GC/Hal.	0.13
	624 - GC/MS	2.8
	1624 - GC/MS(isotope)	10
17V 1,2-DICHLORO- PROPANE (00078875)	601 - GC/Hal.	0.04
	624 - GC/MS	6.0
	1624 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
18V 1,3-DICHLORO- PROPYLENE (00542756)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.34-cis 0.20-trans 5.0-cis 10 trans
19V ETHYLBENZENE (00100414)	602 - GC/PID 624 - GC/MS 1624 - GC/MS(isotope)	0.20 7.2 10
20V METHYL BROMIDE (00074839)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	1.18 NA 10
21V METHYL CHLORIDE (00074873)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.08 NA 10
22V METHYLENE CHLORIDE (00075092)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.25 2.8 10
23V 1,1,2,2-TETRA- CHLOROETHANE (00079345)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.03 6.9 10
24V TETRACHLORO- ETHYLENE (00127184)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.03 4.1 10
25V TOLUENE (00108883)	602 - GC/PID 624 - GC/MS 1624 - GC/MS(isotope)	0.20 6.0 10
26V 1,2-trans- DICHLOROETHYLENE (00156605)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.10 1.6 10
27V 1,1,1-TRICHLORO- ETHANE (00071556)	601 - GC/Hal. 624 - GC/MS 1624 - GC/MS(isotope)	0.03 3.8 10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
28V 1,1,2-TRICHLORO- ETHANE (00079005)	601 - GC/Hal.	0.02
	624 - GC/MS	5.0
	1624 - GC/MS(isotope)	10
29V TRICHLOROETHYLENE (00079016)	601 - GC/Hal.	0.12
	624 - GC/MS	1.9
	1624 - GC/MS(isotope)	10
31V VINYL CHLORIDE (00075014)	601 - GC/Hal	0.18
	624 - GC/MS	NA
	1624 - GC/MS(isotope)	10
1B ACENAPHTHENE 00083329)	610 - GC/FID	NA
	610 - HPLC	1.8
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
2B ACENAPHTHYLENE (00208968)	610 - GC/FID	NA
	610 - HPLC	2.3
	625 - GC/MS	3.5
	1625 - GC/MS(isotope)	10
3B ANTHRACENE (00120127)	610 - GC/FID	NA
	610 - HPLC	0.66
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
4B BENZIDINE ⁽²⁾ (00092875)	605 - HPLC	0.08
	625 - GC/MS	44
	1625 - GC/MS(isotope)	50
5B BENZO(a)ANTHRA- CENE (00056553)	610 - GC/FID	NA
	610 - HPLC	0.013
	625 - GC/MS	7.8
	1625 - GC/MS(isotope)	50
6B BENZO(a)PYRENE (00050328)	610 - GC/FID	NA
	610 - HPLC	0.023
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
7B 3,4-BENZO- FLUORANTHENE (00205992)	610 - GC/FID	NA
	610 - HPLC	0.018
	625 - GC/MS	4.8
	1625 - GC/MS(isotope)	10
8B BENZO(ghi)PERYL- ENE (00191242)	610 - GC/FID	NA
	610 - HPLC	0.076
	625 - GC/MS	4.1
	1625 - GC/MS(isotope)	10
9B BENZO(k)FLUOR- ANTHENE (00207089)	610 - GC/FID	NA
	610 - HPLC	0.017
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10
10B BIS(2-CHLORO- ETHOXY) METHANE (00111911)	611 - GC/Hal.	0.5
	625 - GC/MS	5.3
	1625 - GC/MS(isotope)	10
11B BIS(2-CHLORO- ETHYL) ETHER (00111444)	611 - GC/Hal.	0.3
	625 - GC/MS	5.7
	1625 - GC/MS(isotope)	10
12B BIS(2-CHLORO- ISOPROPYL)ETHER (39638329)	611 - GC/Hal.	0.8
	625 - GC/MS	5.7
	1625 - GC/MS(isotope)	10
13B BIS(2-ETHYL- HEXYL) PHTHALATE (00117817)	606 - GC/ECD	2.0
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10
14B 4-BROMOPHENYL PHENYL ETHER (00101553)	611 - GC/Hal.	2.3
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
15B BUTYLBENZYL PHTHALATE (00085687)	606 - GC/ECD	0.34
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
16B 2-CHLORONAPH- THALENE (00091587)	612 - GC/ECD	0.94
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
17B 4-CHLOROPHENYL PHENYL ETHER (07005723)	611 - GC/Hal.	3.9
	625 - GC/MS	4.2
	1625 - GC/MS(isotope)	10
18B CHRYSENE (00218019)	610 - GC/FID	NA
	610 - HPLC	0.15
	625 - GC/MS	5.3
	1625 - GC/MS(isotope)	10
19B DIBENZO(a,h) ANTHRACENE (00053703)	610 - GC/FID	NA
	610 - HPLC	0.030
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	20
20B 1,2-DICHLORO- BENZENE (00095501)	601 - GC/Hal.	0.15
	602 - GC/PID	0.40
	612 - GC/ECD	1.14
	624 - GC/MS	NA
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
21B 1,3-DICHLORO- BENZENE (00541731)	601 - GC/Hal.	0.32
	602 - GC/PID	0.40
	612 - GC/ECD	1.19
	624 - GC/MS	NA
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
22B 1,4-DICHLORO- BENZENE (00106467)	601 - GC/Hal.	0.24
	602 - GC/PID	0.30
	612 - GC/ECD	1.34
	624 - GC/MS	NA
	625 - GC/MS	4.4
	1625 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
23B 3,3'-DICHLORO- BENZIDINE ⁽²⁾ (00091941)	605 - HPLC	0.13
	625 - GC/MS	16.5
	1625 - GC/MS(isotope)	50
24B DIETHYL PHTHALATE (00084662)	606 - GC/ECD	0.49
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
25B DIMETHYL PHTHALATE (00131113)	606 - GC/ECD	0.29
	625 - GC/MS	1.6
	1625 - GC/MS(isotope)	10
26B DI-N-BUTYL PHTHALATE (00084742)	606 - GC/ECD	0.36
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10
27B 2,4-DINITROTOLUENE (00121142)	609 - GC/ECD	0.02
	625 - GC/MS	5.7
	1625 - GC/MS(isotope)	10
28B 2,6-DINITROTOLUENE (00606202)	609 - GC/ECD	0.01
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
29B DI-N-OCTYL PHTHALATE (00117840)	606 - GC/ECD	3.0
	625 - GC/MS	2.5
	1625 - GC/MS(isotope)	10
30B 1,2-DIPHENYL- HYDRAZINE (00122667)	625 - GC/MS	10
	1625 - GC/MS(isotope)	20
31B FLUORANTHENE (00206440)	610 - GC/FID	NA
	610 - HPLC	0.21
	625 - GC/MS	2.2
	1625 - GC/MS(isotope)	10
32B FLUORENE (00086737)	610- GC/FID	NA
	610 - HPLC	0.21
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
33B HEXACHLORO- BENZENE (00118741)	612 - GC/ECD	0.05
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
34B HEXACHLORO- BUTADIENE (00087683)	612 - GC/ECD	0.34
	625 - GC/MS	0.9
	1625 - GC/MS(isotope)	10
35B HEXACHLORO- CYCLOPENTADIENE ⁽³⁾ (00077474)	612 - GC/ECD	0.40
	625 - GC/MS	NA
	1625 - GC/MS(isotope)	10
36B HEXACHLOROETHANE (00067721)	612 - GC/ECD	0.03
	625 - GC/MS	1.6
	1625 - GC/MS(isotope)	10
37B INDENO(1,2,3- cd)PYRENE (00193395)	610 - GC/FID	NA
	610 - HPLC	0.043
	625 - GC/MS	3.7
	1625 - GC/MS(isotope)	20
38B ISOPHORONE (00078591)	609 - GC/FID	5.7
	609 - GC/ECD	15.7
	625 - GC/MS	2.2
	1625 - GC/MS(isotope)	20
39B NAPHTHALENE (00091203)	610 - GC/FID	NA
	610 - HPLC	1.8
	625 - GC/MS	1.6
	1625 - GC/MS(isotope)	10
40B NITROBENZENE (00098953)	609 - GC/FID	3.6
	609 - GC/ECD	13.7
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
41B N-NITROSODI- METHYLAMINE ⁽⁴⁾ (00062759)	607 - GC/N-PD	0.15
	625 - GC/MS	NA
	1625 - GC/MS(isotope)	50

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
42B N-NITROSODI-N- PROPYLAMINE (00621647)	607 - GC/ECD	0.46
	625 - GC/MS	NA
	1625 - GC/MS(isotope)	20
43B N-NITROSODI- PHENYLAMINE ⁽⁴⁾ (00086306)	607 - GC/N-PD	0.81
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	20
44B PHENANTHRENE (00085018)	610 - GC/FID	NA
	610 - HPLC	0.64
	625 - GC/MS	5.4
	1625 - GC/MS(isotope)	10
45B PYRENE (00129000)	610 - GC/FID	NA
	610 - HPLC	0.27
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
46B 1,2,4-TRICHLORO- BENZENE (00120821)	612 - GC/ECD	0.05
	625 - GC/MS	1.9
	1625 - GC/MS(isotope)	10
1P ALDRIN (00309002)	608 - GC/ECD	0.004
	625 - GC/MS	1.9
2P alpha-BHC ⁽⁵⁾ (00319846)	608 - GC/ECD	0.003
	625 - GC/MS	NA
3P beta-BHC (00319857)	608 - GC/ECD	0.006
	625 - GC/MS	4.2
4P gamma-BHC ⁽⁵⁾ (LINDANE) (00058899)	608 - GC/ECD	0.004
	625 - GC/MS	NA
5P delta-BHC (00319868)	608 - GC/ECD	0.009
	625 - GC/MS	3.1
6P CHLORDANE (00057749)	608 - GC/ECD	0.014
	625 - GC/MS	NA

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
7P 4,4'-DDT (00050293)	608 - GC/ECD 625 - GC/MS	0.012 4.7
8P 4,4'-DDE (00072559)	608 - GC/ECD 625 - GC/MS	0.004 5.6
9P 4,4'-DDD (00072548)	608 - GC/ECD 625 - GC/MS	0.011 2.8
10P DIELDRIN (00060571)	608 - GC/ECD 625 - GC/MS	0.002 2.5
11P alpha-ENDOSULFAN ⁽⁵⁾ (00095988)	608 - GC/ECD 625 - GC/MS	0.014 NA
12P beta-ENDOSULFAN ⁽⁵⁾ (33212659)	608 - GC/ECD 625 - GC/MS	0.004 NA
13P ENDOSULFAN SULFATE (01031078)	608 - GC/ECD 625 - GC/MS	0.066 5.6
14P ENDRIN ⁽⁵⁾ (00072208)	608 - GC/ECD 625 - GC/MS	0.006 NA
15P ENDRIN ALDEHYDE (07421934)	608 - GC/ECD 625 - GC/MS	0.023 NA
16P HEPTACHLOR (00076448)	608 - GC/ECD 625 - GC/MS	0.003 1.9
17P HEPTACHLOR EPOXIDE (01024573)	608 - GC/ECD 625 - GC/MS	0.083 2.2
18P PCB-1242 (53469219)	608 - GC/ECD 625 - GC/MS	0.065 NA
19P PCB-1254 (11097691)	608 - GC/ECD 625 - GC/MS	NA 36

Parameter (CAS)	Method Number (Description) *Source	Detection Limit (MDL) (µg/l)
20P PCB-1221 (11104282)	608 - GC/ECD 625 - GC/MS	NA 30
21P PCB-1232 (11141165)	608 - GC/ECD 625 - GC/MS	NA NA
22P PCB-1248 (12672296)	608 - GC/ECD 625 - GC/MS	NA NA
23P PCB-1260 (11096825)	608 - GC/ECD 625 - GC/MS	NA NA
24P PCB-1016 (12674112)	608 - GC/ECD 625 - GC/MS	NA NA
25P TOXAPHENE (08001352)	608 - GC/ECD 625 - GC/MS	0.24 NA
PP 2,3,7,8-TCDD (01746016)	613 - GC/MS	0.002

NA = Not available.

(1)—If acrolein and/or acrylonitrile is expected, use method 603 as screening method.

(2)—EPA says “When Benzidine is known to be present, screen with EPA 605.” However, because HPLC is a generally unavailable procedure at this time, GC-MS enhanced to achieve a detection level more sensitive than the EPA’s MDL can be used. Permit monitoring requirements for these two chemicals can also be set using EPA 625 as an acceptable analytical procedure.

(3)—When Hexachlorocyclopentadiene is known to be present, screen with EPA 612.

(4)—When N-Nitrosodimethylamine and/or N-Nitrosodiphenylamine are known to be present, screen with EPA 607.

(5)—When alpha-BHC, gamma-BHC (Lindane) alpha-Endosulfan (I), beta-Endosulfan (II) and/or Endrin are known to be present, screen with EPA 608.

TABLE 3
DESCRIPTION OF EPA METHODS FOR THE
ANALYSIS OF PRIORITY POLLUTANT ORGANICS

EPA Method Number	Description of Method	Types of Compounds Analyzed
601	Gas chromatography (GC) using purge and trap system with halide specific detector (HAL).	29 Purgeable Halocarbons (Volatile fraction)
602	Gas chromatography using purge and trap system photorization detector (PED).	Purgeable aromatics (4 Volatiles 3 base/neutrals)
603	Gas chromatography using purge and trap system with flame ionization detector (FID).	Acrolein Acrylonitrile
604	Gas chromatography preceded by extraction, using a flame ionization detector.	Acid extractable fraction (10 phenols)
605	High performance liquid chromatography (HPLC) preceded by acid-back extraction with electrochemical detector.	Benzidine 3,3'-Dichlorobenzidine
606	Gas chromatography preceded by extraction using a flame ionizator or electron capture detector (ECD).	6 Phthalate esters
607	Gas chromatography preceded by extraction using a nitrogenphosphorous detector.	N-Nitrosodimethylamine N-Nitrosodi-n-propylamine N-Nitrosodiphenylamine
608	Gas chromatography preceded by extraction and measured with a electron capture detector.	Pesticide fraction, including PCB's (25 cmpds)
609	Gas chromatography preceded by extraction using a flame ionization or electron capture detector.	2,4-Dinitrotoluene 2,6-Dinitrotoluene Isophorone Nitrobenzene
610	Extraction followed by separation by a) gas chromatography with flame ionization detector, or b) high performance liquid chromatography with ultraviolet (UV) or fluorescence detector.	16 Polynuclear aromatic hydrocarbons
611	Gas chromatography preceded by extraction using a halide specific detector.	5 Haloethers
612	Gas chromatography preceded by extraction using an electron capture detector.	9 chlorinated hydrocarbons

EPA Method Number	Description of Method	Types of Compounds Analyzed
613	Gas chromatography preceded by extraction and measured with a mass spectrometer (MS)	2,3,7,8-TCDD
624	Gas chromatography, using purge and trap system, detected with a mass spectrometer.	Purgeable (volatile) fraction
625	Gas chromatography, preceded by separation via acid and basic extraction, detected with a mass spectrometer.	Acid and base/neutral fractions
1624	Volatile organic compounds by isotope dilution GC/MS.	Purgeable (volatile) fraction
1625	Semivolatile organic compounds by isotope dilution GC/MS.	Acid and base/neutral fractions

Source

The provisions of this Appendix A adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 1059; corrected April 7, 1989, effective March 11, 1989, 19 Pa.B. 1575; amended August 31, 1990, effective September 1, 1990, 20 Pa.B. 4628; amended December 21, 1990, effective December 22, 1990, 20 Pa.B. 6299; amended January 18, 1991, effective January 19, 1991, 21 Pa.B. 234; amended April 9, 1993, effective April 10, 1993, 23 Pa.B. 1727; amended October 15, 1993, effective October 16, 1993, 23 Pa.B. 4906; amended November 17, 1995, effective November 18, 1995, 25 Pa.B. 5067. Immediately preceding text appears at serial pages (183021) to (183022), (178849) to (178872) and (183023) to (183024).

Cross References

This appendix cited in 25 Pa. Code § 16.41 (relating to changes and additions); 25 Pa. Code § 16.51 (relating to table); and 25 Pa. Code § 16.102 (relating to approved EPA analytical methods and detection limits).

Commonwealth of Pennsylvania
Pennsylvania Code

Title 25. Environmental Protection

Department of Environmental Protection

Chapter 93. Water Quality Standards



Department of Environmental Protection
Bureau of Watershed Conservation
Division of Water Quality Assessment & Standards
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Current through 28 Pa.B. 3492 (July 18, 1998)

CHAPTER 93. WATER QUALITY STANDARDS

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Authority

The provisions of this Chapter 93 issued under sections 5 and 402 of The Clean Streams Law (35 P. S. §§ 691.5 and 691.402), unless otherwise noted.

Source

The provisions of this Chapter 93 adopted September 10, 1971, effective September 11, 1971, 1 Pa.B. 1804; amended September 7, 1979, effective October 8, 1979, 9 Pa.B. 3051, unless otherwise noted.

Cross References

This chapter cited in 25 Pa. Code § 16.1 (relating to general); 25 Pa. Code § 23.9 (relating to special procedures); 25 Pa. Code Chapter 23, Appendix A (relating to special procedures for petitions for stream redesignations under The Clean Streams Law and Chapter 93—statement of policy); 25 Pa. Code § 71.21 (relating to content of official plans); 25 Pa. Code § 77.527 (relating to sedimentation ponds); 25 Pa. Code § 78.60 (relating to discharge requirements); 25 Pa. Code § 87.102 (relating to hydrologic balance: effluent standards); 25 Pa. Code § 87.103 (relating to precipitation event exemption); 25 Pa. Code § 87.104 (relating to stream channel diversions); 25 Pa. Code § 87.108 (relating to hydrologic balance: sedimentation ponds); 25 Pa. Code § 88.92 (relating to hydrologic balance: effluent standards); 25 Pa. Code § 88.93 (relating to hydrologic balance: precipitation event exemption); 25 Pa. Code § 88.167 (relating to hydrologic balance: effluent standards); 25 Pa. Code § 88.187 (relating to hydrologic balance: effluent standards); 25 Pa. Code § 88.188 (relating to hydrologic balance: precipitation event exemption); 25 Pa. Code § 88.292 (relating to hydrologic balance: effluent standards); 25 Pa. Code § 88.293 (relating to hydrologic balance: precipitation event exemption); 25 Pa. Code § 89.52 (relating to water quality standards, effluent limitations and best management practices); 25 Pa. Code § 89.53 (relating to precipitation event exemption); 25 Pa. Code § 90.102 (relating to hydrologic balance: water quality standards, effluent limitations and best management practices); 25 Pa. Code § 90.103 (relating to precipitation event exemption); 25 Pa. Code § 90.105 (relating to stream channel diversions); 25 Pa. Code § 92.17 (relating to other chapters applicable); 25 Pa. Code § 92.81 (relating to general NPDES permits); 25 Pa. Code § 92.83 (relating to inclusion of individual dischargers in general NPDES permits); 25 Pa. Code § 95.1 (relating to general requirements); 25 Pa. Code § 95.4 (relating to extensions of time to achieve water quality based effluent limitations); 25 Pa. Code § 95.8 (relating to change in treatment requirements); 25 Pa. Code § 95.9 (relating to phosphorus discharges to streams); 25 Pa. Code § 97.15 (relating to quality standards); 25 Pa. Code § 97.83 (relating to allowable discharges to acid impregnated streams); 25 Pa. Code § 102.31 (relating to permit requirements); 25 Pa. Code § 103.1 (relating to definitions); 25 Pa. Code § 105.12 (relating to waiver of permit requirements); 25 Pa. Code § 105.14 (relating to review of applications); 25 Pa. Code § 105.15 (relating to environmental assessment); 25 Pa. Code § 105.16 (relating to environmental, social and economic balancing); 25 Pa. Code § 105.17 (relating to wetlands); 25 Pa. Code § 105.113 (relating to releases); 25 Pa. Code Chapter 105, Appendix D (relating to Bureau of Dams and Waterway Management; general permit BDWM-GP-4); 25 Pa. Code Chapter 105, Appendix E (relating to utility line stream crossings; general permit BDWM-GP-5); 25 Pa. Code Chapter 105, Appendix F (relating to agricultural crossings and ramps; general permit BDWM-GP-6); 25 Pa. Code Chapter 105, Appendix G (relating to minor road crossings; general permit BDWM-GP-7); 25 Pa. Code Chapter 105, Appendix H (relating to temporary road crossings; general permit BDWM-GP-8); 25 Pa. Code § 245.235 (relating to environmental assessment); 25 Pa. Code § 245.309 (relating to site characterization); 25 Pa. Code § 245.310 (relating to site characterization report); 25 Pa. Code § 250.1 (relating to definitions); 25 Pa. Code § 250.309 (relating to MSCs for surface water); 25 Pa. Code § 250.406 (relating to relationship to surface water quality requirements); 25 Pa. Code § 269.50 (relating to environmental assessment considerations); 25 Pa. Code § 271.127 (relating to environmental assessment); 25 Pa. Code § 271.902 (relating to permits and direct enforceability); 25 Pa. Code § 273.119 (relating to alternative water supply information); 25 Pa. Code § 273.245 (relating to water supply replacement); 25 Pa. Code § 277.119 (relating to alternative water supply information); 25 Pa. Code § 277.245 (relating to water supply replacement); 25 Pa. Code § 287.1 (relating to definitions); and 25 Pa. Code § 287.127 (relating to environmental assessment).

Notes of Decisions

The Commonwealth Court lacks both original and appellate jurisdiction to review the EQB's order upgrading the water quality standard of a creek when an adequate statutory remedy and review process exists. *Concerned Citizens of Chestnut Hill Township v. Department of Environmental Resources*, 632 A.2d 1 (Pa. Cmwlth. 1993).

The adoption by the Environmental Quality Board of amendments to 25 Pa. Code Chapter 93 are not reviewable by the Environmental Hearing Board. *United States Steel Corp. v. Department of Environmental Resources*, 65 Pa. Commw. 103, 104, 442 A.2d 7, 9 (1982).

§ 93.1. Definitions.

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

Ambient stream concentration—The range in concentration or level of a water quality parameter which would be expected to occur in the absence of human activities. The value is normally determined from quality measurements of waters that are not affected by waste discharges or other human activities.

Ambient temperature—The temperature of the water body upstream or outside of the influence of a heated waste discharge or waste discharge complex. The ambient temperature sampling point should be unaffected by a source of waste heat.

Application factor—The ratio of the safe concentration to the 96-hour LC₅₀ concentration which is assumed to be constant for related groups of chemicals and is multiplied by an LC₅₀ value to produce the estimated safe concentration of a pollutant necessary to protect the balanced indigenous community in the receiving body of water.

Balanced indigenous aquatic community—A group of populations occupying a common area which consists of desirable species of fish and shellfish, including the biota of other trophic levels which are necessary as part of the food chain or otherwise ecologically important to the maintenance of these populations.

Carcinogen—A substance that causes an increased incidence in benign or malignant neoplasms, or a substantial decrease in the latency period between exposure and the onset of neoplasms in man or other species as evidenced by toxicological or epidemiological studies, or both.

Carcinogenesis—The onset of cancer.

The Clean Streams Law—The Clean Streams Law (35 P. S. §§ 691.1—691.1001).

Clean Water Act—Pub. L. No. 95-217, 91 Stat. 1566—1609.

Cumulative pollutant—A pollutant which is measurably increased in concentration within aquatic organisms relative to concentrations in the receiving waters.

Daily average—The arithmetic average of the samples collected during a continuous 24-hour period.

Designated uses—Those uses specified in §§ 93.9a—93.9z for each water body or segment whether or not they are being attained.

Effluent limits—Restrictions established by the Department on quantities, rates and concentrations of pollutants which are discharged into the waters of this Commonwealth.

Epilimion—Warm upper layer of nearly uniform temperature in a stratified body of water, such as a lake or impoundment.

Existing potable water supply—A source of water supply which is presently being used by humans after conventional treatment for drinking, culinary and other purposes such as inclusion in food products.

Four-day average—The arithmetic average of the samples collected during a consecutive 4-day period.

Existing sensitive industrial water supply—An existing industrial water supply use which would require installation of additional water treatment by the industrial user if the total dissolved solids concentration in-stream exceeds 500 mg/l as a monthly average and 750 mg/l at one time.

Existing uses—Those uses actually attained in the water body on or after November 28, 1975, whether or not they are included in the water quality standards.

LC₅₀ value—The concentration of a pollutant in test waters that is lethal to 50% of the test organisms during continuous exposure for a specified period of time.

Margin of safety—The combination of uncertainty and modifying factors applied to the results of toxicity tests to compensate for incomplete characterization of the effect on the population to be protected.

Maximum allowable daily load (MDL)—The maximum amount of a pollutant from point and nonpoint sources which the receiving waters can assimilate at the accepted design stream flow without endangering the achievement of the water quality standards.

Monthly average—The arithmetic average of the samples collected during a calendar month.

No demonstrable adverse effect on an ecological community—A condition which would exist only if appropriate statistical analysis reveals that the relative abundance of each major grouping of organisms—that is, family, genus and species taxonomic levels—and the species diversity for major communities at upstream and downstream sampling stations is within the 95% confidence limits and that there is no shift in species from a mixed sensitive/facultative/tolerant composition structure to one favoring a facultative/tolerant composition structure.

Noncumulative pollutant—A pollutant which is not measurably increased in concentration within aquatic organisms relative to concentrations in the receiving waters.

Nonthreshold effect—An adverse impact, including carcinogenesis, for which no exposure greater than zero assures protection to the exposed individual.

One-hour average—The arithmetic average of the samples collected during a continuous 1-hour period.

Osmotic pressure—The pressure which, when applied to a solution, will just prevent the passage of solvent—usually water—from an area of low solute concentration through a semipermeable membrane to an area of high solute concentration.

Priority pollutants—The chemicals identified by the EPA for priority in water pollution control, under section 307(a)(1) of the Clean Water Act (33 U.S.C.A. § 1317(a)(1)).

Q₇₋₁₀—The actual or estimated lowest 7 consecutive-day average flow that occurs once in 10 years for a stream with unregulated flow, or the estimated minimum flow for a stream with regulated flow.

Representative important species—Species of aquatic life whose protection and propagation will assure the sustained presence of a balanced indigenous community. The species are representative in the sense that maintenance of water quality criteria will assure both the natural completion of the species' life cycles and the overall protection and sustained propagation of the balanced indigenous community.

Risk assessment—The characterization of the potential adverse effects of exposure to environmental hazards. The term includes hazard identification, dose-response assessment, exposure assessment and risk characterization.

Risk management—The process of evaluation and selection between alternative regulatory options. Risk management decisions may include consideration of risk assessment, analytical, socio-economic and political factors.

Safe concentration value—An estimated pollutant concentration as may be determined by the Department from relevant aquatic field studies, substantial available scientific literature or bioassay tests tailored to the ambient quality of the receiving waters which will allow the survival of representative important species that have been chronically exposed to the concentration in the receiving waters.

State water plan—The reports, studies, inventories and plans prepared by the Department to guide the conservation, development and administration of the Commonwealth's water and related land resources as authorized by section 1904-A of The Administrative Code of 1929 (71 P. S. § 510-4).

Surface waters—Perennial and intermittent streams, rivers, lakes, reservoirs, ponds, wetlands, springs, natural seeps and estuaries, excluding water at facilities approved for wastewater treatment such as wastewater treatment impoundments, cooling water ponds, and constructed wetlands used as part of a wastewater treatment process.

Test water—A receiving water directly upstream from a waste discharge which is relatively unaffected by human activities, or a reconstituted water which approximates the ambient chemical characteristics of these receiving waters.

Threshold effect—An adverse impact that occurs in the exposed individual only after a physiological reserve is depleted. For these effects there exists a dose below which no adverse response will occur.

Toxic substance—A chemical or compound in sufficient quantity or concentration which is, or may become, harmful to human, animal or plant life. The term includes, but is not limited to, priority pollutants and those substances which are identified in Chapter 16 (relating to water quality toxic management strategy—statement of policy).

Water-quality-based effluent limitations—An effluent limitation based on the need to attain or maintain specific water quality criteria in order to assure protection of a designated use.

Water quality criteria—Levels of parameters or stream conditions that need to be maintained or attained to prevent or eliminate pollution.

Water quality standards—The combination of water uses to be protected and the water quality criteria necessary to protect those uses.

Wetlands—Areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs and similar areas.

Authority

The provisions of this § 93.1 amended under sections 5 and 402 of The Clean Streams Law (35 P. S. §§ 691.5 and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.1 amended May 30, 1980, effective May 31, 1980, 10 Pa.B. 2157; amended March 10, 1989, effective March 11, 1989, 19 Pa.B. 968; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6799. Immediately preceding text appears at serial pages (229535) to (229536) and (233503) to (233504).

Cross References

This section cited in 25 Pa. Code § 250.309 (relating to MSCs for surface water); and 25 Pa. Code § 250.406 (relating to relationship to surface water quality requirements).

§ 93.2. Scope.

(a) This chapter sets forth water quality standards for the waters of the Commonwealth, including wetlands. These standards are based upon water uses which are to be protected and will be considered by the Department in its regulation of discharges.

(b) Where interstate or international agencies under an interstate compact or international agreement establish water quality standards regulations applicable to the waters of the Commonwealth, including wetlands, more stringent than those in this title, the more stringent apply.

Source

The provisions of this § 93.2 amended through March 8, 1985, effective February 16, 1985, 15 Pa.B. 907; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832. Immediately preceding text appears at serial page (167768).

Notes of Decisions

Denial of an application for a mine drainage permit cannot be based solely on the ground that the watershed has been designated a conservation area as defined in this section. *Doraville Enterprises v. Commonwealth*, 73 Pa. D.&C.2d 635 (1975).

§ 93.3. Protected water uses.

Water uses which shall be protected, and upon which the development of water quality criteria shall be based, are set forth, accompanied by their identifying symbols, in the following Table 1:

Table 1

<i>Symbol</i>	<i>Protected Use</i>
	Aquatic Life
CWF	<i>Cold Water Fishes</i> —Maintenance and/or propagation of fish species including the family Salmonidae and additional flora and fauna which are indigenous to a cold water habitat.
WWF	<i>Warm Water Fishes</i> —Maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
MF	<i>Migratory Fishes</i> —Passage, maintenance and propagation of anadromous and catadromous fishes and other fishes which ascend to flowing waters to complete their life cycle.
TSF	<i>Trout Stocking</i> —Maintenance of stocked trout from February 15 to July 31 and maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
	Water Supply
PWS	<i>Potable Water Supply</i> —Used by the public as defined by the Federal Safe Drinking Water Act, 42 U.S.C. § 300F, or by other water users that require a permit from the Department under The Pennsylvania Safe Drinking Water Act (35 P. S. §§ 721.1—721.18), or the act of June 24, 1939 (P. L. 842, No. 365) (32 P. S. §§ 631—641), after conventional treatment, for drinking, culinary, and other domestic purposes, such as inclusion into foods, either directly or indirectly.
IWS	<i>Industrial Water Supply</i> —Use by industry for inclusion into nonfood products, processing and cooling.
LWS	<i>Livestock Water Supply</i> —Use by livestock and poultry for drinking and cleansing.
AWS	<i>Wildlife Water Supply</i> —Use for waterfowl habitat and for drinking and cleansing by wildlife.
IRS	<i>Irrigation</i> —Used to supplement precipitation for growing crops.

<i>Symbol</i>	<i>Protected Use</i>
	Recreation
B	<i>Boating</i> —Use of the water for power boating, sail boating, canoeing, and rowing for recreational purposes when surface water flow or impoundment conditions allow.
F	<i>Fishing</i> —Use of the water for the legal taking of fish.
WC	<i>Water Contact Sports</i> —Use of the water for swimming and related activities.
E	<i>Esthetics</i> —Use of the water as an esthetic setting to recreational pursuits.
	Special Protection
HQ	<i>High Quality Waters</i> —A stream or watershed which has excellent quality waters and environmental or other features that require special water quality protection.
EV	<i>Exceptional Value Waters</i> —A stream or watershed which constitutes an outstanding national, State, regional or local resource, such as waters of national, State or county parks or forests, or waters which are used as a source of unfiltered potable water supply, or waters of wildlife refuges or State game lands, or waters which have been characterized by the Fish Commission as “Wilderness Trout Streams,” and other waters of substantial recreational or ecological significance.
	Other
N	<i>Navigation</i> —Use of the water for the commercial transfer and transport of persons, animals, and goods.

Source

The provisions of this § 93.3 amended February 15, 1985, effective February 16, 1985, 15 Pa.B. 544. Immediately preceding text appears at serial pages (50936) to (50938).

Cross References

This section cited in 25 Pa. Code § 93.4 (relating to Statewide water uses); 25 Pa. Code § 93.5 (relating to application of water quality criteria to discharge of pollutants); 25 Pa. Code § 245.1 (relating to definitions); and 25 Pa. Code § 287.1 (relating to definitions).

§ 93.4. Statewide water uses.

(a) *Statewide water uses.* The uses set forth in Table 2 were considered in determining the water quality criteria applicable to the particular waters listed in § 93.9 (relating to designated water uses and water quality criteria) except where otherwise indicated in § 93.9.

TABLE 2

<i>Symbol</i>	<i>Use</i>
	<i>Aquatic Life</i>
WWF	Warm Water Fishes
	<i>Water Supply</i>
PWS	Potable Water Supply
IWS	Industrial Water Supply
LWS	Livestock Water Supply
AWS	Wildlife Water Supply
IRS	Irrigation
	<i>Recreation</i>
B	Boating
F	Fishing
WC	Water Contact Sports
E	Esthetics

(b) *Less restrictive uses.* Less restrictive uses than those currently designated for particular waters listed in § 93.9 may be adopted when it is demonstrated that the designated use is more restrictive than the existing use and one or more of the following conditions exist:

(1) The designated use is not attainable because of natural background conditions.

(2) The designated use is not attainable because of irretrievable man-induced conditions.

(3) Application of effluent limitations for existing sources more stringent than those required under section 301 of the Water Pollution Control Act (33 U.S.C.A. § 1311), to attain the designated use, would result in substantial and widespread adverse economic and social impact.

(c) *Redesignation of waters.* Waters considered for redesignation under subsection (b) may not be redesignated to less restrictive uses than the existing uses.

(d) *Protection of water bodies.*

(1) When the Department's evaluation of technical data establishes that a waterbody attains the criteria for an existing use which is more protective of the waterbody than the designated use, that waterbody shall be protected at its existing use until the conclusion of rulemaking action as a result of the evaluation. At the conclusion of the rulemaking procedure, the waterbody shall be protected at its designated use.

(2) When the Department's evaluation under paragraph (1) establishes that a waterbody attains the criteria for "High Quality Waters," as defined in § 93.3 (relating to protected water uses), that waterbody shall be protected at its existing use. Proposed new and expanded discharges to the waterbody shall maintain and protect the existing quality of the waterbody unless the person

proposing the new or expanded discharge demonstrates the criteria in § 95.1(b)(1) and (2) (relating to general requirements).

Source

The provisions of this § 93.4 amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832. Immediately preceding text appears at serial pages (167768) to (167771).

Cross References

This section cited in 25 Pa. Code § 16.22 (relating to criteria development); 25 Pa. Code § 93.5 (relating to application of water quality criteria to discharge of pollutants); 25 Pa. Code § 250.309 (relating to MSCs for surface water); and 25 Pa. Code § 250.406 (relating to relationship to surface water quality requirements).

§ 93.5. Application of water quality criteria to discharge of pollutants.

(a) *Application of effluent limitations.* The water quality criteria prescribed in this chapter for the various designated uses of the waters of this Commonwealth apply to receiving waters and are not to be necessarily deemed to constitute the effluent limit for a particular discharge, but rather one of the major factors to be considered in developing specific limitations on the discharge of pollutants. Where water quality criteria become the controlling factor in developing specific effluent limitations, the procedures in § 95.3 (relating to waste load allocations) will be employed.

(b) *Design conditions.*

(1) Except if otherwise specified in this chapter, the water quality criteria in this chapter shall be achieved at stream flows equal to or exceeding Q_{7-10} . For streams where the Q_{7-10} flow is estimated to be zero, water quality criteria shall be achieved at the first downstream point where the stream is capable of supporting designated water uses, as defined in § 93.4 (relating to Statewide water uses).

(2) The Department may impose more restrictive design stream flow conditions where, in its judgment, the conditions are necessary for the protection of designated water uses.

(3) In establishing effluent limitations based on water quality criteria in this chapter, the Department may consider design conditions including, but not limited to, temperature, pH and hardness. The combination of design conditions shall provide a minimum 99% level of protection.

(c) *Application of ambient stream concentrations.* Where adopted water quality criteria as set forth in § 93.9 (relating to designated water uses and water quality criteria) are more stringent than ambient stream concentrations of specific water quality indicators, the ambient stream concentrations shall be deemed to be the applicable criteria used to establish specific effluent limits.

(d) *Application of osmotic pressure criterion for protection of aquatic life.* To protect aquatic life and irrigation where it occurs, the amount and composition of total dissolved solids in discharges into the surface waters of this Commonwealth

shall be controlled so that the osmotic pressure of the receiving waters does not exceed either the criteria listed in paragraphs (1) or (2):

(1) Fifty milliosmoles per kilogram at any time.

(2) A less stringent osmotic pressure criterion established and based upon data obtained from bioassay or aquatic field studies conducted in accordance with the methodologies specified in subparagraphs (i) or (ii) respectively. In either case, the discharger shall submit a plan proposing the studies to be conducted; progress reports as the Department may require; and a report of the completed results of the testing including data collected and calculations made in recording, evaluating and interpreting the data. The alternate methodologies are as follows:

(i) *Bioassays.* Data shall be obtained from continuous flow bioassay tests conducted in a water environment which is equal to or closely approximates that of the natural quality of the receiving waters. A safe osmotic pressure for a test solution which simulates projected instream conditions will be determined by establishment of a no-effect level—maximum acceptable toxicant concentration—or by the determination of an experimentally derived application factor which would be applied to a 96-hour LC_{50} bioassay test result utilizing one or more representative important species of benthic macroinvertebrates and fishes obtained from commercially available strains or wild populations from unpolluted streams or impoundments. Remaining bioassay testing protocol shall be conducted in accordance with continuous flow methodologies outlined in EPA Ecological Research Series Publication, *EPA-660/3-75-009, Methods of Acute Toxicity Tests with Fish, Macroinvertebrates, and Amphibians (April, 1975)*; EPA Environmental Monitoring Series Publication, *EPA-600/4-78-012, Methods for Measuring the Acute Toxicity of Effluents to Aquatic Organisms (July, 1978)*; *Standard Methods for the Examination of Water and Wastewater (15th Edition, 1980)*; *Standard Method of Test for ASTM D 1345-59 (Reapproved 1970 and published in the 1975 Annual Book of ASTM Standards)—Part 31—Water*; or *Biological Methods for the Assessment of Water Quality, ASTM Special Technical Publication 528, 1973*. The use of other methodologies is subject to prior written approval by the Department.

(ii) *Aquatic field studies.* The studies may be used when the stream above the source of total dissolved solids supports a balanced, indigenous aquatic community. Instream sampling stations shall be located directly upstream and downstream of the source of total dissolved solids and free of harm from other abatable point and nonpoint sources of pollution. Biological parameters including, but not limited to, benthic macroinvertebrates and fishes, shall be collected qualitatively or quantitatively, or both, on a quarterly basis for a minimum of 1 year. Sample replication should be adequate to determine precision of the data collected and to conduct appropriate statistical tests. Remaining biological field methods shall be conducted in accor-

dance with *Standard Methods for the Examination of Water and Wastewater (15th Edition, 1980)*; *EPA-Biological Field and Laboratory Methods for Measuring the Quality of Surface Waters and Effluents, EPA-670/4-73-001, July, 1973, Cornelius I. Weber, ed*; *Techniques of Water Resources Investigations of the United States Geological Survey, Chapter A4, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples by K. V. Slack, et al, 1973*; *EPA-Model State Water Monitoring Program, edited by Water Monitoring Task Force, R. L. Crim, Chairman, EPA-440/9-74-002, June, 1975*. It shall be demonstrated that the existing point source discharge of total dissolved solids will not result in a demonstrable adverse effect on the ecological community structure when upstream and downstream biological data are compared.

(e) *Application of potable water supply use criteria.*

(1) Water quality criteria for total dissolved solids (TDS₁), nitrite-nitrate nitrogen (N), phenolics (Phen₁) and fluoride (F₁) established for the protection of Statewide potable water use shall be applied so instream criteria are met at the point of withdrawal for existing potable water supply systems, and at the point of projected withdrawal for new potable water supplies identified by the State Water Plan or a river basin commission plan as necessary to satisfy the demands of an existing or new potable water supply within the next 20 years. Criteria necessary to protect other designated uses shall be met at the point of wastewater discharge.

(2) The Department will include in every public notice of a draft NPDES permit published under § 92.61 (relating to public notice of permit application and public hearing) the location of the nearest downstream potable water supply considered in establishing proposed effluent limitations under this section, or a finding that no potable water supply will be affected by the proposed discharge.

(3) Wastewater discharges to waters designated for special protection in § 93.9 will continue to be regulated under § 95.1 (relating to general requirements).

(4) Whenever a point of projected withdrawal for a new potable water supply not previously considered is identified by an update to the State Water Plan or a river basin commission plan, or by the application for a water allocation permit from the Department, the Department will notify a discharger of total dissolved solids, nitrite-nitrate nitrogen, phenolics and fluoride of more stringent effluent limitations needed to protect the point of withdrawal. The discharger shall meet more stringent effluent limitations in accordance with a schedule approved by the Department. The Department will issue orders directing dischargers to achieve compliance, when necessary.

(f) *Application of total residual chlorine (TRC) criteria.*

(1) Except as provided in paragraph (2), facilities utilizing chlorine which discharge to waters of this Commonwealth shall meet the more stringent of the following:

(i) An effluent limitation representing the Best Available Technology (BAT) for the discharge of TRC. If the EPA adopts a National categorical effluent limit guideline (ELG) for TRC for a specific industry or activity under sections 301 and 304(b) of the Water Pollution Control Act (33 U.S.C.A. §§ 1311 and 1314(b)), that ELG shall constitute BAT for the industry or activity. If the EPA has not promulgated a National ELG for an industry or activity, the Department may develop a facility-specific BAT effluent limitation. Factors which will be considered in developing a facility-specific BAT effluent limitation include the age of equipment and facilities involved, the process employed, the engineering aspects of the application of various types of control techniques and process changes (including source reduction measures in addition to end-of-pipe controls), the cost of achieving the effluent reduction, nonwater quality environmental impact (including energy requirements), and other factors the Department deems appropriate. For facilities where the EPA has not promulgated a National ELG for an industry or activity, and the Department has not developed a facility-specific BAT effluent limitation pursuant to the factors in this subparagraph, an effluent limitation for TRC of 0.5 mg/l (30-day average) shall constitute BAT.

(ii) A water-quality based effluent limitation for a facility developed in accordance with subsections (a) and (b), as applicable, which attains the water quality criteria for TRC specified in § 93.7(c), Table 3 (relating to specific water quality criteria).

(2) Facilities utilizing chlorine which discharge to Exceptional Value Waters, as defined in § 93.3 (relating to protected water uses), or High Quality Waters, as defined in § 93.3, where necessary economic or social justification of significant public value and other factors have not been demonstrated under § 95.1(b), shall dechlorinate their effluents prior to discharge into the waters.

(3) For facilities subject to paragraph (1)(ii), the Department may allow site-specific criteria under § 93.8 (relating to development of site-specific water quality criteria for the protection of aquatic life).

(4) Facilities which have discharges containing fecal coliform organisms shall effectively disinfect their discharges under § 95.7 (relating to effective disinfection).

Authority

The provisions of this § 93.5 amended under sections 5 and 402 of the act of June 22, 1937 (P. L. 1987, No. 394) (35 P. S. §§ 691.5 and 691.402); and section 1920-A of the act of April 9, 1929 (P. L. 177, No. 175) (71 P. S. § 510-20).

Source

The provisions of this § 93.5 amended through February 15, 1985, effective February 16, 1985, 15 Pa.B. 544; amended March 10, 1989, effective March 11, 1989, 19 Pa.B. 968; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832. Immediately preceding text appears at serial pages (167771) to (167774).

Notes of Decisions

The Department of Environmental Resources was not required to consider the economic consequences to a discharger in establishing water quality based effluent limitations in a National Pollutant Discharge Elimination System (NPDES) Permit. *Mathies Coal Co. v. Department of Environmental Resources*, 559 A.2d 506, 511 (Pa. 1989).

The water quality criteria do not preclude the allowance of a reasonable mixing zone if there is no significant effect on the ambient temperature of the stream outside the mixing zone. *In re West Penn Power Co.*, 74 Pa. D. & C.2d 627, 649 (1975).

Cross References

This section cited in 25 Pa. Code § 93.7 (relating to specific water quality criteria); 25 Pa. Code § 93.8 (relating to development of site-specific water quality criteria for the protection of aquatic life); 25 Pa. Code § 93.8a (relating to toxic substances); 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria); 25 Pa. Code § 95.3 (relating to waste load allocations); and 25 Pa. Code § 97.82 (relating to allowable discharges).

§ 93.6. General water quality criteria.

(a) Water may not contain substances attributable to point or nonpoint source waste discharges in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life.

(b) In addition to other substances listed within or addressed by this chapter, specific substances to be controlled include, but are not limited to, floating materials, oil, grease, scum and substances which produce color, tastes, odors, turbidity or settle to form deposits.

Authority

The provisions of this § 93.6 amended under sections 5 and 402 of the act of June 22, 1937 (P. L. 1987, No. 394) (35 P. S. §§ 691.5 and 691.402); and section 1920-A of the act of April 9, 1929 (P. L. 177, No. 175) (71 P. S. § 510-20).

Source

The provisions of this § 93.6 amended March 10, 1989, effective March 11, 1989, 19 Pa.B. 968. Immediately preceding text appears at serial page (117617).

Notes of Decisions

Denial of an application for a mine drainage permit cannot be based solely on the ground that the watershed has been designated a conservation area, but must be reviewed on the basis of whether its proposed operation would discharge an effluent which would result in the degradation of the water quality of a stream in terms of its protected uses designated under this section. *Doraville Enterprises v. Commonwealth*, 73 Pa. D. & C.2d 635, 645, 646 (1975).

The water quality criteria do not preclude the allowance of a reasonable mixing zone if there is no significant effect on the ambient temperature of the stream outside the mixing zone. *In re West Penn Power Co.*, 74 Pa. D. & C.2d 627, 649 (1975).

Cross References

This section cited in 25 Pa. Code § 71.64 (relating to small flow treatment facilities); and 25 Pa. Code § 95.1 (relating to general requirements).

§ 93.7. Specific water quality criteria.

(a) Waters of this Commonwealth for which specific criteria have been established are listed in § 93.9 (relating to designated water uses and water quality criteria).

(b) References to specific criteria in § 93.9 shall be keyed to the list of specific criteria in subsection (c) and to the groups of criteria in subsection (d).

(c) The following Table 3 displays the specific water quality criteria. Unless otherwise specified, the specific criteria concentration limits are for the total, rather than the dissolved, form of a substance.

TABLE 3

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
Aluminum	Al	Maximum 0.1 of the 96-hour LC ₅₀ for representative important species as determined through substantial available literature data or bioassay tests tailored to the ambient quality of the receiving waters.	1
Alkalinity	Alk ₁	Minimum 20 mg/l as CaCO ₃ , except where natural conditions are less. Where discharges are to waters with 20 mg/l or less alkalinity, the discharge should not further reduce the alkalinity of the receiving waters.	1
	Alk ₂	Minimum 20 mg/l as CaCO ₃ .	1
	Alk ₃	Between 20 and 100 mg/l.	DRBC
	Alk ₄	Between 20 and 120 mg/l.	DRBC
Ammonia Nitrogen	Am	The maximum total ammonia nitrogen concentration at all times shall be the numerical value given by: un-ionized ammonia nitrogen (NH ₃ -N) × (log ⁻¹ [pK _T -pH] + 1), where: un-ionized ammonia nitrogen = 0.12 × f(T)/f(pH) f(pH) = 1 + 10 ^{1.03(7.32-pH)} f(T) = 1, T ≥ 10°C f(T) = $\frac{1 + 10^{(9.73-pH)}}{1 + 10^{(pK_T-pH)}}$, T < 10°C	1

Parameter	Symbol	Criteria	Critical Use*
		<p>and</p> $pK_T = 0.090 + \left[\frac{2730}{(T + 273.2)} \right]$ <p>, the dissociation constant for ammonia in water.</p> <p>The average total ammonia nitrogen concentration over any 30 consecutive days shall be less than or equal to the numerical value given by: un-ionized ammonia nitrogen (NH₃-N) × (log⁻¹[pK_T-pH] + 1), where:</p> <p>un-ionized ammonia nitrogen = 0.025 × f(T)/f(pH)</p> <p>f(pH) = 1, pH ≥ 7.7 f(pH) = 10^{0.74(7.7-pH)}, pH < 7.7 f(T) = 1, T ≥ 10°C f(T) = $\frac{1 + 10^{(9.73-pH)}}{1 + 10^{(pK_T-pH)}}$, T < 10°C</p> <p>The pH and temperature used to derive the appropriate ammonia criteria shall be determined by one of the following methods:</p> <ol style="list-style-type: none"> 1) Instream measurements, representative of median pH and temperature—July through September. 2) Estimates of median pH and temperature—July through September—based upon available data or values determined by the Department. <p>For purposes of calculating effluent limitations based on this value the accepted design stream flow shall be the actual or estimated lowest 30-consecutive-day average flow that occurs once in 10 years.</p>	
Bacteria	Bac ₁	<p>During the swimming season (May 1 through September 30), the maximum fecal coliform level shall be a geometric mean of 200 per 100 milliliters (ml) based on five consecutive samples each sample collected on different days; for the remainder of the year, the maximum fecal coliform level shall be a geometric mean of 2,000 per 100 milliliters (ml) based on five consecutive samples collected on different days.</p>	3
	Bac ₂	<p>(Coliforms/100 ml)—Maximum of 5,000/100 ml as a monthly average value, no more than this number in more than 20% of the samples collected during a month, nor more than 20,000/100 ml in more than 5% of the samples.</p>	2

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Bac ₃	(Coliforms/100 ml)—Not more than 5,000/100 ml as a monthly geometric mean.	2
	Bac ₄	(Fecal Coliforms/100 ml)—Maximum geometric mean of 770/100 ml; samples shall be taken at a frequency and location to permit valid interpretation.	DRBC
	Bac ₅	The fecal coliform density in five consecutive samples may not exceed a geometric mean of 200/100 ml.	DRBC
Chloride	Ch ₁	Maximum 150 mg/l.	4
	Ch ₂	Maximum 250 mg/l.	2
	Ch ₃	Maximum 30-day average 180 mg/l.	DRBC
	Ch ₄	Maximum 15-day average 50 mg/l.	DRBC
Color	Col ₁	Maximum 50 units on the platinum-cobalt scale; no other colors perceptible to the human eye.	3
	Col ₂	Maximum 75 units on the platinum-cobalt scale; no other colors perceptible to the human eye.	2
Dissolved Oxygen	DO ₁	Minimum daily average 6.0 mg/l; minimum 5.0 mg/l. For lakes, ponds and impoundments only, minimum 5.0 mg/l at any point.	1
	DO ₂	Minimum daily average 5.0 mg/l; minimum 4.0 mg/l. For the epilimnion of lakes, ponds and impoundments, minimum daily average of 5.0 mg/l, minimum 4.0 mg/l.	1
	DO ₃	Minimum daily average not less than 5.0 mg/l; during periods April 1—June 15 and September 16—December 31, not less than 6.5 mg/l as a seasonal average.	DRBC
	DO ₄	Minimum daily average not less than 3.5 mg/l; during periods April 1—June 15 and September 16—December 31, not less than 6.5 mg/l as a seasonal average.	DRBC
	DO ₅	For the period February 15 to July 31 of any year, minimum daily average of 6.0 mg/l, minimum 5.0 mg/l. For the remainder of the year, minimum daily average of 5.0 mg/l, minimum 4.0 mg/l.	1
	DO ₆	Minimum 7.0 mg/l.	1
Fluoride	F ₁	Daily average 2.0 mg/l.	2
	F ₂	Four-day average 0.01 of the 96-hour LC ₅₀ ; one-hour average 0.05 of the 96-hour LC ₅₀ for representative important species as determined through substantial available literature data or bioassay tests tailored to the ambient quality of the receiving water, or both.	1

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
Hardness	Hd ₁	Maximum monthly mean 150 mg/l.	DRBC
	Hd ₂	Maximum monthly mean 95 mg/l.	DRBC
Iron	Fe	Daily average 1.5 mg/l as total iron; maximum 0.3 mg/l as dissolved iron.	1,2
		Maximum 1.0 mg/l.	2
Manganese	Mn	Maximum 1.0 mg/l.	2
Methylene Blue Active Substance	MBAS ₁	Not more than 0.5 mg/l.	DRBC
	MBAS ₂	Not more than 1.0 mg/l.	DRBC
Nitrite plus Nitrate	N	Maximum 10 mg/l as nitrogen.	2
Osmotic Pressure	OP	Maximum 50 milliosmoles per kilogram or criteria developed using § 93.5(d) (relating to the application of water quality criteria to discharge of pollutants).	1
pH	pH ₁	From 6.0 to 9.0 inclusive.	1
	pH ₂	Not less than 6.5 and not more than 8.5.	DRBC
	pH ₃	From 7.0 to 9.0 inclusive.	1
	pH ₄	Not less than 6.0 and not more than 8.5.	DRBC
Phenolics (except Section 307(a)(1) (33 U.S.C.A. § 1317(a)(1)), Priority Pollutants)	Phen ₁	Maximum 0.005 mg/l.	2
	Phen ₂	Maximum 0.02 mg/l.	DRBC
	Phen ₃	Four-day average 0.02 mg/l; 1-hour average 0.1 mg/l.	1
Radioactivity	Rad	Alpha emitters, maximum 3 pc/l; beta emitters, maximum 1,000 pc/l.	DRBC
Sulfate	Sul	Maximum 250 mg/l.	2
Temperature	Temp ₁	Maximum temperatures in the receiving water body resulting from heated waste sources regulated under Chapter 97 (relating to industrial wastes), and other sources where the Department determines that temperature limits are necessary to protect designated uses, are as follows. Additionally, these wastes may not result in a change by more than 2°F during a 1-hour period. Exceptions to these thermal maxima may be granted on a case-specific basis under § 97.82(a)(2) (relating to allowable discharges).	1

<i>Period</i>	<i>Temperature °F</i>
January 1-31	38
February 1-29	38
March 1-31	42
April 1-15	48
April 16-30	52
May 1-15	54
May 16-31	58
June 1-15	60
June 16-30	64
July 1-31	66
August 1-31	66
September 1-15	64
September 16-30	60
October 1-15	54
October 16-31	50
November 1-15	46
November 16-30	42
December 1-31	40

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
Temperature	Temp ₂	Maximum temperatures in the receiving water body resulting from heated waste sources regulated under Chapter 97, and other sources where the Department determines that temperature limits are necessary to protect designated uses, are as follows. Additionally, these wastes may not result in a change by more than 2°F during a 1-hour period. Exceptions to these thermal maxima may be granted on a case-specific basis under § 97.82(a)(2).	

<i>Period</i>	<i>Temperature °F</i>
January 1-31	40
February 1-29	40
March 1-31	46
April 1-15	52
April 16-30	58
May 1-15	64
May 16-31	72
June 1-15	80
June 16-30	84
July 1-31	87
August 1-31	87
September 1-15	84

<i>Period</i>	<i>Temperature °F</i>
September 16-30	78
October 1-15	72
October 16-31	66
November 1-15	58
November 16-30	50
December 1-31	42

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
Temperature	Temp ₃	Maximum temperatures in the receiving water body resulting from heated waste sources regulated under Chapter 97, and other sources where the Department determines that temperature limits are necessary to protect designated uses, are as follows. Additionally, these wastes may not result in a change by more than 2°F during a 1-hour period. Exceptions to these thermal maxima may be granted on a case-specific basis under § 97.82(a)(2).	1

<i>Period</i>	<i>Temperature °F</i>
January 1-31	40
February 1-29	40
March 1-31	46
April 1-15	52
April 16-30	58
May 1-15	64
May 16-31	68
June 1-15	70
June 16-30	72
July 1-31	74
August 1-15	80
August 16-30	87
September 1-15	84
September 16-30	78
October 1-15	72
October 16-31	66
November 1-15	58
November 16-30	50
December 1-31	42

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Temp ₄	No rise when ambient temperature is 87°F or above; not more than a 5°F rise above ambient temperature until stream temperature reaches 87°F; not to be changed by more than 2°F during any 1-hour period.	DRBC
	Temp ₅	Not more than 5°F above the average daily temperature during the 1961-66 period, which is shown below, or a maximum of 86°F, whichever is less.	DRBC

Average Daily Temperature

1961—1966

(Temperatures may be interpolated)

<i>Date</i>	<i>Delaware Estuary, Head of Tide to River Mile 108.4 (about 1 mile below Pennypack Creek)</i>	<i>Delaware Estuary, River Mile 108.4 (about 1 mile below Pennypack Creek) to Big Timber Creek</i>	<i>Delaware Estuary From Big Timber Creek To Pennsylvania- Delaware State Line</i>
	°F	°F	°F
January 1	37	41	42
February 1	35	35	36
March 1	38	38	40
April 1	46	46	47
May 1	58	58	58
June 1	71	71	72
July 1	79	79	80
August 1	81	81	81
September 1	78	79	78
September 15	76	77	78
October 1	70	70	70
November 1	59	61	60
December 1	46	50	50
December 15	40	45	45

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Temp ₆	Not more than 5°F rise above the ambient temperatures until stream temperatures reach 50°F; nor more than 2°F rise above ambient temperature when temperatures are between 50°F and 58°F; nor may temperatures exceed 58°F, whichever is less, except in designated heat dissipation areas.	DRBC

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Temp ₇	As a guideline, the maximum length of heat dissipation areas may not be longer than 3,500 feet measured from the point where the waste discharge enters the stream. The width of heat dissipation areas may not exceed two-thirds the surface width measured from shore to shore at any stage of tide or the width encompassing one-fourth the cross-sectional area of the stream, whichever is less. Within any one heat dissipation area only one shore shall be used in determining the limits of the area. Where waste discharges are close to each other, additional limitations may be prescribed to protect water uses. Controlling temperatures shall be measured outside the heat dissipation area. The rate of temperature change in the heat dissipation area may not cause mortality of the fish	DRBC
	Temp ₈	As a guideline, the maximum length of heat dissipation areas may not be longer than 3,500 feet or 20 times the average stream width, whichever is less, measured from the point where the waste discharge enters the stream. Heat dissipation areas may not exceed one-half the surface stream width or the width encompassing one-half the cross-sectional area of the stream, whichever is less. Within any one heat dissipation area only one shore may be used in determining the limits of the area. Where waste discharges are close to each other, additional limitations may be prescribed to protect stream uses. Controlling temperatures shall be measured outside the heat dissipation zone. The rate of temperature change in designated heat dissipation areas may not cause mortality of the fish.	DRBC

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Temp ₉	As a guideline, the maximum length of heat dissipation areas may not be longer than 1,000 feet or 20 times the average width of the stream, whichever is less, measured from the point where the waste discharge enters the stream. Heat dissipation areas may not exceed one-half the surface stream width or the width encompassing one-half the entire cross-sectional area of the stream, whichever is less. Within any one heat dissipation area only one shore shall be used in determining the limits of the area. Where waste discharges are close to each other, additional limitations may be prescribed to protect water uses. Controlling temperatures shall be measured outside the heat dissipation zone. The rate of temperature change in designated heat dissipation areas may not cause mortality of the fish.	DRBC
Threshold Odor Number	TON	Maximum 24 at 60°C.	3
Total Dissolved Solids	TDS ₁	500 mg/l as a monthly average value; maximum 750 mg/l.	2
	TDS ₂	Maximum 1,500 mg/l.	1
	TDS ₃	Not to exceed 133% of ambient stream concentration or 500 mg/l, whichever is less.	DRBC
	TDS ₄	Not to exceed 133% of ambient stream concentration.	DRBC
Total Residual Chlorine	TRC	Four-day average 0.011 mg/l; 1-hour average 0.019 mg/l.	1
Turbidity	Tur ₁	Not more than 30 NTU during the period May 30—September 15, nor more than a monthly mean of 40 NTU or a maximum of 150 NTU during the remainder of the year.	DRBC
	Tur ₂	Maximum monthly mean 40 NTU, maximum value not more than 150 NTU.	DRBC
	Tur ₃	Not more than 100 NTU.	1
	Tur ₄	For the period May 15—September 15 of any year, not more than 40 NTU; for the period September 16—May 14 of any year, not more than 100 NTU.	1
	Tur ₅	Maximum monthly mean of 10 NTU, maximum 150 NTU.	DRBC

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
	Tur ₆	Maximum monthly mean of 20 NTU, maximum 150 NTU.	DRBC
	Tur ₇	Maximum monthly mean of 30 NTU, maximum 150 NTU.	DRBC

*Critical use: The most sensitive designated water use the criteria are intended to protect, identified by the following:

- 1 = Aquatic Life
- 2 = Water Supply
- 3 = Recreation (including esthetics)
- 4 = Special Protection

DRBC = Criteria adopted by agreement with the Delaware River Basin Commission and that apply only to selected portions of the Delaware River Basin in this Commonwealth.

(d) Unless otherwise specified in subsection (e), §§ 93.5(d) and (e) and 93.9, Statewide specific criteria in the following Table 4 apply to the surface waters of this Commonwealth:

TABLE 4

<i>Symbol</i>	<i>Specific Water Quality Criteria</i>
Al	Aluminum
Alk ₁	Alkalinity
Am	Ammonia Nitrogen
Bac ₁	Bacteria
F ₁ & F ₂	Fluoride
Fe	Iron
Mn	Manganese
N	Nitrite plus Nitrate
OP	Osmotic Pressure
pH ₁	pH
Phen ₁ & Phen ₃	Phenolics
TDS ₁	Total Dissolved Solids
TRC	Total Residual Chlorine

(e) Table 5 contains groups of specific water quality criteria based upon water uses to be protected. When the symbols listed in Table 5 appear in the *Water Uses Protected* column in § 93.9, they have the meaning listed in the Table 5. 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 5

<i>Symbol</i>	<i>Water Uses Included</i>	<i>Specific Criteria</i>
WWF	Statewide list	Statewide list plus DO ₂ and Temp ₂
CWF	Statewide list plus Cold Water Fish	Statewide list plus DO ₁ and Temp ₁
TSF	Statewide list plus Trout Stocking	Statewide list plus DO ₅ and Temp ₃
HQ-WWF	Statewide list plus High Quality Waters	Statewide list plus DO ₁ and Temp ₂
HQ-CWF	Statewide list plus High Quality Waters and Cold Water Fish	Statewide list plus DO ₆ and Temp ₁
HQ-TSF	Statewide list plus High Quality Waters and Trout Stocking	Statewide list plus DO ₁ and Temp ₃
EV	Statewide list plus Exceptional Value Waters	Existing quality

(f) The list of specific water quality criteria does not include all possible substances that could cause pollution. For substances not listed, the general criterion that these substances may not be inimical or injurious to the designated water uses applies. The best scientific information available will be used to adjudge the suitability of a given waste discharge where these substances are involved.

Authority

The provisions of this § 93.7 amended under sections 5 and 402 of The Clean Streams Law (35 P. S. §§ 691.5 and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.7 amended through March 8, 1985, effective February 16, 1985, 15 Pa.B. 907; amended March 10, 1989, effective March 11, 1989, 19 Pa.B. 968; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832; amended April 3, 1998, effective November 4, 1995, 28 Pa.B. 1633. Immediately preceding text appears at serial pages (199293) to (199302) and (239691) to (239692).

Notes of Decisions

The Department of Environmental Resources is not required to consider the economic consequences to a discharger in establishing water-quality based effluent limitations in a National Pollutant Discharge Elimination System (NPDES) Permit. *Mathies Coal Company v. Department of Environmental Resources*, 559 A.2d 506, 511 (Pa. 1989).

The water quality standards in 25 Pa. Code § 93.7 are to be considered only as one of the major factors in developing discharge limitations, and neither these standards nor effluent limitations based

on them in case-by-case DER determinations require a presumption of validity. *Lucas v. Department of Environmental Resources*, 53 Pa. Commw. 598, 606, 420 A.2d 1, 8 (1980).

Cross References

This section cited in 25 Pa. Code § 93.5 (relating to application of water quality criteria to discharge of pollutants); 25 Pa. Code § 93.8 (relating to development of site-specific water quality criteria for the protection of aquatic life); and 25 Pa. Code § 97.82 (relating to allowable discharges).

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

(a) The Department will consider a request for site-specific criteria for protection of aquatic life, human health or wildlife when a person demonstrates that there exist site-specific biological or chemical conditions of receiving waters or exposure factors which differ from conditions upon which the water quality criteria were based. Site specific criteria may be developed for use only in place of current Statewide or regional (such as the Great Lakes System) criteria. The request for site specific criteria shall include the results of scientific studies for the purpose of:

(1) Defining the areal boundaries for application of the site-specific criteria which will include the potentially affected wastewater dischargers identified by the Department, through various means, including, but not limited to, water quality modeling, the wasteload allocation process or biological assessments.

(2) Developing site-specific criteria which protect its existing use and designated use.

(b) Scientific studies shall be performed in accordance with the procedures and guidance in the Water Quality Standards Handbook (EPA 1994), as amended and updated, guidance provided by the Department or other scientifically defensible methodologies approved by the Department.

(c) This section applies to the criteria in regulations adopted by the EQB, including § 93.5(f) (relating to application of total residual chlorine criteria); § 93.7, Table 3 (relating to specific water quality criteria) or in the statement of policy implementing § 93.8a (relating to toxic substances) set forth at § 16.51 (relating to table) and § 16.61 (relating to special provisions for the Great Lakes System); or otherwise forming the basis for effluent limitations established under § 93.7(f). These provisions include criteria developed by the EPA under section 304(a) of the Water Pollution Control Act (33 U.S.C.A. § 1314(a)), and adopted in their original or modified form, and criteria developed by the Department.

(d) Prior to conducting studies specified in subsections (a) and (b), a proposed plan of study shall be submitted to and approved by the Department.

(e) Signed copies of all reports including toxicity test data shall be submitted to the Department within 30 days of completion of the tests.

(f) If as a result of its review of the report submitted, the Department determines that a site-specific criterion is appropriate, the Department will, for site-specific changes to criteria in § 93.5(f) or § 93.7, prepare a recommendation to the EQB in the form of proposed rulemaking, incorporating that criterion for the

water body segment. The site-specific changes to the criteria will become effective for the water body segment following adoption by the EQB as final rulemaking and publication in the *Pennsylvania Bulletin*.

(g) A person challenging a Department action under this section shall have the burden of proof to demonstrate that the Department's action does not meet the requirements of this section.

Authority

The provisions of this § 93.8 amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.8 amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6799. Immediately preceding text appears at serial pages (199304) and (203645).

Cross References

This section cited in 25 Pa. Code § 93.5 (relating to application of water quality criteria to discharge of pollutants).

§ 93.8a. Toxic substances.

(a) The waters of this Commonwealth may not contain toxic substances attributable to point or nonpoint source waste discharges in concentrations or amounts that are inimical to the water uses to be protected.

(b) Water quality criteria for toxic substances shall be established under Chapter 16 (relating to water quality toxics management strategy—statement of policy) wherein the criteria and analytical procedures will also be listed. Chapter 16 along with changes made to it is hereby specifically incorporated by reference.

(c) Water quality criteria for toxics substances which exhibit threshold effects will be established by application of margins of safety to the results of toxicity testing to prevent the occurrence of a threshold effect.

(d) Nonthreshold carcinogenic effects of toxic substances, will be controlled to a risk management level of one excess case of cancer in a population of one million (1×10^{-6}) over a 70-year lifetime. Other nonthreshold effects of toxic substances will be controlled at a risk management level as determined by the Department.

(e) Design conditions for toxics shall be determined under § 93.5(b) (relating to application of water quality criteria to discharge of pollutants), except that for carcinogens, the design stream flow shall be that which results in a lifetime—70 years—average exposure corresponding to the risk management level specified in subsection (d).

(f) The Department will consider both the acute and chronic toxic impacts to aquatic life and human health.

(g) The Department may consider synergistic, antagonistic and additive toxic impacts.

(h) The Department may require effluent toxicity testing as a basis for limiting the addition of toxic substances to waters of this Commonwealth, and may establish water quality based effluent limitations based on the results of effluent toxicity testing.

(i) At intervals not exceeding 1 year, the Department will publish a new or revised water quality criteria for toxic substances, and revised procedures for criteria development in the *Pennsylvania Bulletin*.

(j) A person challenging criteria established by the Department under this section shall have the burden of proof to demonstrate that the criteria does not meet the requirements of this section. In addition, a person who proposes an alternative site-specific criterion shall have the burden of proof to demonstrate that the site specific criterion meets the requirements of this section.

(k) The requirements for discharges to and antidegradation requirements for the Great Lakes System are as follows.

(1) *Definitions.* The following words and terms, when used in this section, have the following meanings, unless the context clearly indicates otherwise:

BAF—Bioaccumulation Factor—The ratio in liters per kilogram of a substance's concentration in tissues of an aquatic organism to its concentration in the ambient water, when both the organism and its food are exposed and the ratio does not change substantially over time.

BCC—Bioaccumulative Chemical of Concern—A chemical that has the potential to cause adverse effects which, upon entering the surface waters, by itself or its toxic transformation product, accumulates in aquatic organisms by a human health BAF greater than 1000, after considering metabolism and other physiochemical properties that might enhance or inhibit bioaccumulation, under the methodology in 40 CFR Part 132 Appendix B (relating to Great Lakes Water Quality Initiative). Current BCCs are listed in 40 CFR 132.6, Table 6, Subpart A (relating to pollutants of initial focus in the Great Lakes Water Quality Initiative).

Great Lakes System—The streams, rivers, lakes and other bodies of surface water within the drainage basin of the Great Lakes in this Commonwealth.

Open Waters of the Great Lakes—The waters within the Great Lakes in this Commonwealth lakeward from a line drawn across the mouth of the tributaries to the lakes, including the waters enclosed by constructed breakwaters, but not including the connecting channels.

(2) *Total Maximum Daily Loads (TMDLs).* TMDLs for Open Waters of the Great Lakes shall be derived following the procedures in 40 CFR Part 132, Appendix F, Procedure 3, Subpart D (relating to Great Lakes Water Quality Initiative implementation procedures), including all other subparts referenced in Subpart D, except Subpart C.

(3) Statewide antidegradation requirements in Chapters 93 and 95 (relating to water quality standards; and wastewater treatment requirements) and in the Federal regulation in 40 CFR 131.32(a) (relating to Pennsylvania) as applicable, apply to all surface waters of the Great Lakes System.

(4) If, for any BCC, the Quality of the surface water exceeds the levels necessary to support the propagation of fish, shellfish, and wildlife and recreation in and on the waters, that quality shall be maintained and protected, unless the Department finds that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the surface water is located.

Authority

The provisions of this § 93.8a issued under sections 5 and 402 of The Clean Streams Law (35 P. S. §§ 691.5 and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.8a adopted March 10, 1989, effective March 11, 1989, 19 Pa.B. 968; amended December 26, 1997, effective December 27, 1997, 27 Pa.B. 6799. Immediately preceding text appears at serial pages (203645) to (203646).

Cross References

This section cited in 25 Pa. Code § 16.33 (relating to nonthreshold effects (cancer)); and 25 Pa. Code § 93.8 (relating to development of site-specific water quality criteria for the protection of aquatic life).

§ 93.9. Designated water uses and water quality criteria.

(a) Except as provided in § 93.5(d) and (e) (relating to the application of water quality criteria to discharge of pollutants), the tables in §§ 93.9a—93.9z display designated water uses and water quality criteria. The county column in §§ 93.9a—93.9z indicates the county in which the mouth of the stream is located. Abbreviations used in the “Zone” column are as follows:

- T — Township Road
- LR — Pennsylvania Legislative Route
- SR — Pennsylvania State Route
- FAS — Federal Aid Secondary Highway
- US — United States Federal Route
- I — Interstate Highway
- RM — River Mile; River miles are used to indicate the distance from a point on the waterbody to its mouth and are based on the Department’s River Mile Index

(b) With respect to hydrological order, the numbers appearing on the left-hand column of the drainage lists represent stream entries to aid in identifying

hydrological order: 1 identifies the most downstream hydrologic order; 2 is tributary to 1; 3 is tributary to 2, and so on.

(c) An overview appears as follows:

Delaware River Basin

- § 93.9a. Drainage List A. PA-NY State Border to Lackawaxen River.
- § 93.9b. Drainage List B. Lackawaxen River Basin.
- § 93.9c. Drainage List C. Lackawaxen River to Lehigh River.
- § 93.9d. Drainage List D. Lehigh River Basin.
- § 93.9e. Drainage List E. Lehigh River to Schuylkill River.
- § 93.9f. Drainage List F. Schuylkill River Basin.
- § 93.9g. Drainage List G. Schuylkill River to PA-DE State Border.

Susquehanna River Basin

- § 93.9h. Drainage List H. Tioga River Basin.
- § 93.9i. Drainage List I. PA-NY State Border to Lackawanna River.
- § 93.9j. Drainage List J. Lackawanna River Basin.
- § 93.9k. Drainage List K. Lackawanna River to West Branch.
- § 93.9l. Drainage List L. West Branch Susquehanna River Basin.
- § 93.9m. Drainage List M. West Branch to Juniata River.
- § 93.9n. Drainage List N. Juniata River Basin.
- § 93.9o. Drainage List O. Juniata River to PA-MD State Border.

Ohio River Basin

- § 93.9p. Drainage List P. Allegheny River Basin, PA-NY State Border to Tunungwant Creek.
- § 93.9q. Drainage List Q. Allegheny River Basin, Tunungwant Creek to Clarion River.
- § 93.9r. Drainage List R. Clarion River Basin.
- § 93.9s. Drainage List S. Allegheny River Basin, Clarion River to Kiskiminetas River.
- § 93.9t. Drainage List T. Kiskiminetas River Basin.
- § 93.9u. Drainage List U. Allegheny River Basin, Kiskiminetas River to Monongahela River.
- § 93.9v. Drainage List V. Monongahela River Basin.
- § 93.9w. Drainage List W. Confluence of Monongahela and Allegheny Rivers to PA-OH State Border.

Lake Erie

- § 93.9x. Drainage List X. Lake Erie Basin.

Genesee River Basin

- § 93.9y. Drainage List Y. Genesee River Basin.

Potomac River Basin

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

Authority

The provisions of this § 93.9 amended under sections 5 and 402 of The Clean Streams Law (35 P. S. §§ 691.5 and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.9 amended through September 4, 1987, effective September 5, 1987, 17 Pa.B. 3602 and 3604; amended September 9, 1988, effective September 10, 1988, 18 Pa.B. 4089; amended November 25, 1988, effective November 26, 1988, 18 Pa.B. 5260; corrected December 9, 1988, effective November 26, 1988, 18 Pa.B. 5260; amended March 10, 1989, effective March 11, 1989, 19 Pa.B. 968; corrected March 24, 1989, effective February 25, 1989, 19 Pa.B. 1288; amended May 19, 1989, effective May 20, 1989, 19 Pa.B. 2158; amended June 23, 1989, effective June 24, 1989, 19 Pa.B. 2645; amended June 28, 1991, effective June 29, 1991, 21 Pa.B. 2885; amended November 29, 1991, effective November 30, 1991, 21 Pa.B. 5511; amended March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037. Immediately preceding text appears at serial pages (136243) to (136244), (138941) to (138942), (159115) to (159120), (165419) to (165420), (159123) to (159134), (165421) to (165434), (97623) to (97624), (159135) to (159138), (165435) to (165437), (97629) to (97632), (133517) to (133518), (129973) to (129974), (149089) to (149092), (165439) to (165455), (165457) to (165470), (121583) to (121584), (133519) to (133520), (159153) to (159154), (165471) to (165475), (138995) to (138996), (149115) to (149117), (133523) to (133524), (97683) to (97688), (149119) to (149126) and (165477) to (165478).

Notes of Decisions*Exceptional Value*

Because the Department of Environmental Protection failed to consider the effects of the water pumping project on the wetlands and adjacent exceptional value creek, and failed to determine whether the proposed activity was environmentally inconsequential, the permit was remanded for further consideration. *Oley Township v. Department of Environmental Protection*, 1996 EHB 1098.

In General

Regulations contemplate that the Department will evaluate the degree to which phosphorus contributes to the impairment designated uses on a case-by-case basis and may impose more stringent limitations where necessary. *Neshaminy Water Resources Authority v. Department of Environmental Resources*, 513 A.2d 979, 981 (Pa. 1986).

Judicial Review

Petition filed under Commonwealth Court's original jurisdiction, challenging new regulations which removed specific numeric phosphorus content limits in favor of evaluation by a general model, was premature since petitioner would "not suffer direct and immediate harm which would render the statutory administrative review, process inadequate." *Neshaminy Water Resources Authority v. Department of Environmental Resources*, 513 A.2d 979, 981 (Pa. 1986).

Regulations removing specific numeric phosphorus content limits in favor of evaluation by a general model must be challenged on a case-by-case basis by individual phosphorus discharges; said challenges do not cause direct and immediate harm to a petitioner and are deemed more efficient than

judicial speculation as to how the Department will implement amended regulations. *Neshaminy Water Resources Authority v. Department of Environmental Resources*, 513 A.2d 979, 981 (Pa. 1986).

Since amended regulations provided that existing point sources of phosphorus would continue to operate at current levels and since the amended regulations also provided for DER evaluation of effects of phosphorous on a case-by-case basis with the likelihood that more stringent limitations would be imposed, the impact of the new regulations on petitioner was uncertain, not direct and immediate, thereby precluding exercise of the court's equitable jurisdiction. *Neshaminy Water Resources Authority v. Department of Environmental Resources*, 498 A.2d 1000, 1002 (Pa. Commw. 1985).

Although court had jurisdiction under Declaratory Judgement Act to consider a preenforcement challenge to new regulations, the court declined to do so because it remained to be seen how the Department would apply the regulations to phosphorus discharges in Petitioner's area. *Neshaminy Water Resources Authority v. Department of Environmental Resources*, 498 A.2d 1000 (Pa. Cmwlth. 1985).

Quality Water

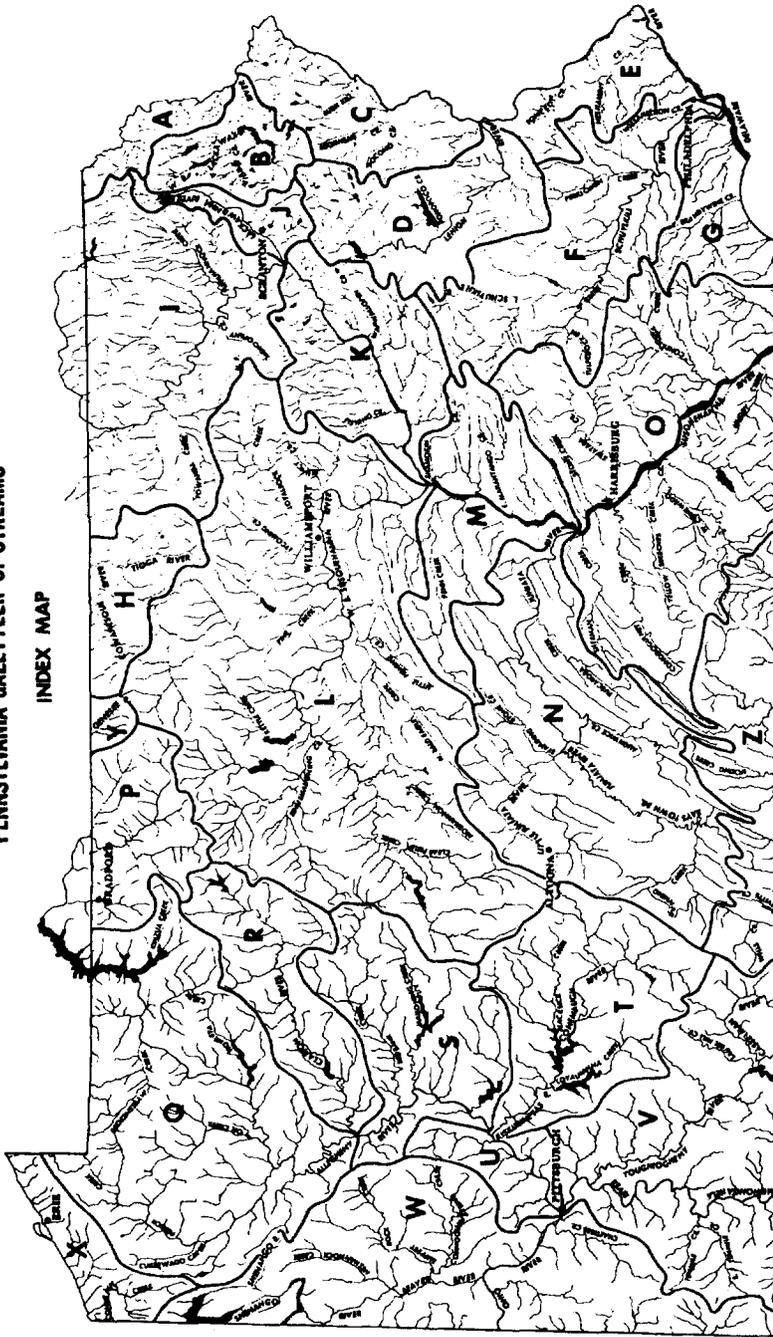
Where a body of water is designated "high quality" under this section, that fact together with the provisions of 25 Pa. Code § 95.1(b) demand that the permit holder developer and the Department be the parties responsible for justifying the permit after evidence has been presented showing the likelihood of environmental harm. *Marcon, Inc. v. Department of Environmental Resources*, 462 A.2d 969 (Pa. Cmwlth. 1983).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 71.64 (relating to small flow treatment facilities); 25 Pa. Code § 83.281 (relating to identification of agricultural operations and acreage); 25 Pa. Code § 83.391 (relating to identification of agricultural operations and acreage); 25 Pa. Code § 93.4 (relating to Statewide water uses); 25 Pa. Code § 93.5 (relating to application of water quality criteria to discharge of pollutants); 25 Pa. Code § 93.7 (relating to specific water quality criteria); 25 Pa. Code § 95.1 (relating to general requirements); 25 Pa. Code § 250.309 (relating to MSCs for surface water); 25 Pa. Code § 250.406 (relating to relationship to surface water quality requirements); and 25 Pa. Code § 269.50 (relating to environmental assessment considerations).

PENNSYLVANIA GAZETTEER OF STREAMS

INDEX MAP



§ 93.9a. Drainage List A.

Delaware River Basin in Pennsylvania
Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware River				
2—West Branch Delaware River (NY)				
3—Unnamed Tributaries to West Branch Delaware River	Basins (all sections in PA), Source to PA-NY State Border	Wayne	HQ-CWF	None
3—Sand Pond Creek	Basin (all sections in PA), Source to Sherman Creek	Wayne	CWF	None
4—Sherman Creek	Basin (all sections in PA)	Wayne	HQ-CWF	None
3—Sand Pond Creek	Basin (all sections in PA), Sherman Creek to PA-NY State Border	Wayne	CWF	None
3—Sand Pond Creek (NY)				
4—Unnamed Tributaries to Sand Pond Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Wayne	CWF	None
2—West Branch Delaware River	Main Stem, PA-NY State Border to Confluence with East Branch	Wayne	CWF, MF	<i>Delete</i> Bac ₁ , pH ₁ , Temp ₁ and TDS ₁ <i>Add</i> Bac ₅ , pH ₄ , Temp ₆ , Temp ₉ , TDS ₃ , Tur ₅ , TON, Rad and MBAS ₁
3—Unnamed Tributaries to West Branch Delaware River	Basins (all sections in PA), PA-NY State Border to Confluence with East Branch	Wayne	HQ-CWF	None
3—Faulkner Brook	Basin	Wayne	HQ-CWF	None
3—Balls Creek	Basin	Wayne	HQ-CWF	None
3—Shehawken Creek	Basin	Wayne	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware River	Main Stem, Confluence of East and West Branches to PA 652 Bridge (Narrowsburg, NY)	Wayne	CWF, MF	<i>Delete</i> Bac ₁ , pH ₁ , Temp ₁ and TDS ₁ <i>Add</i> Bac ₅ , pH ₄ , Temp ₆ , Temp ₇ , TDS ₃ , Tur ₅ , TON, MBAS ₁ and Rad
2—Unnamed Tributaries to Delaware River	Basins, Confluence of East and West Branches to PA 652 Bridge	Wayne	HQ-CWF	None
2—Shingle Hollow	Basin	Wayne	HQ-CWF	None
2—Stockport Creek	Basin	Wayne	HQ-CWF	None
2—Factory Creek	Basin	Wayne	HQ-CWF	None
2—Equinunk Creek	Basin	Wayne	HQ-CWF	None
2—Weston Brook	Basin	Wayne	HQ-CWF	None
2—Little Equinunk Creek	Basin	Wayne	HQ-CWF	None
2—Cooley Creek	Basin	Wayne	HQ-CWF	None
2—Hollister Creek	Basin	Wayne	HQ-CWF	None
2—Schoolhouse Creek	Basin	Wayne	HQ-CWF	None
2—Beaver Dam Creek	Basin	Wayne	HQ-CWF	None
2—Calkins Creek	Basin	Wayne	HQ-CWF	None
1—Delaware River	Main Stem, PA 652 Bridge to Lackawaxen River	Pike	WWF, MF	<i>Delete</i> Bac ₁ , pH ₁ and TDS ₁ <i>Add</i> Bac ₅ , pH ₄ , Temp ₄ , Temp ₉ , TON, TDS ₃ , Tur ₅ , MBAS ₁ and Rad
2—Unnamed Tributaries to Delaware River	Basins, PA 652 Bridge to Lackawaxen River	Pike-Wayne-Monroe	HQ-CWF	None
2—Peggy Run	Basin	Wayne	HQ-CWF	None
2—Masthope Creek	Basin	Pike	HQ-CWF	None

Source

The provisions of this § 93.9a adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832. Immediately preceding text appears at serial pages (167794) to (167795).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 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	None
3—West Branch Lackawaxen River	Main Stem, Prompton Reservoir to Confluence with Dyberry Creek	Wayne	HQ-TSF, MF	None
4—Unnamed Tributaries to West Branch Lackawaxen River	Basins, Prompton Reservoir to Confluence with Dyberry Creek	Wayne	HQ-CWF, MF	None
4—Johnson Creek	Basin	Wayne	HQ-CWF, MF	None
4—Van Auken Creek	Basin	Wayne	HQ-TSF, MF	None
3—Dyberry Creek	Basin, Source to Confluence with West Branch Lackawaxen River	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	Basin	Wayne	HQ-CWF, MF	None
3—Middle Creek	Basin	Wayne	HQ-CWF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Wallenpaupack Creek	Basin, Source to Lake Wallenpaupack Dam	Wayne-Pike	HQ-CWF	None
3—Wallenpaupack Creek	Basin, Lake Wallenpaupack Dam to Mouth	Wayne-Pike	HQ-WWF	None
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
3—Tadyuskung Creek	Basin	Pike	HQ-CWF, MF	None
3—Blooming Grove Creek	Basin	Pike	HQ-CWF, MF	None
3—Little Blooming Grove Creek	Basin	Pike	HQ-CWF, MF	None
3—Grassy Island Creek	Basin	Pike	HQ-CWF, MF	None
3—Kirkham Creek	Basin	Pike	HQ-CWF, MF	None
3—West Falls Creek	Basin	Pike	HQ-CWF, MF	None
3—Mill Creek	Basin	Pike	HQ-CWF, MF	None
3—O'Donnell Creek	Basin	Pike	HQ-CWF, MF	None
3—Lords Creek	Basin	Pike	HQ-CWF, MF	None

Source

The provisions of this § 93.9b adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037.

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9c. Drainage List C.

Delaware River Basin in Pennsylvania
Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware River	Main Stem, Lackawaxen River to Tocks Island	Pike	WWF, MF	<i>Delete</i> Bac ₁ , pH ₁ and TDS ₁ , <i>Add</i> Bac ₅ , pH ₄ , Temp ₄ , Temp ₉ , TON, TDS ₃ , Tur ₅ upstream of RM 254.75 and Tur ₆ , downstream of RM 254.75, MBAS ₁ and Rad
2—Unnamed Tributaries to Delaware River	Basins, Lackawaxen River to Tocks Island	Pike	HQ-CWF	None
2—Panther Creek	Basin	Pike	HQ-CWF	None
2—Shohola Creek	Basin	Pike	HQ-CWF	None
2—Twin Lakes Creek	Basin	Pike	HQ-CWF	None
2—Pond Eddy Creek	Basin	Pike	HQ-CWF	None
2—Bush Kill	Basin	Pike	EV	None
2—Rosetown Creek	Basin	Pike	HQ-CWF, MF	None
2—Cummins Creek	Basin	Pike	HQ-CWF	None
2—Crawford Branch	Basin	Pike	HQ-CWF, MF	None
2—Vandermark Creek	Basin, Source to Deep Brook	Pike	HQ-CWF	None
3—Deep Brook	Basin	Pike	EV	None
2—Vandermark Creek	Basin, Deep Brook to Mouth	Pike	HQ-CWF	None
2—Saw Kill Creek	Basin, Source to Vantine Brook	Pike	EV	None
3—Vantine Brook	Basin	Pike	HQ-CWF	None
2—Saw Kill Creek	Basin, Vantine Brook to Mouth	Pike	EV	None
2—Raymond Kill	Basin	Pike	HQ-CWF	None
2—Conashaugh Creek	Basin	Pike	HQ-CWF	None
2—Dry Brook	Basin	Pike	HQ-CWF	None
2—Adams Creek	Basin	Pike	EV	None
2—Dingman's Creek	Basin	Pike	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Hornbecks Creek	Basin	Pike	HQ-CWF	None
2—Toms Creek	Basin	Pike	EV	None
2—Bush Kill	Basin, Source to Saw Creek	Pike	HQ-CWF	None
3—Saw Creek	Basin	Pike	HQ-CWF	None
2—Bush Kill	Main Stem, Saw Creek to Mouth	Monroe	HQ-TSF	None
3—Unnamed Tributaries to Bush Kill	Basins, Saw Creek to Mouth	Monroe	HQ-CWF	None
4—Sand Hill Creek	Basin	Monroe	HQ-CWF	None
4—Little Bush Kill	Basin	Pike	HQ-CWF	None
1—Delaware River	Main Stem, Tocks Island to Lehigh River	Northampton	WWF, MF	<i>Delete</i> Bac ₁ , pH ₁ , and TDS ₁ . <i>Add</i> Bac ₅ , pH ₄ , Temp ₄ , Temp ₈ , TON, TDS ₃ , Tur ₆ , MBAS ₁ and Rad
2—Unnamed Tributaries to Delaware River	Basins, Tocks Island to Brodhead Creek	Monroe	HQ-CWF	None
2—Brodhead Creek	Main Stem, Source to LR 45060 (SR 2022) Bridge	Monroe	HQ-CWF	None
3—Unnamed Tributaries to Brodhead Creek	Basins, Source to LR 45060 Bridge	Monroe	HQ-CWF	None
3—Spruce Mountain Run	Basin	Monroe	HQ-CWF	None
3—Leavitt Branch	Basin	Monroe	HQ-CWF	None
3—Buck Hill Creek	Basin	Monroe	HQ-CWF	None
3—Goose Pond Run	Basin	Monroe	HQ-CWF	None
3—Spruce Cabin Run	Basin	Monroe	EV	None
3—Mill Creek	Basin, Source to T 577 Bridge	Monroe	EV	None
3—Mill Creek	Basin, T 577 Bridge to Rattlesnake Creek	Monroe	HQ-CWF	None
4—Rattlesnake Creek	Basin, Source to North End of T 594	Monroe	EV	None
4—Rattlesnake Creek	Basin, North End of T 594 to Mouth	Monroe	HQ-CWF	None
3—Mill Creek	Basin, Rattlesnake Creek to Mouth	Monroe	HQ-CWF	None
3—Lucky Run	Basin	Monroe	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Stony Run	Basin	Monroe	EV	None
3—Poplar Run	Basin	Monroe	EV	None
3—Pine Mountain Run	Basin	Monroe	HQ-CWF	None
3—Paradise Creek	Main Stem	Monroe	HQ-CWF	None
4—Unnamed Tributaries to Paradise Creek	Basins	Monroe	HQ-CWF	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	None
4—Devils Hole Creek	Basin, South Boundary of State Game Lands No. 221 to Mouth	Monroe	HQ-CWF	None
4—Yankee Run	Basin	Monroe	HQ-CWF	None
4—Swiftwater Creek	Basin	Monroe	HQ-CWF	None
4—Cranberry Creek	Basin	Monroe	HQ-CWF	None
4—Butz Run	Basin	Monroe	HQ-CWF	None
3—Michael Creek	Basin	Monroe	HQ-CWF	None
2—Brodhead Creek	Main Stem, LR 45060 (SR 2022) Bridge to Mouth	Monroe	TSF, MF	None
3—Unnamed Tributaries to Brodhead Creek	Basins, LR 45060 Bridge to Mouth	Monroe	TSF	None
3—Sambo Creek	Basin	Monroe	CWF, MF	None
3—McMichael Creek	Basin, Source to T434	Monroe	EV	None
3—McMichael Creek	Basin, T434 to Pocono Creek	Monroe	HQ-CWF	None
4—Pocono Creek	Main Stem	Monroe	HQ-CWF	None
5—Unnamed Tributaries to Pocono Creek	Basins	Monroe	HQ-CWF	None
5—Dry Sawmill Run	Basin	Monroe	HQ-CWF	None
5—Sand Spring Run	Basin	Monroe	EV	None
5—Wolf Swamp Run	Basin	Monroe	EV	None
5—Scot Run	Basin	Monroe	HQ-CWF	None
5—Bulgiers Run	Basin	Monroe	HQ-CWF	None
5—Cranberry Creek	Basin	Monroe	HQ-CWF	None
5—Reeders Run	Basin	Monroe	HQ-CWF	None
5—Wigwam Run	Basin	Monroe	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Flagler Run	Basin	Monroe	HQ-CWF	None
5—Big Meadow Run	Basin	Monroe	HQ-CWF	None
3—McMichaels Creek	Basin, Pocono Creek to Mouth	Monroe	TSF	None
3—Marshall Creek	Basin	Monroe	HQ-CWF	None
2—Unnamed Tributaries to Delaware River	Basins, Brodhead Creek to Lehigh River	Monroe-Northampton	CWF	None
2—Cherry Creek	Basin, Source to LR 45010 (SR 2006) Bridge	Monroe	HQ-CWF, MF	None
2—Cherry Creek	Basin, LR 45010 Bridge to Mouth	Monroe	CWF, MF	None
2—Caledonia Creek	Basin	Monroe	CWF	None
2—Slateford Creek	Basin, Source to T 734 Bridge	Northampton	EV	None
2—Slateford Creek	Basin, T 734 Bridge to Mouth	Northampton	CWF	None
2—Jacoby Creek	Basin	Northampton	CWF	None
2—Allegheny Creek	Basin	Northampton	CWF	None
2—Oughoughton Creek	Basin	Northampton	CWF	None
2—Martins Creek				
3—East Fork Martins Creek	Basin, Source to Confluence with West Fork	Northampton	CWF	None
3—West Fork Martins Creek	Basin, Source to Confluence with East Fork	Northampton	CWF	None
2—Martins Creek	Main Stem, Confluence of East and West Forks to Mouth	Northampton	TSF, MF	None
3—Unnamed Tributaries to Martins Creek	Basins, Confluence of East and West Forks to Mouth	Northampton	TSF	None
3—Brushy Meadow Creek	Basin	Northampton	TSF, MF	None
3—Little Martins Creek	Basin	Northampton	CWF	None
2—Mud Run	Basin	Northampton	CWF	None
2—Bushkill Creek	Main Stem	Northampton	HQ-CWF	None
3—Unnamed Tributaries to Bushkill Creek	Basins	Northampton	HQ-CWF	None
3—Little Bushkill Creek	Basin	Northampton	HQ-CWF, MF	None
3—Shoeneck Creek	Basin	Northampton	WWF	None

Authority

The provisions of this § 93.9c amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.9c adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa. B. 3741; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832; amended September 22, 1995, effective September 23, 1995, 25 Pa.B. 3971; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (199315) to (199318) and (203651).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9d. Drainage List D.**Delaware River Basin in Pennsylvania*****Lehigh River***

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware River				
2—Lehigh River	Basin, Source to Tobyhanna Creek	Luzerne-Monroe-Carbon	HQ-CWF	None
3—Tobyhanna Creek	Main Stem	Monroe-Carbon	HQ-CWF	None
4—Unnamed Tributaries to Tobyhanna Creek	Basins	Monroe-Carbon	HQ-CWF	None
4—Jim Smith Run	Basin	Monroe	HQ-CWF	None
4—Pole Bridge Run	Basin	Monroe	HQ-CWF	None
4—Singer Run	Basin	Monroe	HQ-CWF	None
4—East Branch Dresser Run	Basin	Monroe	HQ-CWF	None
4—Pollys Run	Basin	Monroe	HQ-CWF	None
4—Hummler Run	Basin	Monroe	HQ-CWF	None
4—Cross Keys Run	Basin	Monroe	EV	None
4—Frame Cabin Run	Basin	Monroe	EV	None
4—Kistler Run	Basin	Monroe	HQ-CWF	None
4—Wagner Run	Basin	Monroe	HQ-CWF	None
4—Upper Tunkhanna Creek	Basin	Monroe	HQ-CWF	None
4—Wolfs Spring Run	Basin	Monroe	HQ-CWF	None
4—Deep Run	Basin	Monroe	HQ-CWF	None
4—Davey Run	Basin	Monroe	HQ-CWF	None
4—Red Run	Basin	Monroe	HQ-CWF	None
4—Tunkhannock Creek	Basin	Monroe-Carbon	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Shingle Mill Run	Basin	Carbon	HQ-CWF	None
4—Twomile Run	Basin	Monroe	HQ-CWF	None
4—Stony Run	Basin	Monroe	HQ-CWF	None
2—Lehigh River	Basin, Tobyhanna Creek to Buck Mountain Creek	Carbon	HQ-CWF	None
3—Buck Mountain Creek	Main Stem	Carbon	HQ-CWF	None
4—Unnamed Tributaries to Buck Mountain Creek	Basin	Carbon	HQ-CWF	None
4—Indian Run	Basin	Carbon	HQ-CWF	None
4—Shafer Run	Basin	Carbon	EV	None
2—Lehigh River	Main Stem, Buck Mountain Creek to PA 903 Bridge (at Jim Thorpe)	Carbon	HQ-CWF	None
3—Unnamed Tributaries to Lehigh River	Basins, Buck Mountain Creek to PA 903 Bridge	Carbon	HQ-CWF	None
3—Drakes Creek	Basin	Carbon	HQ-CWF	None
3—Stony Creek	Basin	Carbon	EV	None
3—Penn Springs	Basin	Carbon	HQ-CWF	None
3—Black Creek	Basin, Source to Beaver Creek	Carbon	HQ-CWF	None
4—Beaver Creek	Basin	Carbon	CWF	None
3—Black Creek	Main Stem, Beaver Creek to Mouth	Carbon	CWF	None
4—Unnamed Tributaries to Black Creek	Basins, Beaver Creek to Mouth	Carbon	HQ-CWF	None
4—Quakake Creek	Basin, Source to Wetzel Creek	Carbon	HQ-CWF	None
5—Wetzel Creek	Basin	Carbon	CWF	None
4—Quakake Creek	Basin, Wetzel Creek to Mouth	Carbon	CWF	None
3—Maple Hollow	Basin	Carbon	HQ-CWF	None
3—Bear Creek	Basin	Carbon	HQ-CWF	None
3—Nesquehoning Creek	Basin, Source to Lake Greenwood	Schuylkill- Carbon	HQ-CWF	None
3—Nesquehoning Creek	Main Stem, Lake Greenwood to Tibbetts Pond Dam	Carbon	HQ-WWF	None
4—Unnamed Tributaries to Nesquehoning Creek	Basins, Lake Greenwood to Tibbetts Pond Dam	Schuylkill- Carbon	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Swartz Run	Basin	Schuylkill	HQ-CWF	None
4—Grassy Meadow Run	Basin	Carbon	HQ-CWF	None
4—Bear Creek	Basin	Carbon	HQ-CWF	None
3—Nesquehoning Creek	Main Stem, Tibbetts Pond Dam to Mouth	Carbon	CWF	None
4—Unnamed Tributaries to Nesquehoning Creek	Basins, Tibbetts Pond Dam to Mouth	Carbon	HQ-CWF	None
4—Dennison Run	Basin	Carbon	HQ-CWF	None
4—Broad Run	Basin	Carbon	HQ-CWF	None
4—Deep Run	Basin	Carbon	EV	None
4—First Hollow Run	Basin	Carbon	EV	None
4—Jeans Run	Basin	Carbon	HQ-CWF	None
3—Robertson Run	Basin	Carbon	HQ-CWF	None
2—Lehigh River	Main Stem, PA 903 Bridge to Allentown Dam	Lehigh	TSF	None
3—Unnamed Tributaries to Lehigh River	Basins, PA 903 Bridge to Allentown Dam	Carbon-Lehigh	CWF	None
3—Silkmill Run	Basin	Carbon	CWF	None
3—Mauch Chunk Creek	Main Stem	Carbon	CWF	None
4—Unnamed Tributaries to Mauch Chunk Creek	Basins	Carbon	CWF	None
4—White Bear Creek	Basin, Source to PA 902 Bridge	Carbon	EV	None
4—White Bear Creek	Basin, PA 902 Bridge to Mouth	Carbon	CWF	None
3—Beaverdam Run	Basin	Carbon	CWF	None
3—Long Run	Basin	Carbon	CWF	None
3—Mahoning Creek	Basin	Carbon	CWF	None
3—Pohopoco Creek	Basin, Source to Dotters Creek	Carbon	CWF	None
4—Dotters Creek	Basin	Carbon	HQ-CWF	None
3—Pohopoco Creek	Basin, Dotters Creek to Wild Creek	Carbon	CWF	None
4—Wild Creek	Basin	Carbon	EV	None
3—Pohopoco Creek	Basin, Wild Creek to Mouth	Carbon	CWF	None
3—Fireline Creek	Basin	Carbon	CWF	None
3—Lizard Creek	Basin	Carbon	TSF	None
3—Aquashicola Creek	Basin, Source to Buckwha Creek	Carbon	HQ-CWF, MF	None
4—Buckwha Creek	Basin	Carbon	CWF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Aquashicola Creek	Main Stem, Buckwha Creek to Mouth	Carbon	TSF, MF	None
4—Unnamed Tributaries to Aquashicola Creek	Basins, Buckwha Creek to Mouth	Carbon	CWF	None
4—Mill Creek	Basin	Carbon	CWF	None
3—Trout Creek	Basin	Lehigh	CWF	None
3—Bertsch Creek	Basin	Northampton	CWF	None
3—Rockdale Creek	Basin	Lehigh	CWF	None
3—Fells Creek	Basin	Lehigh	CWF	None
3—Spring Creek	Basin	Lehigh	CWF	None
3—Hokendagua Creek	Basin	Northampton	CWF	None
3—Dry Run	Basin	Northampton	CWF	None
3—Coplay Creek	Basin	Lehigh	CWF	None
3—Catasauqua Creek	Basin	Lehigh	CWF	None
2—Lehigh River	Main Stem, Allentown Dam to Mouth	Northampton	WWF	None
3—Unnamed Tributaries to Lehigh River	Basins, Allentown Dam to Mouth	Lehigh- Northampton	CWF	None
3—Little Lehigh Creek	Basin, Source to Jordan Creek	Lehigh	HQ-CWF	None
4—Jordan Creek	Main Stem	Lehigh	TSF, MF	None
5—Unnamed Tributaries to Jordan Creek	Basins	Lehigh	HQ-CWF, MF	None
5—Switzer Creek	Basin	Lehigh	HQ-CWF, MF	None
5—Lyon Creek	Basin	Lehigh	HQ-CWF, MF	None
5—Mill Creek	Basin	Lehigh	CWF, MF	None
5—Hassen Creek	Basin	Lehigh	HQ-CWF, MF	None
3—Little Lehigh Creek	Basin, Jordan Creek to Mouth	Lehigh	HQ-CWF	None
3—Monocacy Creek	Basin	Northampton	HQ-CWF	None
3—Saucon Creek	Basin	Northampton	CWF	None
3—Nancy Run	Basin	Northampton	CWF, MF	None
3—Bull Run	Basin	Northampton	CWF	None

Source

The provisions of this § 93.9d adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203651) to (203652), (199321) and (203653).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9e. Drainage List E.

Delaware River Basin in Pennsylvania

Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware River	Main Stem, Lehigh River to Head of Tide	Bucks	WWR, MF	<i>Delete</i> Bac ₁ , pH ₁ and TDS ₁ <i>Add</i> Bac ₅ , MBAS ₁ , pH ₄ , Rad, TDS ₃ , Temp ₄ , Temp ₈ , TON and Tur ₇
2—Unnamed Tributaries to Delaware River	Basins, Lehigh River to Pidcock Creek	Northampton-Bucks	TSF	None
2—Frya Run	Basin	Northampton	HQ-CWF, MF	None
2—Cooks Creek	Basin	Bucks	EV	None
2—Gallows Run	Basin	Bucks	CWF	None
2—Tinicum Creek	Basin	Bucks	EV	None
2—Tohickon Creek	Basin, Source to Lake Nockamixon Dam	Bucks	TSF	None
2—Tohickon Creek	Basin, Lake Nockamixon Dam to Deep Run	Bucks	CWF	None
3—Deep Run	Basin	Bucks	WWF	None
2—Tohickon Creek	Basin, Deep Run to Mouth	Bucks	CWF	None
2—Hickory Creek	Basin	Bucks	TSF	None
2—Paunacussing Creek	Basin	Bucks	HQ-CWF	None
2—Cuttalossa Creek	Basin	Bucks	HQ-CWF	None
2—Rabbit Run	Basin	Bucks	TSF	None
2—Aquetong Creek	Basin	Bucks	HQ-CWF	None
2—Dark Hollow Run	Basin	Bucks	TSF	None
2—Pidcock Creek	Basin	Bucks	WWF	None
2—Unnamed Tributaries to Delaware River	Basins, Pidcock Creek to Head of Tide	Bucks	WWF	None
2—Jericho Creek	Basin	Bucks	WWF	None
2—Houghs Creek	Basin	Bucks	WWF	None
2—Dyers Creek	Basin	Bucks	WWF	None
2—Buck Creek	Basin	Bucks	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware Estuary	Tidal Portions of Basin, Head of Tide to Burlington-Bristol Bridge	Bucks	WWF, MF	<i>Delete</i> Alk ₁ , Bac ₁ , DO ₂ , pH ₁ , Temp ₂ , TDS ₁ and Am <i>Add</i> Alk ₃ , Bac ₅ , Enterococcus—maximum geometric average 33 per 100 ml, Ch ₄ , DO ₃ , Hd ₂ , MBAS ₁ , pH ₂ , Rad, TDS ₃ , Temp ₅ , Temp ₇ , TON and Tur ₁
2—Unnamed Tributaries to Delaware Estuary	Non-Tidal Portion of Basins, Head of Tide to Burlington-Bristol Bridge	Bucks	WWF	None
2—Martins Creek	Non-Tidal Portion of Basin	Bucks	WWF	None
2—Levittown Lake	Basin	Bucks	TSF	None
2—Mill Creek	Non-Tidal Portion of Basin	Bucks	WWF	None
2—Neshaminy Creek				
3—West Branch Neshaminy Creek	Basin, Source to Confluence with North Branch	Bucks	WWF, MF	<i>Add</i> Col ₂ , Tur ₄
3—North Branch Neshaminy Creek	Basin, Source to Tailwaters of Lake Galena	Bucks	WWF	<i>Add</i> Col ₂ , Tur ₄
3—North Branch Neshaminy Creek	Basin, Lake Galena	Bucks	WWF	<i>Add</i> Col ₂ , Tur ₄
3—North Branch Neshaminy Creek	Basin, Lake Galena Dam to Confluence with West Branch	Bucks	TSF, MF	<i>Add</i> Col ₂ , Tur ₄
2—Neshaminy Creek	Main Stem, Confluence of West and North Branches to Proposed PA 614 Dam	Bucks	TSF, MF	<i>Add</i> Col ₂ , Tur ₄

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Unnamed Tributaries to Neshaminy Creek	Basins, Confluence of West and North Branches to Proposed PA 614 Dam	Bucks	TSF, MF	Add Col ₂ , Tur ₄
3—Cooks Run	Basin	Bucks	WWF, MF	Add Col ₂ , Tur ₄
3—Mill Creek	Basin	Bucks	TSF, MF	Add Col ₂ , Tur ₄
3—Country Club Creek	Basin	Bucks	WWF, MF	Add Col ₂ , Tur ₄
2—Neshaminy Creek	Non-Tidal Portion of Main Stem, Proposed PA 614 Dam to Mouth	Bucks	WWF, MF	Add Col ₂ and Tur ₃
3—Unnamed Tributaries to Neshaminy Creek	Non-Tidal Portions of Basins, Proposed PA 614 Dam to Mouth	Bucks	WWF, MF	Add Col ₂ and Tur ₃
3—Little Neshaminy Creek	Basin	Bucks	WWF, MF	Add Col ₂ and Tur ₃
3—Mill Creek	Basin, Source to Watson Creek	Bucks	CWF, MF	Add Col ₂ and Tur ₄
4—Watson Creek	Basin	Bucks	CWF, MF	Add Col ₂ and Tur ₄
3—Mill Creek	Basin, Watson Creek to Mouth	Bucks	WWF, MF	Add Col ₂ and Tur ₃
3—Core Creek	Basin, Source to PA 620 Dam	Bucks	CWF, MF	Add Col ₂ and Tur ₄
3—Core Creek	Basin, PA 620 Dam to Mouth	Bucks	WWF, MF	Add Col ₂ and Tur ₃
3—Mill Creek	Basin	Bucks	WWF, MF	Add Col ₂ and Tur ₃
1—Delaware Estuary	Tidal Portions of Basin, Burlington-Bristol Bridge to RM 108.4	Philadelphia	WWF, MF	Delete Alk ₁ , Bac ₁ , DO ₂ , pH ₁ , Temp ₂ , TDS ₁ and Am. Add Alk ₃ , Bac ₅ , Enterococcus maximum geometric average 33 per 100 ml, Ch ₄ , DO ₃ , Hd ₂ , MBAS ₁ , pH ₂ , Rad, TDS ₃ , Temp ₅ , Temp ₇ , Tur ₂ and TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Unnamed Tributaries to Delaware Estuary	Non-Tidal Portions of Basins, Burlington-Bristol Bridge to RM 108.4	Bucks-Philadelphia	WWF	None
2—Poquessing Creek	Non-Tidal Portions of Basin, Source to Mouth	Philadelphia-Bucks	WWF	None
2—Pennypack Creek	Basin, Source to US 13 Bridge	Philadelphia	TSF, MF	None
2—Pennypack Creek	Non-Tidal Portions of Basin, US 13 Bridge to Mouth	Philadelphia	WWF, MF	None
1—Delaware Estuary	Tidal Portions of Basin, RM 108.4 to Big Timber Creek (NJ)	Philadelphia	WWF (Maintenance Only); MF (Passage Only); <i>Delete</i> WC	<i>Delete</i> Alk ₁ , Bac ₁ , DO ₂ , pH ₁ , Temp ₂ , TDS ₁ and Am <i>Add</i> Alk ₄ , Bac ₄ , Enterococcus—maximum geometric average 88 per ml, Ch ₃ at RM 98, Sodium—maximum 30-day average 100 mg/l at RM 98, DO ₄ , Hd ₁ , MBAS ₂ , pH ₂ , TDS ₃ , Temp ₃ , Temp ₅ , TON, Tur ₂ and Rad
2—Unnamed Tributaries to Delaware Estuary	Non-Tidal Portion of Basins, RM 108.4 to Big Timber Creek (NJ)	Philadelphia	WWF	None
2—Frankford Creek	Basin	Philadelphia	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware Estuary	Tidal Portions of Basin, Big Timber Creek (NJ) to Philadelphia-Delaware County Border	Philadelphia-Delaware	WWF (Maintenance Only); MF (Passage Only); N WC , PWS, LWS and IRS	Alk₁ , Bac ₁ , DO ₂ , F, N, pH ₁ , Phen ₁ , Temp ₂ , TDS ₁ and Am Add Alk ₄ , Bac ₄ , Enterococcus—maximum geometric average 88 per 100 ml, DO ₄ , MBAS ₂ , pH ₂ , Phen ₂ , Rad, TDS ₄ , Temp ₅ , Temp ₇ , TON and Tur ₂
2—Unnamed Tributaries to Delaware Estuary	Basins, Big Timber Creek, to Philadelphia-Delaware County Border	Philadelphia	WWF	None

Source

The provisions of this § 93.9e adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa. B. 3741; amended February 11, 1994, effective February 12, 1994, 24 Pa.B. 832; amended July 22, 1994, effective July 23, 1994, 24 Pa.B. 3528; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247; corrected July 17, 1998, effective December 6, 1997, 28 Pa.B. 3378. Immediately preceding text appears at serial pages (234551) to (234554).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); and 25 Pa. Code § 93.1 (relating to definitions).

§ 93.9f. Drainage List F.

Delaware River Basin in Pennsylvania

Schuylkill River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware Estuary 2—Schuylkill River	Main Stem, Source to Little Schuylkill River	Schuylkill	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Unnamed Tributaries to Schuylkill River	Basins, Source to Little Schuylkill River	Schuylkill	CWF	None
3—Big Creek	Basin	Schuylkill	CWF	None
3—Silver Creek	Basin	Schuylkill	CWF	None
3—Mill Creek	Basin, Source to Mud Run	Schuylkill	CWF	None
4—Mud Run	Basin, Source to Schuylkill County Municipal Dam	Schuylkill	HQ-CWF	None
4—Mud Run	Basin, Schuylkill County Municipal Dam to Kaufman Run	Schuylkill	CWF	None
5—Kaufman Run	Basin, Source to Schuylkill County Municipal Dam	Schuylkill	HQ-CWF	None
5—Kaufman Run	Basin, Schuylkill County Municipal Dam to Mouth	Schuylkill	CWF	None
4—Mud Run	Basin, Kaufman Run to Mouth	Schuylkill	CWF	None
3—Mill Creek	Main Stem, Mud Run to Mouth	Schuylkill	CWF	None
4—Unnamed Tributaries to Mill Creek	Basins, Mud Run to Mouth	Schuylkill	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Tar Run	Basin, Source to Schuylkill County Municipal Dam	Schuylkill	HQ-CWF	None
4—Tar Run	Basin, Schuylkill County Municipal Dam to Mouth	Schuylkill	CWF	None
4—Wolf Creek	Basin, Source to Schuylkill County Municipal Dam	Schuylkill	HQ-CWF	None
4—Wolf Creek	Basin, Schuylkill County Municipal Dam to Mouth	Schuylkill	CWF	None
3—Tumbling Run	Basin, Source to Tumbling Run Dam	Schuylkill	HQ-CWF	None
3—Tumbling Run	Basin, Tumbling Run Dam to Mouth	Schuylkill	CWF	None
3—West Branch Schuylkill River	Basin	Schuylkill	CWF	None
3—Mahanhon Creek	Basin	Schuylkill	CWF	None
3—Red Creek	Basin	Schuylkill	CWF	None
3—Plum Creek	Basin	Schuylkill	CWF	None
3—Pine Creek	Basin	Schuylkill	CWF	None
3—Bear Creek	Basin	Schuylkill	CWF	None
3—Stony Creek	Basin	Schuylkill	CWF	None
3—Little Schuylkill River	Basin, Source to Still Creek	Schuylkill	CWF	None
4—Still Creek	Basin, Source to Tamaqua Water Supply Dam	Schuylkill	HQ-CWF	None
4—Still Creek	Basin, Tamaqua Water Supply Dam to Mouth	Schuylkill	CWF	None
3—Little Schuylkill River	Basin, Still Creek to Owl Creek	Schuylkill	CWF	None
4—Owl Creek	Basin, Source to Lower Tamaqua Dam	Schuylkill	HQ-CWF	None
4—Owl Creek	Basin, Lower Tamaqua Dam to Mouth	Schuylkill	CWF	None
3—Little Schuylkill River	Basin, Owl Creek to Rattling Run	Schuylkill	CWF	None
4—Rattling Run	Basin, Source to PA 61	Schuylkill	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Rattling Run	Basin, PA 61 to Mouth	Schuylkill	CWF	None
3—Little Schuylkill River	Basin, Rattling Run to Mouth	Schuylkill	CWF	None
2—Schuylkill River	Main Stem, Little Schuylkill River to Head of Tide	Philadelphia	WWF, MF	None
3—Unnamed Tributaries to Schuylkill River	Basins, Little Schuylkill River to Berks-Chester-Montgomery County Border	Schuylkill-Berks	WWF	None
3—Mill Creek	Basin	Berks	TSF	None
3—Pigeon Creek	Basin	Berks	WWF	None
3—Irish Creek	Basin	Berks	WWF	None
3—Maiden Creek	Basin, Source to Pine Creek	Berks	CWF	None
4—Pine Creek	Basin, Source to Farthest Downstream Crossing of T 803	Berks	HQ-CWF	None
4—Pine Creek	Basin, Farthest Downstream Crossing of T 803 to Mouth	Berks	CWF	None
3—Maiden Creek	Main Stem, Pine Creek to Moselem Creek	Berks	TSF	None
4—Unnamed Tributaries to Maiden Creek	Basins, Pine Creek to Moselem Creek	Berks	TSF	None
4—Furnace Creek	Basin	Berks	TSF	None
4—Maiden Creek Tributary	Basin	Berks	TSF	None
4—Sacony Creek	Basin, Source to SR 1029 Bridge in Rockland Township	Berks	EV	None
4—Sacony Creek	Basin, SR 1029 Bridge in Rockland Township to SR 1029 Bridge in Kutztown	Berks	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Sacony Creek	Basin, SR 1029 Bridge in Kutztown to Mouth	Berks	TSF	None
4—Moselem Creek	Basin	Berks	HQ-CWF	None
3—Maiden Creek	Basin, Moselem Creek to Tailwaters of Lake Ontelaunee	Berks	WWF	None
3—Maiden Creek	Main Stem, Lake Ontelaunee	Berks	WWF	None
4—Unnamed Tributaries to Maiden Creek	Basins, Lake Ontelaunee	Berks	WWF	None
4—Bailey Creek	Basin	Berks	WWF	None
4—Peters Creek	Basin	Berks	EV	None
3—Maiden Creek	Basin, Lake Ontelaunee Dam to Willow Creek	Berks	WWF	None
4—Willow Creek	Basin	Berks	CWF	None
3—Laurel Run	Basin, Willow Creek to Mouth	Berks	CWF, MF	None
3—Laurel Run	Basin, Upstream Border of Temple Borough to Mouth	Berks	WWF, MF	None
3—Bernhart Creek	Basin	Berks	WWF	None
3—Tulpehocken Creek	Basin, Source to T 560	Berks	CWF	None
3—Tulpehocken Creek	Main Stem, T 560 to Tailwaters of Blue Marsh Reservoir	Berks	TSF	None
4—Unnamed Tributaries to Tulpehocken Creek	Basins, T 560 to Tailwaters of Blue Marsh Reservoir	Berks	TSF	None
4—Northkill Creek	Basin, Source to I-78 Bridge	Berks	EV	None
4—Northkill Creek	Basin, I-78 Bridge to Mouth	Berks	CWF	None
4—Licking Creek	Basin	Berks	TSF	None
4—Spring Creek	Basin, Source to Furnace Creek	Berks	CWF	None
5—Furnace Creek	Basin, Source to Water Authority Dam	Berks	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Furnace Creek	Basin, Water Authority Dam to Mouth	Berks	CWF	None
4—Spring Creek	Basin, Furnace Creek to Hospital Creek	Berks	CWF	None
5—Hospital Creek	Basin	Berks	TSF	None
4—Spring Creek	Basin, Hospital Creek to Mouth	Berks	TSF	None
3—Tulpehocken Creek	Basin, Blue Marsh Reservoir	Berks	TSF	None
3—Tulpehocken Creek	Main Stem, Blue Marsh Reservoir Dam to T 921	Berks	CWF	None
4—Unnamed Tributaries to Tulpehocken Creek	Basins, Blue Marsh Reservoir Dam to T 921	Berks	WWF	None
5—Plum Creek	Basin, Source to Unnamed Tributary at RM 0.45	Berks	WWF	None
6—Unnamed Tributary to Plum Creek at RM 0.45	Basin	Berks	WWF	None
5—Plum Creek	Basin, Unnamed Tributary at RM 0.45 to Mouth	Berks	CWF	None
3—Tulpehocken Creek	Basin, T 921 to Mouth	Berks	WWF	None
3—Wyomissing Creek	Basin	Berks	CWF	None
3—Angelica Creek	Basin	Berks	CWF	None
3—Trout Run	Basin	Berks	WWF	None
3—Allegheny Creek	Basin	Berks	CWF	None
3—Seidel Creek	Basin	Berks	WWF	None
3—Antietam Creek	Basin	Berks	CWF	None
3—Indian Corn Creek	Basin	Berks	CWF	None
3—Heisters Creek	Basin	Berks	WWF	None
3—Hay Creek	Basin	Berks	CWF	None
3—Sixpenny Creek	Basin, Source to Unnamed Tributary at RM 1.28	Berks	HQ-CWF; MF	None
4—Unnamed Tributary to Sixpenny Creek at RM 1.28	Basin	Berks	HQ-CWF; MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Sixpenny Creek	Basin, Unnamed Tributary at RM 1.28 to Mouth	Berks	CWF; MF	None
3—Monocacy Creek	Basin	Berks	WWF	None
3—Unnamed Tributaries to Schuylkill River	Basins, Berks-Chester-Montgomery County Border to Valley Creek (except those in Spring City and Phoenixville)	Chester	HQ-TSF	None
3—Unnamed Tributaries to Schuylkill River	Basins, Berks-Chester-Montgomery County Border to Valley Creek	Montgomery	WWF	None
3—Manatawny Creek	Main Stem	Berks	CWF	None
4—Unnamed Tributaries to Manatawny Creek	Basins	Berks	CWF	None
4—Pine Creek	Basin	Berks	EV	None
4—Bieber Creek	Basin	Berks	EV	None
4—Little Manatawny Creek	Basin	Berks	CWF	None
4—Oysterville Creek	Basin	Berks	CWF	None
4—Furnace Run	Basin	Berks	CWF	None
4—Trout Run	Basin	Berks	EV	None
4—Ironstone Creek	Basin	Berks	TSF	None
3—Sprogels Run	Basin	Montgomery	WWF	None
3—Sanatoga Creek	Basin	Montgomery	WWF	None
3—Possum Hollow Run	Basin	Montgomery	WWF	None
3—Brooke Evans Creek	Basin	Montgomery	WWF	None
3—Pigeon Creek	Basin	Chester	HQ-TSF	None
3—Mingo Creek	Basin	Montgomery	WWF	None
3—Stony Run	Basin	Chester	HQ-TSF	None
3—French Creek	Basin, Source to South Branch French Creek	Chester	HQ-CWF	None
3—French Creek	Basin, South Branch French Creek to the Junction of West Vincent, East Vincent and East Pikeland Township Borders	Chester	HQ-TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—French Creek	Basin, Junction of West Vincent, East Vincent and East Pikeland Township Borders to Mouth	Chester	TSF	None
3—Pickering Creek	Basin, Source to Philadelphia Suburban Water Company Dam	Chester	HQ-TSF	None
3—Pickering Creek	Basin, Philadelphia Suburban Water Company Dam to Mouth	Chester	WWF	None
3—Perkiomen Creek	Basin, Source to LR 06119 (SR 1010) Bridge at Hereford	Berks	CWF	None
3—Perkiomen Creek	Main Stem, LR 06119 Bridge to Green Lane Reservoir Dam	Montgomery	TSF	None
4—Unnamed Tributaries to Perkiomen Creek	Basins, LR 06119 Bridge to Green Lane Reservoir	Montgomery	TSF	None
4—Hosensack Creek	Basin	Montgomery	CWF	None
4—Northwest Branch Perkiomen Creek	Basin	Montgomery	CWF	None
3—Perkiomen Creek	Main Stem, Green Lane Reservoir Dam to Mouth	Montgomery	WWF, MF	None
4—Unnamed Tributaries to Perkiomen Creek	Basins, Green Lane Reservoir Dam to Mouth	Montgomery	TSF	None
4—Macoby Creek	Basin	Montgomery	TSF	None
4—Deep Creek	Basin	Montgomery	TSF	None
4—Unami Creek	Basin	Montgomery	HQ-TSF	None
4—Swamp Creek	Basin	Montgomery	TSF	None
4—Mine Run	Basin	Montgomery	TSF	None
4—East Branch Perkiomen Creek	Basin	Montgomery	TSF	None
4—Lodal Creek	Basin	Montgomery	TSF	None
4—Schoolhouse Run	Basin	Montgomery	TSF	None
4—Doe Run	Basin	Montgomery	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Skippack Creek	Basin	Montgomery	TSF	None
4—Mine Run	Basin	Montgomery	TSF	None
3—Valley Creek	Basin	Montgomery-Chester	EV	None
3—Unnamed Tributaries to Schuylkill River	Basins, Valley Creek to Tide	Chester-Montgomery	WWF	None
3—Mellshamic Creek	Basin	Montgomery	WWF	None
3—Mellshamic Creek	Basin	Montgomery	WWF	None
3—Trout Creek	Basin	Montgomery	WWF	None
3—Indian Creek	Basin	Montgomery	WWF	None
3—Crow Creek	Basin	Montgomery	WWF	None
3—Stony Creek	Basin	Montgomery	TSF	None
3—Sawmill Run	Basin	Montgomery	WWF	None
3—Diamond Run	Basin	Montgomery	WWF	None
3—Gulph Creek	Basin	Montgomery	WWF	None
3—Plymouth Creek	Basin	Montgomery	WWF	None
3—Arrowmink Creek	Basin	Montgomery	WWF	None
3—Sawmill Run	Basin	Montgomery	WWF	None
3—Mill Creek	Basin	Montgomery	TSF	None
3—Gulley Run	Basin	Montgomery	WWF	None
3—Wissahickon Creek	Basin	Philadelphia	TSF	None

Authority

The provisions of this § 93.9f amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.9f adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa. B. 3741; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended September 2, 1994, effective May 7, 1994, 24 Pa.B. 4461; amended September 22, 1995, effective September 23, 1995, 25 Pa.B. 3971; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247. Immediately preceding text appears at serial pages (232408) to (232415).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9g. Drainage List G.

Delaware River Basin in Pennsylvania
Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Delaware Estuary	Tidal Portions of Basin, Philadelphia-Delaware County Border to PA-DE State Border	Delaware	WWF (Maintenance Only); MF (Passage Only); <i>Delete</i> PWS, LWS, IRS. <i>Delete</i> WC above RM 81.8	<i>Delete</i> Alk ₁ , Bac ₁ , DO ₂ , F, N, pH ₁ , Phen ₁ , Temp ₂ , TDS ₁ and Am <i>Add</i> Alk ₄ above RM 81.8: Bac ₄ , Enterococcus—maximum geometric average 88 per 100 ml; below RM 81.8: Bac ₅ , and Enterococcus—maximum geometric average 33 per 100 ml, DO ₄ , MBAS ₂ , pH ₂ , Phen ₂ , TDS ₄ , Temp ₅ , Temp ₇ , TON, Tur ₂ and Rad
2—Unnamed Tributaries to Delaware Estuary	Non-Tidal Portion of Basins (all sections in PA), Philadelphia-Delaware County Border to PA-DE State Border	Delaware	WWF	None
2—Darby Creek	Main Stem, Source to PA 3 Bridge	Delaware	CWF, MF	None
3—Unnamed Tributaries to Darby Creek	Basins, Source to PA 3 Bridge	Delaware	CWF, MF	None
3—Little Darby Creek	Basin	Delaware	CWF, MF	None
3—Camp Run	Basin	Delaware	CWF, MF	None
3—Miles Run	Basin	Delaware	CWF, MF	None
3—Foxes Run	Basin	Delaware	CWF, MF	None
3—Ithan Creek	Basin	Delaware	CWF, MF	None
3—Langford Run	Basin	Delaware	CWF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Darby Creek	Non-Tidal Portion of Main Stem, PA 3 Bridge to Mouth	Delaware	TSF, MF	None
3—Unnamed Tributaries to Darby Creek	Non-Tidal Portions of Basins, PA 3 Bridge to Mouth	Delaware	WWF, MF	None
3—Whetstone Run	Non-Tidal Portions of Basin	Delaware	WWF, MF	None
3—Cobbs Creek	Non-Tidal Portions of Basin	Delaware	WWF, MF	None
3—Hermesprotta Creek	Non-Tidal Portions of Basin	Delaware	WWF, MF	None
3—Muckinipattis Creek	Non-Tidal Portions of Basin	Delaware	WWF, MF	None
3—Stony Creek	Non-Tidal Portions of Basin	Delaware	WWF, MF	None
2—Crum Creek	Basin, Source to Junction of Newtown, Edgemont and Willistown Township Borders	Chester-Delaware	HQ-CWF	None
2—Crum Creek	Basin, Junction of Newtown, Edgemont, and Willistown Township Borders to Springton Reservoir	Delaware	CWF	None
2—Crum Creek	Non-Tidal Portions of Basin, Springton Reservoir to Mouth	Delaware	WWF	None
2—Ridley Creek	Basin, Source to Media Water Intake	Delaware	HQ-TSF	None
2—Ridley Creek	Basin, Media Water Intake to LR 23013 (SR 2006) Bridge	Delaware	TSF	None
2—Ridley Creek	Non-Tidal Portions of Basin, LR 23013 Bridge to Mouth	Delaware	WWF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Chester Creek	Basin, Source to East Branch Chester Creek	Chester	TSF	None
3—East Branch Chester Creek	Basin, Source to Unnamed Tributary at RM 0.4 (“Goose Creek”)	Chester	TSF	None
4—Unnamed Tributary to East Branch Chester Creek at RM 0.4 (“Goose Creek”)	Basin	Chester	WWF	None
3—East Branch Chester Creek	Basin, Unnamed Tributary at RM 0.4 to Mouth	Chester	TSF	None
2—Chester Creek	Basin, East Branch Chester Creek to Rocky Run	Delaware	TSF	None
3—Rocky Run	Basin	Delaware	HQ-CWF, MF	None
3—Chester Creek	Basin, Rocky Run to Confluence with West Branch	Delaware	TSF, MF	None
3—West Branch Chester Creek	Basin, Source to Green Creek	Delaware	TSF	None
4—Green Creek	Basin	Delaware	CWF, MF	None
3—West Branch Chester Creek	Basin, Green Creek to Mouth	Delaware	TSF, MF	None
2—Chester Creek	Basin, West Branch to Dutton Mills Road Bridge	Delaware	TSF, MF	None
2—Chester Creek	Nontidal Portions of Basin, Dutton Mills Road Bridge to Mouth	Delaware	WWF, MF	None
2—Stony Creek	Non-Tidal Portions of Basin	Delaware	WWF	None
2—Marcus Hook Creek	Non-Tidal Portions of Basin	Delaware	WWF	None
1—Delaware Estuary (DE)				
2—Unnamed Tributaries to Delaware Estuary	Non-Tidal Portions of Basins (all sections in PA), PA-DE State Border to Mouth	Delaware	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Naaman Creek	Non-Tidal Portions of Basin (all sections in PA)	Delaware	WWF	None
2—Christina River	Basin (all sections in PA), Source to PA-DE State Border	Delaware	WWF	None
2—Christina River (DE)				
3—Unnamed Tributaries to Christina River	Basins (all sections in PA), PA-DE State Border to Mouth	Delaware	WWF	None
3—White Clay Creek				
4—East Branch White Clay Branch	Basin, Source to Northern Border of Avondale Borough	Chester	EV	None
4—East Branch White Clay Creek	Basin, Northern Border of Avondale Borough to Confluence with Middle Branch	Chester	CWF	None
4—Middle Branch White Clay Creek	Basin, Source to Confluence with East Branch	Chester	TSF, MF	None
3—White Clay Creek	White Clay Creek Basin, Confluence of East and Middle Branches to PA-DE State Border	Chester	CWF	None
3—White Clay Creek (DE)				
4—Unnamed Tributaries to White Clay Creek	Basins (all sections in PA), PA-DE State Border to Mouth	Chester	CWF	None
4—Red Clay Creek				
5—West Branch Red Clay Creek	Basin, Source to Confluence with East Branch	Chester	TSF	None
5—East Branch Red Clay Creek	Basin, Source to Confluence with West Branch	Chester	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Red Clay Creek	Basin, Confluence of East and West Branches to PA-DE State Border	Chester	CWF	None
4—Red Clay Creek (DE) 5—Unnamed Tributaries to Red Clay Creek	Basins (all sections in PA), PA-DE State Border to Mouth	Chester	CWF	None
3—Brandywine Creek 4—West Branch Brandywine Creek	Basin, Source to T 437 Bridge	Chester	HQ-TSF, MF	None
4—West Branch Brandywine Creek	Main Stem, T 437 Bridge to Dam at Valley Station	Chester	TSF, 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, in West Brandywine Township	Chester	HQ-TSF, MF	None
5—Birch Run	Basin	Chester	TSF, MF	None
5—Rock Run	Basin	Chester	TSF, MF	None
4—West Branch Brandywine Creek	Main Stem, Dam at Valley Station to Confluence with East Branch	Chester	WWF, MF	None
5—Unnamed Tributaries to West Branch Brandywine Creek	Basins, Dam at Valley Station to Confluence with East Branch	Chester	WWF, MF	None
5—Sucker Run	Basin	Chester	WWF, MF	None
5—Dennis Run	Basin	Chester	WWF, MF	None
5—Buck Run	Basin	Chester	TSF, MF	None
5—Broad Run	Basin	Chester	EV, MF	None
4—East Branch Brandywine Creek	Main Stem, Source to Shamona Creek	Chester	HQ-TSF, MF	None
5—Unnamed Tributaries to East Branch Brandywine Creek	Basins, Source to Shamona Creek	Chester	HQ-TSF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Indian Run	Basin	Chester	HQ-CWF	None
5—Culbertson Run	Basin	Chester	HQ-TSF, MF	None
5—Marsh Creek	Basin	Chester	HQ-TSF, MF	None
5—Shamona Creek	Basin	Chester	HQ-TSF, MF	None
4—East Branch Brandywine Creek	Main Stem, Shamona Creek to Confluence with West Branch	Chester	WWF, MF	None
5—Unnamed Tributaries to East Branch Brandywine Creek	Basins, Shamona Creek to Confluence with West Branch (except those in East Brandywine and Uwchlan Townships)	Chester	WWF, MF	None
5—Unnamed Tributaries to East Branch Brandywine Creek	Basins, in East Brandywine and Uwchlan Townships	Chester	HQ-TSF, MF	None
5—Beaver Creek	Basin, East Brandywine-Cain Township Border to Mouth	Chester	TSF, MF	None
5--Valley Creek	Basin, Source to Broad Run	Chester	CWF, MF	None
6—Broad Run	Basin	Chester	HQ-CWF, MF	None
5—Valley Creek	Basin, Broad Run to Mouth	Chester	CWF-MF	None
5—Taylor Run	Basin	Chester	TSF, MF	None
5—Blackhorse Run	Basin	Chester	TSF, MF	None
3—Brandywine Creek	Main Stem, Confluence of East and West Branches to PA-DE State Border	Delaware	WWF, MF	<i>Add</i> TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Brandywine Creek	Basins (all sections in PA), Confluence of East and West Branches to PA-DE State Border	Chester-Delaware	WWF, MF	None
4—Plum Run	Basin	Chester	WWF, MF	None
4—Radley Run	Basin	Chester	WWF, MF	None
4—Pocopson Creek	Basin	Chester	TSF, MF	None
4—Bennetts Run	Basin	Chester	WWF, MF	None
4—Brinton Run	Basin	Chester	WWF, MF	None
4—Ring Run	Basin	Chester	WWF, MF	None
4—Harvey Run	Basin	Chester	WWF, MF	None
3—Brandywine Creek (DE)				
4—Unnamed Tributaries to Brandywine Creek	Basins (all sections in PA), PA-DE State Border to Mouth	Delaware	WWF, MF	None

Authority

The provisions of this § 93.9g amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

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Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9h. Drainage List H.

Susquehanna River Basin in Pennsylvania

Tioga River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River				

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Tioga River	Basin, Source to Mill Creek	Tioga	CWF	None
3—Mill Creek	Basin	Tioga	TSF	None
2—Tioga River	Basin, Mill Creek to Crooked Creek	Tioga	CWF	None
3—Crooked Creek	Basin, Source to Catlin Hollow	Tioga	WWF	None
3—Crooked Creek	Main Stem, Catlin Hollow to Mouth	Tioga	WWF	None
4—Unnamed Tributaries to Crooked Creek	Basins, Catlin Hollow to Mouth	Tioga	WWF	None
4—Catlin Hollow	Basin	Tioga	TSF	None
4—Sweet Hollow	Basin	Tioga	WWF	None
4—North Run	Basin	Tioga	WWF	None
4—Hills Creek	Basin	Tioga	WWF	None
4—Stephenhouse Run	Basin	Tioga	CWF	None
4—Ives Run	Basin	Tioga	WWF	None
4—Elkhorn Creek	Basin	Tioga	WWF	None
2—Tioga River	Basin, Crooked Creek to PA-NY State Border	Tioga	WWF	None
2—Tioga River (NY)				
3—Unnamed Tributaries to Tioga River	Basins (all sections in PA), PA-NY State Border to Mouth	Tioga	WWF	None
3—Cowanesque River	Basin, Source to North Fork	Tioga	CWF	None
4—North Fork Cowanesque River	Main Stem	Tioga	CWF	None
5—Unnamed Tributaries to North Fork Cowanesque River	Basins (all sections in PA)	Tioga	CWF	None
5—White Branch	Basin (all sections in PA)	Tioga	WWF	None
5—Mink Hollow	Basin	Tioga	CWF	None
5—Scott Hollow	Basin	Tioga	CWF	None
5—Rexford Hollow	Basin	Tioga	CWF	None
3—Cowanesque River	Main Stem, North Fork to PA-NY State Border	Tioga	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Cowanesque River	Basins, (all sections in PA) North Fork to PA-NY State Border	Tioga	WWF	None
4—Krusen Hollow	Basin	Tioga	CWF	None
4—Mill Creek	Basin	Tioga	TSF	None
4—California Brook	Basin	Tioga	WWF	None
4—Broughton Hollow	Basin	Tioga	WWF	None
4—Brace Hollow	Basin	Tioga	WWF	None
4—Purple Brook	Basin	Tioga	WWF	None
4—Jemison Creek	Basin	Tioga	WWF	None
4—Skinner Hollow	Basin	Tioga	WWF	None
4—Rose Valley	Basin	Tioga	WWF	None
4—Boatman Brook	Basin	Tioga	WWF	None
4—Troups Creek	Basin (all sections in PA)	Tioga	CWF	None
4—Yarnell Brook	Basin	Tioga	WWF	None
4—Wheaton Hollow	Basin	Tioga	WWF	None
4—Bulkley Creek	Basin	Tioga	WWF	None
4—Windfall Brook	Basin	Tioga	WWF	None
4—Holden Creek	Basin (all sections in PA)	Tioga	WWF	None
4—Camp Brook	Basin (all sections in PA)	Tioga	WWF	None
4—Bill Hess Creek	Basin (all sections in PA)	Tioga	WWF	None
4—Thornbottom Creek	Basin	Tioga	WWF	None
4—Cummings Creek	Basin	Tioga	WWF	None
4—Strait Creek	Basin (all sections in PA)	Tioga	WWF	None
4—Mapes Creek	Basin (all sections in PA)	Tioga	WWF	None
4—Baldwin Creek	Basin	Tioga	WWF	None
4—Cook Creek	Basin	Tioga	WWF	None
3—Cowanesque River (NY)				
4—Unnamed Tributaries to Cowanesque River	Basins (all sections in PA), PA-NY State Border to Mouth	Tioga	WWF	None

Source

The provisions of this § 93.9h adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037.

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9i. Drainage List I.

Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River	(NY)			
2—Unnamed Tributaries to Susquehanna River	Basins (all sections in PA), Source to PA-NY State Border near Lanesboro	Susquehanna	CWF	None
1—Susquehanna River	Main Stem, PA-NY State Border near Lanesboro to PA-NY State Border near Great Bend	Susquehanna	WWF	None
2—Unnamed Tributaries to Susquehanna River	Basins, (all sections in PA) PA-NY State Border near Lanesboro to PA-NY State Border near Great Bend	Susquehanna	CWF	None
2—Cascade Creek	Basin (all sections in PA)	Susquehanna	CWF	None
2—Hilborn Creek	Basin	Susquehanna	CWF	None
2—Starrucca Creek	Basin, Source to Unnamed Tributary at RM 11.68 (Thompson Wetlands Area)	Wayne	CWF	None
3—Unnamed Tributary to Starrucca Creek at RM 11.68	Basin	Wayne	EV	None
2—Starrucca Creek	Basin, (all sections in PA) Unnamed Tributary at RM 11.68 to Mouth	Susquehanna	CWF	None
2—Canawacta Creek	Basin	Susquehanna	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Drinker Creek	Basin	Susquehanna	CWF	None
2—Lewis Creek	Basin	Susquehanna	CWF	None
2—Bedbug Brook	Basin	Susquehanna	CWF	None
2—Denton Creek	Basin (all sections in PA)	Susquehanna	CWF	None
2—Mitchell Creek	Basin	Susquehanna	CWF	None
2—Little Egypt Creek	Basin	Susquehanna	CWF	None
2—Salt Lick Creek	Basin	Susquehanna	HQ-CWF	None
2—DuBois Creek	Basin	Susquehanna	CWF	None
2—Trowbridge Creek	Basin (all sections in PA)	Susquehanna	CWF	None
1—Susquehanna River (NY)				
2—Unnamed Tributaries to Susquehanna River	Basins (all sections in PA), PA-NY State Border near Great Bend to PA-NY State Border near Milltown	Susquehanna-Bradford	CWF	None
2—Snake Creek	Basin (all sections in PA)	Susquehanna	CWF	None
2—Little Snake Creek	Basin (all sections in PA)	Susquehanna	CWF	None
2—Choconut Creek	Basin (all sections in PA)	Susquehanna	WWF	None
2—Apalachin Creek	Basin, Source to Bow Bridge Creek	Susquehanna	CWF	None
3—Bow Bridge Creek	Basin	Susquehanna	HQ-CWF	None
2—Apalachin Creek	Basin, Bow Bridge Creek to Cork Hill Creek	Susquehanna	CWF	None
3—Cork Hill Creek	Basin (all sections in PA)	Susquehanna	HQ-CWF	None
2—Apalachin Creek	Basin (all sections in PA), Cork Hill Creek to PA-NY State Border	Susquehanna	CWF	None
2—Apalachin Creek (NY)				
3—Unnamed Tributaries to Apalachin Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Susquehanna	CWF	None
2—Wappasening Creek	Basin (all sections in PA)	Bradford	CWF	None
2—Sackett Creek	Basin (all sections in PA)	Bradford	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Parks Creek	Basin (all sections in PA)	Bradford	WWF	None
1—Susquehanna River	Main Stem, PA-NY State Border near Milltown to Lackawanna River	Luzerne	WWF	Add TON and Mn
2—Unnamed Tributaries to Susquehanna River	Basins (all sections in PA), PA-NY State Border to Wyalusing Creek	Bradford	WWF	None
2—Cayuta Creek	Basin (all sections in PA)	Bradford	WWF	None
2—Saterlee Creek	Basin	Bradford	CWF	None
2—Chemung River	Main Stem (all sections in PA)	Bradford	WWF	None
3—Unnamed Tributaries to Chemung River	Basin (all sections in PA)	Bradford	WWF	None
3—Seeley Creek	Basin (all sections in PA)	Bradford	CWF	None
3—Bentley Creek	Basin (all sections in PA)	Bradford	WWF	None
3—Stone Lick Creek	Basin	Bradford	WWF	None
3—Orcutt Creek	Basin	Bradford	WWF	None
3—Dry Brook	Basin	Bradford	WWF	None
3—Tutelow Creek	Basin	Bradford	WWF	None
3—Murray Creek	Basin	Bradford	WWF	None
3—Walcott Creek	Basin	Bradford	WWF	None
2—Buck Creek	Basin	Bradford	WWF	None
2—Mallory Creek	Basin	Bradford	WWF	None
2—Spaulding Creek	Basin	Bradford	WWF	None
2—Snyder Creek	Basin	Bradford	WWF	None
2—Cash Creek	Basin	Bradford	WWF	None
2—Toad Hollow	Basin	Bradford	WWF	None
2—Horn Brook	Basin	Bradford	WWF	None
2—Hemlock Run	Basin	Bradford	WWF	None
2—Sugar Creek	Basin, Source to Tomjack Creek	Bradford	TSF	None
3—Tomjack Creek	Basin	Bradford	TSF	None
2—Sugar Creek	Basin, Tomjack Creek to Mouth	Bradford	WWF	None
2—Towanda Creek	Basin, Source to Canton Borough	Bradford	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Towanda Creek	Main Stem, Canton Borough to South Branch	Bradford	TSF	None
3—Unnamed Tributaries to Towanda Creek	Basins, Canton Borough to South Branch	Bradford	CWF	None
3—Mill Creek	Basin	Bradford	CWF	None
3—Alba Creek	Basin	Bradford	CWF	None
3—North Branch Towanda Creek	Basin	Bradford	CWF	None
3—Preacher Brook	Basin	Bradford	CWF	None
3—Schrader Creek	Basin, Source to Coal Run	Bradford	EV	None
4—Coal Run	Basin	Bradford	HQ-CWF	None
3—Schrader Creek	Basin, Coal Run to Mouth	Bradford	HQ-CWF	None
3—South Branch Towanda Creek	Basin	Bradford	CWF	None
2—Towanda Creek	Main Stem, South Branch to Mouth	Bradford	WWF	None
3—Unnamed Tributaries to Towanda Creek	Basins, South Branch to Mouth	Bradford	CWF	None
2—Little Wysox Creek	Basin	Bradford	WWF	None
2—Wysox Creek	Basin	Bradford	CWF	None
2—Vought Creek	Basin	Bradford	WWF	None
2—Bennetts Creek	Basin	Bradford	WWF	None
2—Durell Creek	Basin	Bradford	WWF	None
2—King Creek	Basin	Bradford	WWF	None
2—Rummerfield Creek	Basin	Bradford	WWF	None
2—Wyalusing Creek				
3—East Branch Wyalusing Creek	Main Stem, Source to Confluence with Middle Branch	Susquehanna	CWF	None
4—Unnamed Tributaries to East Branch Wyalusing Creek	Basins	Susquehanna	CWF	None
4—Beebe Creek	Basin	Susquehanna	CWF	None
4—Pettis Creek	Basin	Susquehanna	WWF	None
4—Forest Lake Creek	Basin	Susquehanna	CWF	None
4—South Branch	Basin	Susquehanna	WWF	None
4—Roe Creek	Basin	Susquehanna	CWF	None
4—Snell Creek	Basin	Susquehanna	CWF	None
4—Devel Creek	Basin	Susquehanna	CWF	None
4—Elk Lake Stream	Basin	Susquehanna	CWF	None
4—Deer Lick Creek	Basin	Susquehanna	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Middle Branch Wyalusing Creek	Basin, Source to Confluence with East Branch	Susquehanna	CWF	None
2—Wyalusing Creek	Basin, Confluence of East and Middle Branches to North Branch	Bradford	WWF	None
3—North Branch Wyalusing Creek	Basin	Susquehanna	CWF	None
2—Wyalusing Creek	Basin, North Branch to Mouth	Bradford	WWF	None
2—Unnamed Tributaries to Susquehanna River	Basins, Wyalusing Creek to Lackawanna River	Bradford-Wyoming-Lackawanna-Luzerne	CWF	None
2—Sugar Run Creek	Basin	Bradford	CWF	None
2—Rocky Forest Creek	Basin	Wyoming	CWF	None
2—Little Tuscarora Creek	Basin	Wyoming	CWF	None
2—Tuscarora Creek	Basin	Wyoming	CWF	None
2—Roaring Run	Basin	Wyoming	CWF	None
2—Black Walnut Creek	Basin	Wyoming	CWF	None
2—Meshoppen Creek	Basin	Wyoming	CWF	None
2—Little Mehoopany Creek	Basin	Wyoming	CWF	None
2—Mehoopany Creek	Basin, Source to North Fork	Wyoming	HQ-CWF	None
3—North Fork Mehoopany Creek	Basin	Wyoming	CWF	None
2—Mehoopany Creek	Basin, North Fork to Mouth	Wyoming	CWF	None
2—Taques Creek	Basin	Wyoming	CWF	None
2—Tunkhannock Creek	Main Stem, Source to Susquehanna-Wyoming County Border	Susquehanna-Wyoming	CWF	None
3—Unnamed Tributaries to Tunkhannock Creek	Basins, Source to Susquehanna-Wyoming County Border	Susquehanna	CWF	None
3—Bear Swamp Creek	Basin	Susquehanna	CWF	None
3—Bell Creek	Basin	Susquehanna	CWF	None
3—Leslie Creek	Basin	Susquehanna	CWF	None
3—Partners Creek	Basin	Susquehanna	CWF	None
3—Tower Branch	Basin	Susquehanna	CWF	None
3—Millard Creek	Basin	Susquehanna	CWF	None
3—East Branch Tunkhannock Creek	Basin, Source to Dundaff Creek	Susquehanna	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Dundaff Creek	Basin, Source to Unnamed Tributary at RM 4.39 (Newton Lake Outlet)	Susquehanna	CWF	None
5—Unnamed Tributaries to Dundaff Creek at RM 4.39	Basin	Susquehanna	WWF	None
4—Dundaff Creek	Basin, Unnamed Tributary at RM 4.39 to Mouth	Susquehanna	CWF	None
3—East Branch Tunkhannock Creek	Basin, Dundaff Creek to Mouth	Susquehanna	CWF	None
2—Tunkhannock Creek	Main Stem, Susquehanna-Wyoming County Border to Mouth	Wyoming	TSF	None
3—Unnamed Tributaries to Tunkhannock Creek	Basin, Susquehanna-Wyoming Border to Mouth	Wyoming	CWF	None
3—Willow Brook	Basin	Wyoming	CWF	None
3—Martins Creek	Basin	Wyoming	CWF	None
3—Horton Creek	Basin	Wyoming	CWF	None
3—Field Brook	Basin	Wyoming	CWF	None
3—Monroe Creek	Basin	Wyoming	CWF	None
3—Oxbow Creek	Basin	Wyoming	CWF	None
3—South Branch Tunkhannock Creek	Main Stem	Wyoming	TSF	None
4—Unnamed Tributaries to South Branch Tunkhannock Creek	Basins	Lackawanna-Wyoming	CWF	None
4—Kennedy Creek	Basin	Lackawanna	CWF	None
4—Ackerly Creek	Main Stem	Lackawanna	TSF	None
5—Unnamed Tributaries to Ackerly Creek	Basins	Lackawanna	CWF	None
3—Billings Mill Brook	Basin	Wyoming	CWF	None
3—Swale Brook	Basin	Wyoming	CWF	None
2—Bowman Creek				
3—South Branch Bowman Creek	Basin, Source to Confluence with North Branch	Luzerne	HQ-CWF	None
3—North Branch Bowman Creek	Basin, Source to Confluence with South Branch	Luzerne	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Bowman Creek	Main Stem, Confluence of South and North Branches to Mouth	Wyoming	HQ-CWF	None
3—Unnamed Tributaries to Bowman Creek	Basins, Confluence of South and North Branches to Mouth	Luzerne-Wyoming	HQ-CWF	None
3—Bean Run	Basin	Luzerne	HQ-CWF	None
3—Wolf Run	Basin	Luzerne	HQ-CWF	None
3—Beth Run	Basin	Luzerne	HQ-CWF	None
3—Butternut Run	Basin	Luzerne	HQ-CWF	None
3—Cider Run	Basin	Wyoming	EV	None
3—Sugar Run	Basin	Wyoming	HQ-CWF	None
3—Broad Hollow Run	Basin	Wyoming	HQ-CWF	None
3—Baker Run (Windfall Run)	Basin	Wyoming	HQ-CWF	None
3—Sorber Run	Basin	Wyoming	EV	None
3—Stone Run	Basin	Wyoming	HQ-CWF	None
3—York Run	Basin	Wyoming	HQ-CWF	None
3—Hettesheimer Run	Basin	Wyoming	HQ-CWF	None
3—Beaver Run	Basin	Wyoming	HQ-CWF	None
3—South Run	Basin	Wyoming	HQ-CWF	None
3—Leonards Creek	Basin	Wyoming	HQ-CWF	None
3—Roaring Run	Basin	Wyoming	HQ-CWF	None
3—Marsh Creek	Basin	Wyoming	HQ-CWF	None
3—Sugar Hollow Creek	Basin	Wyoming	HQ-CWF	None
3—Benson Hollow	Basin	Wyoming	HQ-CWF	None
2—Mill Run (Osterhout Creek)	Basin	Wyoming	CWF	None
2—Moneypenny Creek	Basin	Wyoming	CWF	None
2—Martin Creek	Basin	Wyoming	CWF	None
2—Fitch Creek	Basin	Wyoming	CWF	None
2—Buttermilk Creek	Basin	Wyoming	CWF	None
2—Whitelock Creek	Basin	Wyoming	CWF	None
2—Keeler Creek	Basin	Wyoming	CWF	None
2—Dymond Creek	Basin	Luzerne	CWF	None
2—Sutton Creek	Basin	Luzerne	CWF	None
2—Lewis Creek	Basin	Lackawanna	CWF	None
2—Gardner Creek	Basin	Luzerne	CWF	None
2—Obendoffers Creek	Basin	Luzerne	CWF	None
2—Hicks Creek	Basin	Luzerne	CWF	None

Source

The provisions of this § 93.9i adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (199345) to (199350) and (203663) to (203664).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); and 25 Pa. Code § 93.1 (relating to definitions).

§ 93.9j. Drainage List J.

Susquehanna River Basin in Pennsylvania
Lackawanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1--Susquehanna River				
2--Lackawanna River				
3--West Branch Lackawanna River	Basin, Source to Confluence with East Branch	Susquehanna	CWF	None
3--East Branch Lackawanna River	Basin, Source to Confluence with West Branch	Susquehanna	HQ-CWF	None
2--Lackawanna River	Main Stem, Confluence East and West Branches to Rush Brook	Lackawanna	TSF	None
3--Unnamed Tributaries to Lackawanna River	Basins, Confluence of East and West Branches to Rush Brook	Susquehanna- Wayne- Lackawanna	CWF	None
3--Brace Brook	Basin	Susquehanna	CWF	None
3--Wilson Creek	Basin	Lackawanna	CWF	None
3--Coal Brook	Basin	Lackawanna	CWF	None
3--Racket Brook	Basin	Lackawanna	CWF	None
3--Fall Brook	Basin	Lackawanna	CWF	None
3--Lees Creek	Basin	Lackawanna	CWF	None
3--Powderly Creek	Basin	Lackawanna	CWF	None
3--Rush Brook	Basin	Lackawanna	CWF	None
2--Lackawanna River	Main Stem, Rush Brook to Mouth	Luzerne	WWF	None
3--Unnamed Tributaries to Lackawanna River	Basins, Rush Brook to Mouth	Lackawanna	CWF	None
3--Aylesworth Creek	Basin	Lackawanna	CWF	None
3--White Oak Run	Basin	Lackawanna	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Laurel Run	Basin	Lackawanna	CWF	None
3—Grassey Island Creek	Basin, Source to 1100 ft Contour Line (Olyphant 7 1/2' Quadrangle)	Lackawanna	HQ-CWF	None
3—Grassey Island Creek	Basin, 1100 ft Contour Line to Mouth	Lackawanna	CWF	None
3—Sterry Creek	Basin	Lackawanna	CWF	None
3—Wildcat Creek	Basin	Lackawanna	CWF	None
3—Hull Creek	Basin	Lackawanna	CWF	None
3—Eddy Creek	Basin	Lackawanna	WWF	None
3—Leggetts Creek	Basin, Source to Summit Lake Creek	Lackawanna	CWF	None
4—Summit Lake Creek	Basin	Lackawanna	TSF	None
3—Leggetts Creek	Basin, Summit Lake Creek to Mouth	Lackawanna	TSF	None
3—Meadow Brook	Basin	Lackawanna	CWF	None
3—Roaring Brook	Basin, Source to Elmhurst Reservoir	Lackawanna	HQ-CWF	None
3—Roaring Brook	Basin, Elmhurst Reservoir to Mouth	Lackawanna	CWF	None
3—Stafford Meadow Brook	Basin, Source to Farthest Downstream Crossing of Scranton-Moosic Corporate Boundary	Lackawanna	HQ-CWF	None
3—Stafford Meadow Brook	Basin, Farthest Downstream Crossing of Scranton-Moosic Corporate Boundary to Mouth	Lackawanna	WWF	None
3—Keyser Creek	Basin	Lackawanna	CWF	None
3—Spring Brook	Basin, Source to N. E. Ext. PA Turnpike	Lackawanna	HQ-CWF	None
3—Spring Brook	Basin, N. E. Ext. PA Turnpike to Mouth	Lackawanna	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Mill Creek	Basin	Lackawanna	CWF	None
3—St. Johns Creek	Basin	Luzerne	CWF	None
3—Red Spring Run	Basin	Luzerne	CWF	None

Source

The provisions of this § 93.9j adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037.

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); and 25 Pa. Code § 93.1 (relating to definitions).

§ 93.9k. Drainage List K.

Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River	Main Stem, Lackawanna River to West Branch Susquehanna River	Northumberland	WWF	None
2—Unnamed Tributaries To Susquehanna River	Basins, Lackawanna River to West Branch Susquehanna River	Luzerne-Columbia Montour Northumberland	CWF	None
2—Abrahams Creek	Basin	Luzerne	CWF	None
2—Mill Creek (Warden Creek)	Basin	Luzerne	CWF	None
2—Toby Creek	Basin, Source to Huntsville Creek	Luzerne	CWF	None
3—Huntsville Creek	Basin	Luzerne	CWF	None
2—Toby Creek	Basin, Huntsville Creek to the point where the stream is piped underground at Pringle	Luzerne	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Toby Creek	Basin, from the point where the stream is piped underground at Pringle to the Mouth	Luzerne	WWF	None
2—Brown Creek	Basin	Luzerne	CWF	None
2—Wadham Creek	Basin	Luzerne	CWF	None
2—Coal Creek	Basin	Luzerne	CWF	None
2—Solomon Creek	Basin	Luzerne	CWF	None
2—Warrior Creek	Basin	Luzerne	CWF	None
2—Nanticoke Creek	Basin	Luzerne	CWF	None
2—Harvey Creek	Basin, Source to Pikes Creek	Luzerne	HQ-CWF	None
3—Pikes Creek	Basin	Luzerne	HQ-CWF	None
2—Harvey Creek	Basin, Pikes Creek to Mouth	Luzerne	CWF	None
2—Hunlock Creek	Basin	Luzerne	CWF	None
2—Shickshinny Creek	Main Stem	Luzerne	CWF	None
3—Unnamed Tributaries to Shickshinny Creek	Basins	Luzerne	CWF	None
3—Culver Creek	Basin	Luzerne	CWF	None
3—Reyburn Creek	Basin	Luzerne	CWF	None
3—Little Shickshinny Creek	Basin	Luzerne	HQ-CWF	None
2—Black Creek	Basin	Luzerne	CWF	None
2—Turtle Creek	Basin	Luzerne	CWF	None
2—Rocky Run	Basin	Luzerne	CWF	None
2—Little Wapwallopen Creek	Basin	Luzerne	CWF	None
2—Wapwallopen Creek (Big Wapwallopen Creek)	Basin	Luzerne	CWF	None
2—Walker Run	Basin	Luzerne	CWF	None
2—Salem Creek	Basin	Luzerne	CWF	None
2—Nescopeck Creek	Basin, Source to PA 309 Bridge	Luzerne	HQ-CWF	None
2—Nescopeck Creek	Main Stem, PA 309 Bridge to Mouth	Luzerne-Columbia	TSF	None
3—Unnamed Tributaries to Nescopeck Creek	Basins, PA 309 Bridge to Mouth	Luzerne-Columbia	CWF	None
3—Creasy Creek	Basin	Luzerne	CWF	None
3—Little Nescopeck Creek	Basin	Luzerne	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Oley Creek	Basin, Source to farthest downstream crossing of State Game Lands No. 187 Border	Luzerne	HQ-CWF	None
3—Oley Creek	Basin, Farthest down-stream crossing of State Game Lands No. 187 Border to Mouth	Luzerne	CWF	None
3—Long Run	Basin	Luzerne	CWF	None
3—Little Nescopeck Creek	Basin	Luzerne	CWF	None
3—Black Creek	Basin	Luzerne	CWF	None
2—Briar Creek	Basin	Columbia	CWF	None
2—Tenmile Run	Basin	Columbia	CWF	None
2—Neals Run	Basin	Columbia	CWF	None
2—Fishing Creek				
3—West Branch Fishing Creek	Basin, Source to Shingle Mill Run	Sullivan	HQ-CWF	None
4—Shingle Mill Run	Basin	Sullivan	EV	None
3—West Branch Fishing Creek	Basin, Shingle Mill Run to Elk Run	Columbia	HQ-CWF	None
4—Elk Run	Basin	Columbia	EV	None
3—West Branch Fishing Creek	Basin, Elk Run to Confluence with East Branch	Columbia	HQ-CWF	None
3—East Branch Fishing Creek	Basin, Source to Confluence with West Branch	Columbia	HQ-CWF	None
2—Fishing Creek	Basin, Confluence of East and West Branches to Huntingdon Creek	Columbia	CWF	None
3—Huntingdon Creek	Basin, Source to Kitchen Creek	Luzerne	HQ-CWF	None
4—Kitchen Creek	Basin	Luzerne	HQ-CWF	None
3—Huntingdon Creek	Main Stem, Kitchen Creek to Mouth	Columbia	TSF	None
4—Unnamed Tributaries to Huntingdon Creek	Basins, Kitchen Creek to Mouth	Luzerne	CWF	None
4—Rogers Creek	Basin	Luzerne	CWF	None
4—Kingsbury Brook	Basin	Luzerne	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Pine Creek	Basin	Luzerne	CWF	None
2—Fishing Creek	Basin, Huntington Creek to Green Creek	Columbia	TSF	None
3—Green Creek	Basin	Columbia	TSF	None
2—Fishing Creek	Main Stem, Green Creek to Mouth	Columbia	WWF	None
3—Unnamed Tributaries to Fishing Creek	Basins, Green Creek to Mouth	Columbia	CWF	None
3—Stony Brook	Basin	Columbia	CWF	None
3—Little Fishing Creek	Basin, Source to Lick Run	Columbia	EV	None
4—Lick Run	Basin	Columbia	CWF	None
3—Little Fishing Creek	Basin, Lick Run to Mouth	Columbia	CWF	None
3—Hemlock Creek	Basin	Columbia	CWF	None
3—Montour Run	Basin	Columbia	CWF	None
2—Corn Run	Basin	Columbia	CWF	None
2—Catawissa Creek	Main Stem, Source to Rattling Run	Luzerne	CWF	None
3—Unnamed Tributaries to Catawissa Creek	Basins, Source to Rattling Run	Luzerne-Schuylkill	CWF	None
3—Hunkydory Creek	Basin	Luzerne	CWF	None
3—Messers Run	Basin	Schuylkill	HQ-CWF	None
3—Davis Run	Basin	Schuylkill	HQ-CWF	None
3—Rattling Run	Basin	Schuylkill	CWF	None
2—Catawissa Creek	Main Stem, Rattling Run to Mouth	Columbia	TSF	None
3—Unnamed Tributaries to Catawissa Creek	Basins, Rattling Run to Mouth	Schuylkill-Columbia	CWF	None
3—Dark Run	Basin	Schuylkill	HQ-CWF	None
3—Little Catawissa Creek	Basin, Source to T431	Schuylkill	HQ-CWF	None
3—Little Catawissa Creek	Basin, T431 to Mouth	Schuylkill	CWF	None
3—Tomhicken Creek	Basin	Schuylkill	CWF	None
3—Crooked Run	Basin	Schuylkill	CWF	None
3—Cranberry Run	Basin	Columbia	CWF	None
3—Klingermans Run	Basin	Columbia	CWF	None
3—Beaver Run	Basin	Columbia	CWF	None
3—Mine Gap Run	Basin	Columbia	CWF	None
3—Fisher Run	Basin	Columbia	CWF	None
3—Scotch Run	Basin	Columbia	CWF	None
3—Furnace Run	Basin	Columbia	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Roaring Creek	Basin, Source to Lick Run	Columbia	HQ-CWF	None
3—Lick Run	Basin	Columbia	CWF	None
2—Roaring Creek	Main Stem, Lick Run to Mouth	Columbia-Montour	TSF	None
3—Unnamed Tributaries to Roaring Creek	Basins, Lick Run to Mouth	Columbia-Montour	CWF	None
3—Lick Run	Basin	Columbia	CWF	None
3—South Branch Roaring Creek	Basin	Columbia	HQ-CWF	None
2—Little Roaring Creek	Basin	Northumberland	CWF	None
2—Logan Run	Basin	Northumberland	CWF	None
2—Toby Run	Basin	Montour	CWF	None
2—Sechler Run	Basin	Montour	CWF	None
2—Mahoning Creek	Main Stem, Source to PA 54 Bridge	Montour	TSF	None
3—Unnamed Tributaries to Mahoning Creek	Basins, Source to PA 54 Bridge	Montour	CWF	None
3—Kase Run	Basin	Montour	CWF	None
3—Mausers Creek	Basin	Montour	CWF	None
2—Mahoning Creek	Main Stem, PA 54 Bridge to Mouth	Montour	WWF	None
3—Unnamed Tributaries to Mahoning Creek	Basin, PA 54 Bridge to Mouth	Montour	CWF	None
2—Wilson Run	Basin	Northumberland	CWF	None
2—Gravel Run	Basin	Northumberland	CWF	None
2—Lithia Spring Creek	Basin	Northumberland	CWF	None

Source

The provisions of this § 93.9k adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247. Immediately preceding text appears at serial pages (203666) to (203668).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.91. Drainage List L.

Susquehanna River Basin in Pennsylvania
West Branch Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River				
2—West Branch Susquehanna River	Main Stem	Northumberland	WWF	None
3—Unnamed Tributaries to West Branch Susquehanna River	Basins, Source to Moshannon Creek	Cambria-Indiana-Clearfield	CWF	None
3—Leslie Run	Basin	Cambria	CWF	None
3—Hoppel Run	Basin	Cambria	CWF	None
3—Fox Run	Basin	Cambria	CWF	None
3—Browns Run	Basin	Cambria	CWF	None
3—Walnut Run	Basin	Cambria	CWF	None
3—Porter Run	Basin	Cambria	CWF	None
3—Moss Creek	Basin	Cambria	CWF	None
3—Douglas Run	Basin	Cambria	CWF	None
3—Emeigh Run	Basin	Cambria	CWF	None
3—Peg Run	Basin	Cambria	CWF	None
3—Cush Cushion Creek	Basin	Indiana	HQ-CWF	None
3—Kilns Run	Basin	Clearfield	CWF	None
3—Kings Run	Basin	Clearfield	CWF	None
3—Shyrock Run	Basin	Clearfield	CWF	None
3—Boiling Spring Run	Basin	Clearfield	CWF	None
3—Sawmill Run	Basin	Clearfield	CWF	None
3—Rock Run	Basin	Clearfield	CWF	None
3—Cush Creek	Basin	Clearfield	CWF	None
3—Martin Run	Basin	Clearfield	CWF	None
3—North Run	Basin	Clearfield	CWF	None
3—Deer Run	Basin	Clearfield	CWF	None
3—Bear Run	Basin	Clearfield	CWF	None
3—Whisky Run	Basin	Clearfield	CWF	None
3—Chest Creek	Basin, Source to Patton Water Supply	Cambria	HQ-CWF	None
3—Chest Creek	Basin, Patton Water Supply to Rogues Harbor Run	Clearfield	CWF	None
4—Rogues Harbor Run	Basin	Clearfield	EV	None
3—Chest Creek	Basin, Rogues Harbor Run to Mouth	Clearfield	CWF	None
3—Miller Run	Basin	Clearfield	CWF	None
3—Laurel Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Haslett Run	Basin	Clearfield	CWF	None
3—Curry Run	Basin	Clearfield	CWF	None
3—McCracken Run	Basin	Clearfield	CWF	None
3—Bell Run	Basin	Clearfield	CWF	None
3—Hiles Run	Basin	Clearfield	CWF	None
3—Passmore Run	Basin	Clearfield	CWF	None
3—Porter Run	Basin	Clearfield	CWF	None
3—Anderson Creek	Basin, Source to DuBois Dam	Clearfield	HQ-CWF	None
3—Anderson Creek	Basin, DuBois Dam to Bear Run	Clearfield	CWF	None
4—Bear Run	Basin, Source to Pike Twp. Municipal Authority Dam	Clearfield	HQ-CWF	None
4—Bear Run	Basin, Pike Twp. Municipal Authority Dam to Mouth	Clearfield	CWF	None
3—Anderson Creek	Basin, Bear Run to Mouth	Clearfield	CWF	None
3—Hogback Run	Basin	Clearfield	CWF	None
3—Hartshorn Run	Basin	Clearfield	CWF	None
3—Montgomery Creek	Basin, Source to Montgomery Dam	Clearfield	HQ-CWF	None
3—Montgomery Creek	Basin, Montgomery Dam to Mouth	Clearfield	CWF	None
3—Moose Creek	Basin, Source to Dam	Clearfield	HQ-CWF	None
3—Moose Creek	Basin, Dam to Mouth	Clearfield	CWF	None
3—Wolf Run	Basin	Clearfield	CWF	None
3—Clearfield Creek	Main Stem	Clearfield	WWF	None
4—Unnamed Tributaries to Clearfield Creek	Basins	Cambria-Clearfield	CWF	None
4—Bradley Run	Basin	Cambria	CWF	None
4—Beaverdam Run	Basin	Cambria	CWF	None
4—Swartz Run	Basin	Cambria	CWF	None
4—Little Laurel Run	Basin	Cambria	CWF	None
4—Indian Run	Basin	Cambria	CWF	None
4—Laurel Run	Basin	Cambria	CWF	None
4—Brubaker Run	Basin	Cambria	CWF	None
4—Sandy Run	Basin	Cambria	CWF	None
4—Powell Run	Basin	Cambria	CWF	None
4—Beaverdam Run	Basin	Cambria	CWF	None
4—Turner Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Blain Run	Basin	Clearfield	CWF	None
4—North Witmer Run	Basin	Clearfield	CWF	None
4—DeWitt Run	Basin	Clearfield	CWF	None
4—Pine Run	Basin	Clearfield	CWF	None
4—Dotts Hollow	Basin	Clearfield	CWF	None
4—Cofinan Run	Basin	Clearfield	CWF	None
4—Blue Run	Basin	Clearfield	CWF	None
4—Buck Run (Porter Run)	Basin	Clearfield	CWF	None
4—Maplepole Run	Basin	Clearfield	CWF	None
4—Muddy Run	Basin, Source to Little Muddy Run	Clearfield	CWF	None
5—Little Muddy Run	Basin, Source to Janesville Sportsman Dam	Clearfield	HQ-CWF	None
5—Little Muddy Run	Basin, Janesville Sportsman Dam to Mouth	Clearfield	CWF	None
4—Muddy Run	Basin, Little Muddy Run to Mouth	Clearfield	CWF	None
4—Japling Run	Basin	Clearfield	CWF	None
4—Pine Run	Basin	Clearfield	CWF	None
4—Lost Run	Basin	Clearfield	CWF	None
4—Upper Morgan Run	Basin	Clearfield	CWF	None
4—Potts Run	Basin	Clearfield	CWF	None
4—Dunlap Run	Basin	Clearfield	CWF	None
4—Lytle Run	Basin	Clearfield	CWF	None
4—Cherry Run	Basin	Clearfield	CWF	None
4—Raccoon Run	Basin	Clearfield	CWF	None
4—Sanhourn Run	Basin	Clearfield	CWF	None
4—Camp Hope Run	Basin	Clearfield	CWF	None
4—Morgan Run	Basin	Clearfield	CWF	None
4—Little Clearfield Creek	Basin	Clearfield	HQ-CWF	None
4—Long Run	Basin	Clearfield	CWF	None
4—Roaring Run	Basin	Clearfield	CWF	None
3—Abes Run	Basin	Clearfield	CWF	None
3—Lick Run	Basin	Clearfield	HQ-CWF	None
3—Devils Run	Basin	Clearfield	CWF	None
3—Bloody Run	Basin	Clearfield	CWF	None
3—Trout Run	Basin	Clearfield	HQ-CWF	None
3—Millstone Run	Basin	Clearfield	CWF	None
3—Surveyor Run	Basin	Clearfield	CWF	None
3—Bear Run	Basin	Clearfield	CWF	None
3—Bald Hill Run	Basin	Clearfield	CWF	None
3—Moravian Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Deer Creek	Basin	Clearfield	CWF	None
3—Big Run	Basin	Clearfield	CWF	None
3—Willholm Run	Basin	Clearfield	CWF	None
3—Sandy Creek	Basin	Clearfield	CWF	None
3—Alder Run	Basin	Clearfield	CWF	None
3—Rolling Stone Run	Basin	Clearfield	CWF	None
3—Mowry Run	Basin	Clearfield	CWF	None
3—Basin Run	Basin	Clearfield	CWF	None
3—Rock Run	Basin	Clearfield	CWF	None
3—Potter Run	Basin	Clearfield	CWF	None
3—Rupley Run	Basin	Clearfield	CWF	None
3—Moshannon Creek	Main Stem	Clearfield-Centre	TSF	None
4—Unnamed Tributaries to Moshannon Creek	Basins	Clearfield-Centre	CWF	None
4—Wilson Run	Basin	Clearfield	CWF	None
4—Roup Run	Basin	Centre	CWF	None
4—Whiteside Run	Basin	Clearfield	CWF	None
4—Mountain Branch	Basin, Source to Trim Root Run	Centre	HQ-CWF	None
5—Trim Root Run	Basin	Centre	HQ-CWF	None
4—Mountain Branch	Basin, Trim Root Run to Mouth	Centre	CWF	None
4—Bear Run	Basin	Centre	CWF	None
4—Beaver Run	Basin	Clearfield	CWF	None
4—Big Run	Basin	Clearfield	CWF	None
4—Trout Run	Basin, Source to Montola Dam	Centre	HQ-CWF	None
4—Trout Run	Basin, Montola Dam to Mouth	Centre	CWF	None
4—Shimel Run	Basin	Clearfield	CWF	None
4—Laurel Run	Basin	Clearfield	CWF	None
4—Cold Stream	Basin, Source to US 322	Centre	HQ-CWF	None
4—Cold Stream	Basin, US 322 to Mouth	Centre	CWF	None
4—Emigh Run	Basin	Clearfield	CWF	None
4—Onemile Run	Basin	Centre	CWF	None
4—Hawk Run	Basin	Clearfield	CWF	None
4—Wolf Run	Basin	Centre	CWF	None
4—Sulphur Run	Basin	Clearfield	CWF	None
4—Black Bear Run	Basin	Centre	EV	None
4—Sixmile Run	Basin	Centre	HQ-CWF	None
4—Tark Hill Run	Basin	Centre	CWF	None
4—Potter Run	Basin	Centre	CWF	None
4—Laurel Run	Basin	Centre	CWF	None
4—Browns Run	Basin	Clearfield	CWF	None
4—Grassflat Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Weber Run	Basin	Clearfield	CWF	None
4—Crawford Run	Basin	Clearfield	CWF	None
4—Black Moshannon Creek	Main Stem	Centre	HQ-CWF	None
5—Unnamed Tributaries to Black Moshannon Creek	Basins	Centre	HQ-CWF	None
5—Shirks Run	Basin	Centre	HQ-CWF	None
5—Smays Run	Basin	Centre	HQ-CWF	None
5—North Run	Basin	Centre	HQ-CWF	None
5—Benner Run	Basin, Source to Pine Haven Camp	Centre	EV	None
5—Benner Run	Basin, Pine Haven Camp to Mouth	Centre	HQ-CWF	None
5—Hall Run	Basin	Centre	HQ-CWF	None
5—Myers Run	Basin	Centre	HQ-CWF	None
5—Rock Run	Basin	Centre	EV	None
5—Pine Run	Basin	Centre	HQ-CWF	None
5—Hicklen Run	Basin	Centre	HQ-CWF	None
4—Sevenmile Run	Basin	Centre	CWF	None
4—Ames Run	Basin	Clearfield	HQ-CWF	None
3—Unnamed Tributaries to West Branch Susquehanna River	Basins, Moshannon Creek to RM 121.36	Centre- Clinton	HQ-CWF	None
3—Redlick Run	Basin	Centre	HQ-CWF	None
3—Mosquito Creek	Main Stem	Clearfield	HQ-CWF	None
4—Unnamed Tributaries to Mosquito Creek	Basins	Elk- Clearfield	HQ-CWF	None
4—Pebble Run	Basin	Elk	HQ-CWF	None
4—Beaver Run	Basin	Elk	HQ-CWF	None
4—McNerny Run	Basin	Clearfield	HQ-CWF	None
4—Meeker Run	Basin	Clearfield	HQ-CWF	None
4—Panther Run	Basin	Clearfield	HQ-CWF	None
4—Twelvemile Run	Basin	Clearfield	EV	None
4—Gifford Run	Basin	Clearfield	HQ-CWF	None
4—Susman Run	Basin	Clearfield	HQ-CWF	None
4—Cole Run	Basin	Clearfield	EV	None
4—Grimes Run	Basin	Clearfield	HQ-CWF	None
4—Dutch Hollow	Basin	Clearfield	HQ-CWF	None
4—Curleys Run	Basin	Clearfield	HQ-CWF	None
3—Laurel Run	Basin	Centre	HQ-CWF	None
3—Saltlick Run	Basin	Clearfield	HQ-CWF	None
3—Upper Three Runs	Basin	Clearfield	HQ-CWF	None
3—Lower Three Runs	Basin	Clearfield	HQ-CWF	None
3—Sterling Run	Basin	Centre	HQ-CWF	None
3—Loop Run	Basin	Clinton	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Spruce Run	Basin	Centre	HQ-CWF	None
3—Unnamed Tributary to West Branch Susquehanna River at RM 121.36	Basin	Clinton	CWF	None
3—Unnamed Tributaries to West Branch Susquehanna River	Basins, RM 121.36 to Queens Run	Clinton	HQ-CWF	None
3—Bougher Run	Basin	Centre	HQ-CWF	None
3—Little Bougher Run	Basin	Clinton	CWF	None
3—Leaning Pine Run	Basin	Clinton	HQ-CWF	None
3—Moores Run	Basin	Centre	HQ-CWF	None
3—Sugarcamp Run	Basin	Clinton	HQ-CWF	None
3—Birch Island Run	Basin	Clinton	HQ-CWF	None
3—Black Stump Run	Basin	Clinton	HQ-CWF	None
3—Grove Run	Basin	Clinton	HQ-CWF	None
3—Fields Run	Basin	Centre	HQ-CWF	None
3—Yost Run	Basin	Centre	EV	None
3—Morris Run	Basin	Clinton	HQ-CWF	None
3—Dry Run	Basin	Clinton	HQ-CWF	None
3—Burns Run	Basin	Centre	EV	None
3—Jews Run	Basin	Clinton	HQ-CWF	None
3—Sinnemahoning Creek				
4—Bennett Branch Sinnemahoning Creek	Main Stem, Source to Mill Run	Cameron	CWF	None
5—Unnamed Tributaries to Bennett Branch Sinnemahoning Creek	Basins	Clearfield-Elk-Cameron	CWF	None
5—McCracken Run	Basin	Clearfield	CWF	None
5—South Branch Bennett Branch	Basin	Clearfield	HQ-CWF	None
5—Heath Run	Basin	Clearfield	CWF	None
5—Bark Camp Run	Basin	Clearfield	CWF	None
5—Mountain Run	Basin	Clearfield	CWF	None
5—Matley Hollow	Basin	Clearfield	CWF	None
5—Wilson Run	Basin, Source to East Branch Wilson Run	Clearfield	CWF	None
6—East Branch Wilson Run	Basin	Clearfield	HQ-CWF	None
5—Wilson Run	Basin, East Branch Wilson Run to Mouth	Clearfield	CWF	None
5—Moose Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Horning Run	Basin	Clearfield	CWF	None
5—Lamb Hollow	Basin	Clearfield	CWF	None
5—Horning Hollow	Basin	Clearfield	CWF	None
5—Mill Run	Basin	Clearfield	CWF	None
4—Bennett Branch	Main Stem, Mill	Cameron	WWF	None
Sinnemahoning Creek	Run to Confluence with Driftwood Branch			
5—Tyler Run	Basin	Clearfield	CWF	None
5—Cherry Run	Basin, Source to Shawmut Dam	Elk	HQ-CWF	None
5—Cherry Run	Basin, Shawmut Dam to Mouth	Elk	CWF	None
5—Kersey Run	Basin, Source to Byrnes Run	Elk	CWF	None
6—Byrnes Run	Basin	Elk	EV	None
5—Kersey Run	Basin, Byrnes Run to Mouth	Elk	CWF	None
5—Laurel Run	Basin	Elk	HQ-CWF	None
5—Bakemans Run	Basin	Elk	CWF	None
5—Medix Run	Basin	Elk	HQ-CWF	None
5—Trout Run	Basin	Elk	CWF	None
5—Jimmy Run	Basin	Elk	CWF	None
5—Johnson Run	Basin	Elk	CWF	None
5—Wainwright Run	Basin	Elk	CWF	None
5—Charlies Run	Basin	Elk	CWF	None
5—Dents Run	Basin	Elk	CWF	None
5—Hicks Run				
6—East Branch Hicks Run	Basin Source to Confluence with West Branch	Elk	HQ-CWF	None
6—West Branch Hicks Run	Basin, Source to Confluence with East Branch	Elk	EV	None
5—Hicks Run	Basin, Confluence of East and West Branches to Mouth	Cameron	HQ-CWF	None
5—Hicks Hollow	Basin	Cameron	CWF	None
5—Beaverdam Run	Basin	Cameron	CWF	None
5—Stone Quarry Hollow	Basin	Cameron	CWF	None
5—Miller Run	Basin	Cameron	CWF	None
5—Water Plug Hollow	Basin	Cameron	CWF	None
5—Mix Run	Basin, Source to English Draft Run	Elk	EV	None
6—English Draft Run	Basin	Elk	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Mix Run	Basin, English Draft Run to Mouth	Cameron	HQ-CWF	None
5—Little Dent Run	Basin	Cameron	CWF	None
5—Nanny Run	Basin	Cameron	CWF	None
5—Boyer Run	Basin	Cameron	CWF	None
4—Driftwood Branch	Main Stem,	Cameron	TSF	None
Sinnemahoning Creek	Source to Confluence with Bennett Branch			
5—Unnamed Tributaries to Driftwood Branch	Basins, Source to Confluence with Bennett Branch	Elk-Cameron	HQ-CWF	None
Sinnemahoning Creek				
5—Devils Hole	Basin	Elk	HQ-CWF	None
5—Billy Buck Run	Basin	Elk	HQ-CWF	None
5—Cherry Run	Basin	Elk	HQ-CWF	None
5—Windfall Run	Basin	Elk	HQ-CWF	None
5—Robinson Run	Basin	Cameron	HQ-CWF	None
5—Indian Camp Run	Basin	Cameron	HQ-CWF	None
5—Elk Fork	Basin, Source to Nichols Run	Cameron	EV	None
6—Nichols Run	Basin	Cameron	HQ-CWF	None
5—Elk Fork	Basin, Nichols Run to Mouth	Cameron	HQ-CWF	None
5—Big Run	Basin	Cameron	HQ-CWF	None
5—Bobby Run	Basin	Cameron	HQ-CWF	None
5—Cooks Run	Basin	Cameron	EV	None
5—Johns Run	Basin	Cameron	HQ-CWF	None
5—Britton Run	Basin	Cameron	HQ-CWF	None
5—Clear Creek	Basin, Source to Mud Run	Cameron	EV	None
6—Mud Run	Basin	Cameron	HQ-CWF	None
5—Clear Creek	Basin, Mud Run to Mouth	Cameron	HQ-CWF	None
5—Ferguson Hollow	Basin	Cameron	HQ-CWF	None
5—North Creek	Basin	Cameron	HQ-CWF	None
5—Swesey Hollow	Basin	Cameron	HQ-CWF	None
5—Dodge Hollow	Basin	Cameron	HQ-CWF	None
5—Eddy Run	Basin	Cameron	HQ-CWF	None
5—Wheaton Hollow	Basin	Cameron	HQ-CWF	None
5—West Creek	Basin	Cameron	HQ-CWF	None
5—Sinnemahoning Portage Creek	Basin	Cameron	CWF	None
5—Bauer Hollow	Basin	Cameron	HQ-CWF	None
5—Canoe Run	Basin	Cameron	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Hunts Run	Basin	Cameron	HQ-CWF	None
5—Stillhouse Run	Basin	Cameron	HQ-CWF	None
5—Square Timber Run	Basin	Cameron	HQ-CWF	None
5—Sterling Run				
6—Finley Run	Basin, Source to Unnamed Tributary at R.M. 1.7	Cameron	HQ-CWF	None
6—Finley Run	Basin, Unnamed Tributary at R.M. 1.7 to Confluence with Portable Run	Cameron	CWF	None
6—Portable Run	Basin, Source to Confluence with Finley Run	Cameron	CWF	None
5—Sterling Run	Basin, Confluence of Portable Run and Finley Run to Mouth	Cameron	CWF	None
5—Mason Grove Run	Basin	Cameron	HQ-CWF	None
5—Wash Mason Run	Basin	Cameron	HQ-CWF	None
5—John Mason Run	Basin	Cameron	HQ-CWF	None
5—Big Run	Basin	Cameron	HQ-CWF	None
5—Dry Run	Basin	Cameron	HQ-CWF	None
5—Tanglefoot Run	Basin	Cameron	HQ-CWF	None
5—Nelson Run	Basin	Cameron	HQ-CWF	None
5—Grindstone Hollow	Basin	Cameron	HQ-CWF	None
5—Johnson Run	Basin	Cameron	HQ-CWF	None
3—Sinnemahoning Creek	Main Stem, Confluence of Bennett and Driftwood Branches to Mouth	Clinton	WWF	None
4—Unnamed Tributaries to Sinnemahoning Creek	Basins, Confluence of Bennett and Driftwood Branches to Mouth	Cameron-Clinton	HQ-CWF	None
4—Grove Run	Basin	Cameron	HQ-CWF	None
4—First Fork Sinnemahoning Creek	Basin, Source to Big Nelson Run	Cameron	HQ-CWF	None
5—Big Nelson Run	Basin, Source to Right Branch Big Nelson Run	Potter	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Right Branch Big Nelson Run	Basin	Potter	EV	None
5—Big Nelson Run	Basin, Right Branch Big Nelson Run to Mouth	Potter	HQ-CWF	None
4—First Fork Sinnemahoning Creek	Main Stem, Big Nelson Run to Stevenson Dam	Cameron	HQ-CWF	None
5—Unnamed Tributaries to First Fork Sinnemahoning Creek	Basins, Big Nelson Run to Stevenson Dam	Potter-Cameron	HQ-CWF	None
5—Fish Basket Hollow	Basin	Potter	HQ-CWF	None
5—Little Nelson Run	Basin	Potter	HQ-CWF	None
5—East Fork Sinnemahoning Creek	Basin, Source to Dolliver Trail	Potter	EV	None
5—East Fork Sinnemahoning Creek	Main Stem, Dolliver Trail to Mouth	Potter	HQ-CWF	None
6—Unnamed Tributaries to East Fork Sinnemahoning Creek	Basins, Dolliver Trail to Mouth	Potter	HQ-CWF	None
6—Shinglebolt Hollow	Basin	Potter	HQ-CWF	None
6—Horton Run	Basin	Potter	HQ-CWF	None
6—Stony Lick Run	Basin	Potter	EV	None
6—Wild Boy Run	Basin	Potter	HQ-CWF	None
6—Jackson Lick Run	Basin	Potter	HQ-CWF	None
6—Graveyard Hollow	Basin	Potter	HQ-CWF	None
6—Stony Run	Basin	Potter	HQ-CWF	None
6—Jamison Run	Basin	Potter	HQ-CWF	None
6—Little Joe Run	Basin	Potter	HQ-CWF	None
6—Camp Run	Basin	Potter	HQ-CWF	None
6—Gravel Lick Run	Basin	Potter	HQ-CWF	None
6—Mud Lick Run	Basin	Potter	HQ-CWF	None
6—Williams Run	Basin	Potter	HQ-CWF	None
6—Marvin Run	Basin	Potter	HQ-CWF	None
6—Birch Run	Basin	Potter	EV	None
6—Long Hollow	Basin	Potter	HQ-CWF	None
6—Jordan Hollow	Basin	Potter	HQ-CWF	None
6—Schoolhouse Run	Basin	Potter	HQ-CWF	None
6—Black Stump Hollow	Basin	Potter	HQ-CWF	None
6—Upper Vag Hollow	Basin	Potter	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Hunter Hollow	Basin	Potter	HQ-CWF	None
6—Avery Hollow	Basin	Potter	HQ-CWF	None
6—Bentley Hollow	Basin	Potter	HQ-CWF	None
5—Elk Lick Run	Basin	Potter	HQ-CWF	None
5—Schoolhouse Run	Basin	Potter	HQ-CWF	None
5—Dry Hollow	Basin	Potter	HQ-CWF	None
5—Pine Island Run	Basin	Potter	HQ-CWF	None
5—Bailey Run	Basin, Source to Little Bailey Run	Potter	EV	None
6—Little Bailey Run	Basin	Potter	HQ-CWF	None
5—Bailey Run	Basin, Little Bailey Run to Mouth	Potter	HQ-CWF	None
5—Barrett Slide	Basin	Potter	HQ-CWF	None
5—Mahon Run	Basin	Potter	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Berge Run	Basin	Potter	HQ-CWF	None
5—Upper Logue Hollow	Basin	Cameron	HQ-CWF	None
5—Logue Run	Basin	Cameron	HQ-CWF	None
5—Owl Hollow	Basin	Cameron	HQ-CWF	None
5—Norcross Run	Basin	Cameron	HQ-CWF	None
5—Rattlesnake Run	Basin	Cameron	HQ-CWF	None
5—Muley Run	Basin	Cameron	HQ-CWF	None
5—Mill Run	Basin	Cameron	HQ-CWF	None
5—Lushbaugh Run	Basin	Cameron	EV	None
5—Brooks Run	Basin	Cameron	HQ-CWF	None
5—Little Bailey Run	Basin	Cameron	HQ-CWF	None
5—Short Bend Run	Basin	Cameron	HQ-CWF	None
4—First Fork Sinnemahoning Creek	Main Stem, Stevenson Dam to Mouth	Cameron	HQ-TSF	None
5—Unnamed Tributaries to First Fork Sinnemahoning Creek	Basins, Stevenson Dam to Mouth	Cameron	HQ-CWF	None
5—Woodrock Run	Basin	Cameron	HQ-CWF	None
5—Roaring Run	Basin	Cameron	HQ-CWF	None
5—Bronson Run	Basin	Cameron	HQ-CWF	None
5—Joes Run	Basin	Cameron	HQ-CWF	None
5—Guys Hollow	Basin	Cameron	HQ-CWF	None
5—Lick Island Run	Basin	Cameron	HQ-CWF	None
5—Pumpkin Hollow	Basin	Cameron	HQ-CWF	None
5—Arksill Run	Basin	Cameron	HQ-CWF	None
5—Pepperhill Run	Basin	Cameron	HQ-CWF	None
5—Riddles Hollow	Basin	Cameron	HQ-CWF	None
5—Whiteoak Run	Basin	Cameron	HQ-CWF	None
5—Board Rock Hollow	Basin	Cameron	HQ-CWF	None
5—Ellicott Run	Basin	Cameron	HQ-CWF	None
4—Wykoff Run	Basin	Cameron	HQ-CWF	None
4—Upper Jerry Run	Basin	Cameron	HQ-CWF	None
4—Lower Jerry Run	Basin	Cameron	HQ-CWF	None
4—Pfoutz Run	Basin	Clinton	HQ-CWF	None
4—Montour Run	Basin	Clinton	HQ-CWF	None
4—Round Island Run	Basin	Clinton	HQ-CWF	None
4—Mill Run	Basin	Clinton	HQ-CWF	None
4—Commissioners Run	Basin	Clinton	HQ-CWF	None
4—Grass Flats Run	Basin	Clinton	HQ-CWF	None
4—Moccasin Run (Moccasin Falls Run)	Basin	Clinton	HQ-CWF	None
4—Upper Stimpson Run	Basin	Clinton	HQ-CWF	None
3—Cooks Run	Basin, Source to Onion Run	Clinton	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Onion Run	Basin	Clinton	EV	None
3—Cooks Run	Basin, Onion Run to Crowley Hollow Run	Clinton	HQ-CWF	None
4—Crowley Hollow Run	Basin	Clinton	CWF	None
3—Cooks Run	Basin, Crowley Hollow Run to Mouth	Clinton	CWF	None
3—Milligan Run	Basin	Clinton	HQ-CWF	None
3—Smith Run	Basin	Clinton	HQ-CWF	None
3—North Smith Run	Basin	Clinton	HQ-CWF	None
3—Fish Dam Run	Basin	Clinton	EV	None
3—Kettle Creek	Basin, Source to Inlet of Kettle Creek Reservoir	Clinton	EV	None
3—Kettle Creek	Basin, Inlet of Kettle Creek Reservoir to Alvin Bush Dam	Clinton	HQ-TSF	None
3—Kettle Creek	Basin, Alvin Bush Dam to Mouth	Clinton	TSF	None
3—Dry Run	Basin	Clinton	HQ-CWF	None
3—Barney Run	Basin	Clinton	EV	None
3—Shintown Run	Basin	Clinton	HQ-CWF	None
3—Hall Run	Basin	Clinton	HQ-CWF	None
3—Drury Run	Basin, Source to Sandy Run	Clinton	EV	None
4—Sandy Run	Basin	Clinton	HQ-CWF	None
3—Drury Run	Basin, Sandy Run to Woodley Hollow	Clinton	HQ-CWF	None
4—Woodley Hollow	Basin	Clinton	CWF	None
3—Drury Run	Basin, Woodley Hollow to Mouth	Clinton	CWF	None
3—Brewery Run	Basin	Clinton	HQ-CWF	None
3—Peters Run	Basin	Clinton	HQ-CWF	None
3—Paddy Run	Basin	Clinton	EV	None
3—Boggs Hollow	Basin	Clinton	EV	None
3—Young Womans Creek	Basin	Clinton	HQ-CWF	None
3—Caldwell Run	Basin	Clinton	HQ-CWF	None
3—Dry Run	Basin	Clinton	HQ-CWF	None
3—Hyner Run	Basin	Clinton	HQ-CWF	None
3—Little McCloskey Run	Basin	Clinton	HQ-CWF	None
3—Big McCloskey Run	Basin	Clinton	HQ-CWF	None
3—Huff Run	Basin	Clinton	HQ-CWF	None
3—Schoolhouse Hollow	Basin	Clinton	HQ-CWF	None
3—Goodman Hollow	Basin	Clinton	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Johnson Run	Basin	Clinton	HQ-CWF	None
3—Ritchie Run	Basin	Clinton	HQ-CWF	None
3—Green Run	Basin	Clinton	HQ-CWF	None
3—Rattlesnake Run	Basin	Clinton	HQ-CWF	None
3—Grugan Hollow	Basin	Clinton	HQ-CWF	None
3—Mill Run	Basin	Clinton	HQ-CWF	None
3—Baker Run	Basin	Clinton	HQ-CWF	None
3—McCloskey Run	Basin	Clinton	HQ-CWF	None
3—Ferney Run	Basin	Clinton	HQ-CWF	None
3—East Ferney Run	Basin	Clinton	HQ-CWF	None
3—Holland Run	Basin	Clinton	HQ-CWF	None
3—Tangascootak Creek	Main Stem	Clinton	CWF	None
4—Unnamed Tributaries to Tangascootak Creek	Basins	Clinton	CWF	None
4—North Fork Tangascootak Creek	Basin	Clinton	HQ-CWF	None
4—Bird Run	Basin	Clinton	CWF	None
3—Lick Run	Basin, Source to Farthest Upstream Crossing of LR 18011 (SR 1001)	Clinton	EV	None
3—Lick Run	Basin, Farthest Upstream Crossing of LR 18011 to Mouth	Clinton	HQ-CWF	None
3—Queens Run	Basin	Clinton	HQ-CWF	None
3—Unnamed Tributaries to West Branch Susquehanna River	Queens Run to Pine Creek	Clinton-Lycoming	CWF	None
3—Sugar Run	Basin	Clinton	CWF	None
3—Reeds Run	Basin	Clinton	CWF	None
3—Bald Eagle Creek	Basin, Source to Laurel Run (at Port Matilda)	Centre	CWF	None
4—Laurel Run	Basin	Centre	CWF	None
3—Bald Eagle Creek	Main Stem, Laurel Run to Nittany Creek	Centre	TSF	None
4—Unnamed Tributaries to Bald Eagle Creek	Basins, Laurel Run to Nittany Creek	Centre	CWF	None
4—Mudlick Run	Basin	Centre	CWF	None
4—Laurel Run	Basin	Centre	EV	None
4—Dicks Run	Basin	Centre	CWF	None
4—Dewitt Run	Basin	Centre	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Wallace Run	Basin, Source to Unnamed Tributary at Gum Stump	Centre	EV	None
5—Unnamed Tributary at Gum Stump	Basin	Centre	EV	None
4—Wallace Run	Basin, Unnamed Tributary at Gum Stump to Mouth	Centre	CWF	None
4—Moose Run	Basin	Centre	CWF	None
4—Spring Creek	Main Stem, Source to PA 550 Bridge	Centre	HQ-CWF	None
5—Unnamed Tributaries to Spring Creek	Basins, Source to PA 550 Bridge	Centre	CWF	None
5—Galbraith Gap Run	Basin	Centre	HQ-CWF	None
5—Cedar Run	Basin	Centre	CWF	None
5—Markles Gap Run	Basin	Centre	HQ-CWF	None
5—McBrides Run	Basin	Centre	HQ-CWF	None
5—Slab Cabin Run	Basin, Source to PA 26 at RM 9.0	Centre	HQ-CWF	None
5—Slab Cabin Run	Basin, PA 26 at RM 9.0 to Mouth	Centre	CWF	None
4—Spring Creek	Main Stem, PA 550 Bridge to Mouth	Centre	CWF	None
5—Unnamed Tributaries to Spring Creek	Basins, PA 550 Bridge to Mouth	Centre	CWF	None
5—Logan Branch	Basin	Centre	CWF	None
5—Buffalo Run	Basin, Source to T 942 Bridge at RM 0.66 (near Coleville)	Centre	HQ-CWF	None
5—Buffalo Run	Basin, T 942 Bridge to Mouth	Centre	CWF	None
4—Antis Run	Basin	Centre	CWF	None
4—Nittany Creek	Basin	Centre	CWF	None
3—Bald Eagle Creek	Main Stem, Nittany Creek to Mouth	Centre	WWF	Add Col ₂
4—Unnamed Tributaries to Bald Eagle Creek	Basins, Nittany Creek to Mouth	Centre-Clinton	CWF	None
4—Bullit Run	Basin	Centre	CWF	None
4—Greens Run	Basin	Centre	CWF	None
4—Lick Run	Basin	Centre	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—East Branch Lick Run	Basin, Source to Confluence with West Branch	Centre	HQ-CWF	None
5—West Branch Lick Run	Basin, Source to Confluence with East Branch	Centre	HQ-CWF	None
4—Lick Run	Basin, Confluence of East and West Branches to Mouth	Centre	CWF	None
4—Hunters Run	Basin	Centre	CWF	None
4—Marsh Creek	Basin	Centre	CWF	None
4—Beech Creek	Basins	Clinton-Centre	CWF	None
5—South Fork Beech Creek	Basin, Source to Stinktown Run	Centre	CWF	None
6—Stinktown Run	Basin	Centre	HQ-CWF	None
5—North Fork Beech Creek	Basin, Source to Confluence with South Fork	Centre	CWF	None
4—Beech Creek	Main Stem, Confluence of South and North Branches to Mouth	Clinton-Centre	CWF	None
5—Rock Run	Basin	Centre	EV	None
5—Sandy Run	Basin	Centre	CWF	None
5—Wolf Run	Basin	Centre	CWF	None
5—Panther Run	Basin	Centre	EV	None
5—Eddy Lick Run	Basin	Centre	CWF	None
5—Logway Run	Basin	Centre	CWF	None
5—Council Run	Basin	Centre	CWF	None
5—Two Rock Run	Basin	Centre	EV	None
5—Three Rock Run	Basin	Centre	CWF	None
5—Hayes Run	Basin	Centre	EV	None
5—Big Run				
6—Middle Branch Big Run	Basin, Source to Thornapple Run	Clinton	EV	None
7—Thornapple Run	Basin	Clinton	CWF	None
6—Middle Branch Big Run	Basin, Thornapple Run to Confluence with East Branch	Clinton	CWF	None
6—East Branch Big Run	Basin, Source to RM 4.5	Clinton	EV	None
6—East Branch Big Run	Basin, RM 4.5 to Confluence with Middle Branch	Clinton	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Big Run	Main Stem, Confluence of Middle and East Branches to Mouth	Clinton	CWF	None
6—Unnamed Tributaries to Big Run	Basins, Confluence of Middle and East Branches to Mouth	Clinton	CWF	None
6—West Branch Big Run	Basin	Clinton	EV	None
5—Monument Run	Basin	Clinton	HQ-CWF	None
5—Twin Run	Basin	Clinton	CWF	None
5—Bitner Run	Basin	Clinton	CWF	None
5—Sugar Run	Basin	Clinton	CWF	None
4—Laurel Run	Basin	Clinton	CWF	None
4—Fishing Creek	Basin, Source to Cherry Run	Clinton	HQ-CWF	None
5—Cherry Run	Basin	Clinton	EV	None
4—Fishing Creek	Main Stem, Cherry Run to Long Run	Clinton	HQ-CWF	None
5—Unnamed Tributaries to Fishing Creek	Basins, Cherry Run to Long Run	Clinton	HQ-CWF	None
5—Little Fishing Creek	Main Stem	Clinton	HQ-CWF	None
6—Unnamed Tributaries to Little Fishing Creek	Basins	Centre-Clinton	HQ-CWF	None
6—Roaring Run	Basin, Source to Camp Krislund	Centre	EV	None
6—Roaring Run	Basin, Camp Krislund to Mouth	Centre	HQ-CWF	None
5—Cedar Run	Basin	Clinton	HQ-CWF	None
5—Long Run	Basin	Clinton	HQ-CWF	None
4—Fishing Creek	Basin, Long Run to Mouth	Clinton	CWF	None
4—Harveys Run	Basin, Source to Castanea Reservoir Water Supply Intake	Clinton	HQ-CWF	None
4—Harveys Run	Basin, Castanea Reservoir Water Supply Intake to Mouth	Clinton	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—McElhattan Creek	Basin, Source to Keller Reservoir Water Supply Intake	Clinton	HQ-CWF	None
3—McElhattan Creek	Basin, Keller Water Supply Intake to Mouth	Clinton	CWF	None
3—Chatham Run	Basin, Source to Chatham Water Co. Intake	Clinton	HQ-CWF	None
3—Chatham Run	Basin, Chatham Water Co. Intake to Mouth	Clinton	CWF	Add Col ₂
3—Henry Run	Basin	Clinton	CWF	None
3—Pine Creek	Basin, Source to South Branch Pine Creek	Potter	HQ-CWF	None
4— South Branch Pine Creek	Basin	Potter	HQ-CWF	None
3—Pine Creek	Main Stem, South Branch Pine Creek to Marsh Creek	Tioga	EV	None
4—Unnamed Tributaries to Pine Creek	Basins, South Branch Pine Creek to Marsh Creek	Potter-Tioga	HQ-CWF	None
4—Johnson Brook	Basin, Source to Farthest Downstream Crossing of State Game Lands No. 64 Border	Potter	EV	None
4—Johnson Brook	Basin, Farthest Downstream Crossing of State Game Lands No. 64 Border to Mouth	Potter	HQ-CWF	None
4—Phoenix Run	Basin	Tioga	HQ-CWF	None
4—Elk Run	Basin	Tioga	HQ-CWF	None
4—Benaun Hollow	Basin	Tioga	HQ-CWF	None
4—Long Run	Basin	Tioga	CWF	None
4—Lick Run	Basin	Tioga	HQ-CWF	None
4—Shin Hollow	Basin	Tioga	HQ-CWF	None
4—Painter Run	Basin	Tioga	HQ-CWF	None
4—Steele Run Hollow	Basin	Tioga	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Woodruff Hollow	Basin	Tioga	HQ-CWF	None
4—Schanbacher Hollow	Basin	Tioga	HQ-CWF	None
4—Bee Tree Hollow	Basin	Tioga	HQ-CWF	None
4—Harrington Hollow	Basin	Tioga	HQ-CWF	None
4—Marsh Creek	Main Stem, Source to Straight Run	Tioga	WWF	None
5—Unnamed Tributaries to Marsh Creek	Basins, Source to Straight Run	Tioga	CWF	None
5—Charleston Creek	Basin	Tioga	WWF	None
5—Kelsey Creek	Basin	Tioga	WWF	None
5—Horse Thief Run	Basin	Tioga	CWF	None
5—Baldwin Run	Basin	Tioga	CWF	None
5—Hibard Hollow	Basin	Tioga	CWF	None
5—Fuller Hollow	Basin	Tioga	CWF	None
5—Wolf Run	Basin	Tioga	CWF	None
5—Heise Run	Basin	Tioga	CWF	None
5—Smith Run	Basin	Tioga	CWF	None
5—Gee Hollow	Basin	Tioga	CWF	None
5—Canada Run	Basin	Tioga	CWF	None
5—Dantz Run	Basin	Tioga	CWF	None
5—Straight Run	Basin	Tioga	HQ-CWF	None
4—Marsh Creek	Main Stem, Straight Run to Mouth	Tioga	CWF	None
5—Unnamed Tributaries to Marsh Creek	Basins, Straight Run to Mouth	Tioga	CWF	None
5—Asaph Run	Basin	Tioga	HQ-CWF	None
5—Gray Hollow	Basin	Tioga	CWF	None
5—Kinney Hollow	Basin	Tioga	CWF	None
3—Pine Creek	Main Stem, Marsh Creek to Mouth	Lycoming- Clinton	HQ-TSF	None
4—Unnamed Tributaries to Pine Creek	Basins, Marsh Creek to Mouth	Tioga- Lycoming- Clinton	HQ-CWF	None
4—Strap Mill Hollow	Basin	Tioga	HQ-CWF	None
4—Darling Run	Basin	Tioga	HQ-CWF	None
4—Owassee Slide Run	Basin	Tioga	HQ-CWF	None
4—Pinafore Run	Basin	Tioga	HQ-CWF	None
4—Bear Run	Basin	Tioga	HQ-CWF	None
4—Little Fourmile Run	Basin	Tioga	HQ-CWF	None
4—Fourmile Run	Basin	Tioga	HQ-CWF	None
4—Stowell Run	Basin	Tioga	HQ-CWF	None
4—Burdie Run	Basin	Tioga	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Horse Run	Basin	Tioga	HQ-CWF	None
4—Tumbling Run	Basin	Tioga	HQ-CWF	None
4—Little Slate Run	Basin	Tioga	HQ-CWF	None
4—Ice Break Run	Basin	Tioga	HQ-CWF	None
4—Campbells Run	Basin	Tioga	HQ-CWF	None
4—Straight Creek	Basin	Tioga	HQ-CWF	None
4—Good Spring Hollow	Basin	Tioga	HQ-CWF	None
4—Rail Island Run	Basin	Tioga	HQ-CWF	None
4—Pine Island Run	Basin	Tioga	EV	None
4—Benjamin Hollow	Basin	Tioga	HQ-CWF	None
4—Dillon Hollow	Basin	Tioga	HQ-CWF	None
4—Clay Mine Run	Basin	Tioga	HQ-CWF	None
4—Water Tank Run	Basin	Tioga	HQ-CWF	None
4—Bohen Run	Basin	Tioga	HQ-CWF	None
4—Stone Quarry Run	Basin	Tioga	HQ-CWF	None
4—Jerry Run	Basin	Tioga	HQ-CWF	None
4—Babb Creek	Main Stem	Tioga	CWF	None
5—Unnamed Tributaries to Babb Creek	Basins	Tioga	CWF	None
5—Sand Run	Basin	Tioga	CWF	None
5—Lick Creek	Basin	Tioga	CWF	None
5—Nickel Run	Basin	Tioga	EV	None
5—Rock Run	Basin	Tioga	CWF	None
5—Long Run	Basin, Source to Custard Run	Tioga	EV	None
6—Custard Run	Basin	Tioga	CWF	None
5—Long Run	Basin, Custard Run to Mouth	Tioga	CWF	None
5—Wilson Creek	Basin	Tioga	CWF	None
5—Harrison Run	Basin	Tioga	CWF	None
5—McCloskey Hollow	Basin	Tioga	CWF	None
5—Brooks Hill Hollow	Basin	Tioga	CWF	None
5—Stony Fork	Basin	Tioga	CWF	None
5—Dixie Run	Basin	Tioga	CWF	None
5—Ayers Hollow	Basin	Tioga	CWF	None
5—Windfall Hollow	Basin	Tioga	CWF	None
4—Big Run	Basin	Tioga	HQ-CWF	None
4—Schoolhouse Run	Basin	Lycoming	HQ-CWF	None
4—Lloyd Run	Basin	Lycoming	HQ-CWF	None
4—Woodhouse Run	Basin	Lycoming	HQ-CWF	None
4—Bull Run	Basin	Lycoming	HQ-CWF	None
4—Trout Run	Basin	Lycoming	HQ-CWF	None
4—Cedar Run	Basin	Lycoming	HQ-CWF	None
4—Jacobs Run	Basin	Lycoming	HQ-CWF	None
4—Gamble Run	Basin	Lycoming	HQ-CWF	None
4—Elk Run	Basin	Lycoming	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Hilborn Run	Basin	Lycoming	HQ-CWF	None
4—Slate Run				
5—Francis Branch Slate Run	Basin, Source to Confluence with Cushman Branch	Tioga	HQ-CWF	None
5—Cushman Branch Slate Run	Basin, Source to Bear Run	Tioga	EV	None
6—Bear Run	Basin	Tioga	HQ-CWF	None
5—Cushman Branch Slate Run	Basin, Bear Run to Confluence with Francis Branch	Tioga	HQ-CWF	None
4—Slate Run	Basin, Confluence of Francis and Cushman Branches to Mouth	Lycoming	HQ-CWF	None
4—Little Slate Run	Basin	Lycoming	HQ-CWF	None
4—Naval Run	Basin	Lycoming	HQ-CWF	None
4—Callahan Run	Basin	Lycoming	HQ-CWF	None
4—Bonnell Run	Basin	Lycoming	HQ-CWF	None
4—Wolf Run	Basin	Lycoming	HQ-CWF	None
4—Ross Run	Basin	Lycoming	HQ-CWF	None
4—Mill Run	Basin, Source to Bull Run to Bull Run	Lycoming	EV	None
5—Bull Run	Basin	Lycoming	HQ-CWF	None
4—Mill Run	Basin, Bull Run to Mouth to Mouth	Lycoming	HQ-CWF	None
4—Trout Run	Basin	Lycoming	HQ-CWF	None
4—Miller Run	Basin	Lycoming	HQ-CWF	None
4—Truman Run	Basin	Lycoming	HQ-CWF	None
4—Bluestone Run	Basin	Lycoming	HQ-CWF	None
4—Solomon Run	Basin	Lycoming	HQ-CWF	None
4—Shanty Run	Basin	Lycoming	HQ-CWF	None
4—McClure Run	Basin	Lycoming	HQ-CWF	None
4—Callahan Run	Basin	Lycoming	HQ-CWF	None
4—Browns Run	Basin	Lycoming	HQ-CWF	None
4—Dry Run	Basin	Lycoming	HQ-CWF	None
4—Upper Pine Bottom Run	Basin	Lycoming	HQ-CWF	None
4—Lower Pine Bottom Run	Basin	Lycoming	HQ-CWF	None
4—Bull Run	Basin	Lycoming	HQ-CWF	None
4—Little Pine Creek				

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Texas Creek (Zimmerman Creek)	Basin, Source to Confluence with Blockhouse Creek	Lycoming	HQ-CWF	None
5—Blockhouse Creek	Basin, Source to Confluence with Texas Creek	Lycoming	CWF	None
4—Little Pine Creek	Main Stem, Confluence of Texas and Blockhouse Creeks to Little Pine Creek Dam	Lycoming	CWF	None
5—Unnamed Tributaries to Little Pine Creek	Basin, Confluence of Texas and Blockhouse Creeks to Little Pine Creek Dam	Lycoming	HQ-CWF	None
5—Bear Run	Basin	Lycoming	HQ-CWF	None
5—Bonnell Run	Basin	Lycoming	HQ-CWF	None
5—Lick Run	Basin	Lycoming	HQ-CWF	None
5—English Run	Basin	Lycoming	CWF	None
5—Coal Run	Basin	Lycoming	HQ-CWF	None
5—Rogers Run	Basin	Lycoming	HQ-CWF	None
5—Otter Run	Basin	Lycoming	CWF	None
5—Carsons Run	Basin	Lycoming	HQ-CWF	None
5—McKees Run	Basin	Lycoming	HQ-CWF	None
5—Panther Run	Basin	Lycoming	HQ-CWF	None
5—Naval Run	Basin	Lycoming	HQ-CWF	None
5—Love Run	Basin	Lycoming	HQ-CWF	None
4—Little Pine Creek	Main Stem, Little Pine Creek Dam to Mouth	Lycoming	TSF	None
5—Unnamed Tributaries to Little Pine Creek	Basins, Little Pine Creek Dam to Mouth	Lycoming	HQ-CWF	None
5—English Run	Basin	Lycoming	HQ-CWF	None
5—Boone Run	Basin	Lycoming	HQ-CWF	None
5—Dam Run	Basin	Lycoming	HQ-CWF	None
4—Ramsey Run	Basin	Lycoming	HQ-CWF	None
4—Bonnell Run	Basin	Lycoming	HQ-CWF	None
4—Tombs Run	Basin	Lycoming	HQ-CWF	None
4—Gamble Run	Basin	Lycoming	HQ-CWF	None
4—Furnace Run	Basin	Lycoming	HQ-CWF	None
4—Sulphur Run	Basin	Clinton	HQ-CWF	None
4—Nichols Run	Basin	Lycoming	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Unnamed Tributaries to North Bank of West Branch Susquehanna River	Basins, Pine Creek to Loyalsock Creek	Lycoming	WWF	None
3—Unnamed Tributaries to South Bank of West Branch Susquehanna River	Basins, Pine Creek to Loyalsock Creek	Lycoming	CWF	None
3—Aughanbaugh Run	Basin	Lycoming	CWF	None
3—Antes Creek	Basin	Lycoming	CWF	None
3—Stewards Run	Basin	Lycoming	WWF	None
3—Larrys Creek	Basin, Source to Second Fork	Lycoming	HQ-CWF	None
4—Second Fork Larrys Creek	Basin	Lycoming	HQ-CWF	None
3—Larrys Creek	Basin, Second Fork to First Fork	Lycoming	WWF	None
4—First Fork Larrys Creek	Basin	Lycoming	HQ-CWF	None
3—Larrys Creek	Basin, First Fork to Mouth	Lycoming	WWF	None
3—Big Run	Basin	Lycoming	CWF	None
3—Pine Run	Basin	Lycoming	WWF	None
3—Quenshukeny Run	Basin	Lycoming	WWF	None
3—Bender Run	Basin	Lycoming	CWF	None
3—Daugherty Run	Basin	Lycoming	WWF	None
3—Mosquito Creek	Basin	Lycoming	CWF	None
3—Lycoming Creek	Main Stem, Source to Long Run	Tioga-Lycoming	CWF	None
4—Unnamed Tributaries to Lycoming Creek	Basins, Source to Long Run	Lycoming	HQ-CWF	None
4—Cascade Run	Basin	Lycoming	HQ-CWF	None
4—Sugar Works Run	Basin	Tioga	HQ-CWF	None
4—Mill Creek	Basin	Tioga	HQ-CWF	None
4—Roaring Brook	Basin	Tioga	HQ-CWF	None
4—Abbott Run	Basin	Lycoming	HQ-CWF	None
4—Red Run	Basin	Lycoming	CWF	None
4—Rock Run	Basin	Lycoming	HQ-CWF	None
4—Frozen Run	Basin	Lycoming	HQ-CWF	None
4—Heylmun Run	Basin	Lycoming	HQ-CWF	None
4—Pleasant Stream	Basin	Lycoming	HQ-CWF	None
4—Slacks Run	Basin	Lycoming	HQ-CWF	None
4—Shoemakers Run	Basin	Lycoming	HQ-CWF	None
4—Grays Run	Basin	Lycoming	HQ-CWF	None
4—Hagermans Run	Basin	Lycoming	HQ-CWF	None
4—Glendenen Run	Basin	Lycoming	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Trout Run	Basin	Lycoming	HQ-CWF	None
4—Wolf Run	Basin	Lycoming	HQ-CWF	None
4—Daugherty Run	Basin	Lycoming	HQ-CWF	None
4—Hoagland Run	Basin	Lycoming	HQ-CWF	None
4—Long Run	Basin	Lycoming	HQ-CWF	None
3—Lycoming Creek	Basin, Long Run to Mouth	Lycoming	WWF	None
3—Grafius Run	Basin	Lycoming	WWF	None
3—Hagermans Run	Basin	Lycoming	CWF	None
3—Millers Run	Basin	Lycoming	WWF	None
3—Loyalsock Creek	Basin, Source to Pole Bridge Run	Lycoming	CWF	None
4—Pole Bridge Run	Basin	Sullivan	HQ-CWF	None
3—Loyalsock Creek	Main Stem, Pole Bridge Creek to Sullivan-Lycoming Border	Sullivan-Lycoming	CWF	None
4—Unnamed Tributaries to Loyalsock Creek	Basins, Pole Bridge Creek to Little Loyalsock Creek	Sullivan	CWF	None
4—Shanerburg Run	Basin, Source to End of Jeep Trail (about 1.5 Miles from Mouth)	Sullivan	EV	None
4—Shanerburg Run	Basin, End of Jeep Trail to Mouth	Sullivan	HQ-CWF	None
4—Tamarack Run	Basin	Sullivan	HQ-CWF	None
4—Big Run	Basin	Sullivan	HQ-CWF	None
4—Double Run	Basin	Sullivan	CWF	None
4—High Rock Run	Basin	Sullivan	CWF	None
4—Little Loyalsock Creek	Basin	Sullivan	CWF	None
4—Unnamed Tributaries to Loyalsock Creek	Basins, Little Loyalsock Creek to Sullivan-Lycoming County Border	Sullivan	HQ-CWF	None
4—Scar Run	Basin	Sullivan	HQ-CWF	None
4—Ketchum Run	Basin	Sullivan	EV	None
4—Cape Run	Basin	Sullivan	HQ-CWF	None
4—Barkshed Run	Basin	Sullivan	HQ-CWF	None
4—Joes Run	Basin	Sullivan	HQ-CWF	None
4—Elk Creek	Basin	Sullivan	HQ-CWF	None
4—Slab Run	Basin	Sullivan	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Mill Creek	Basin	Sullivan	HQ-CWF	None
4—Huckle Run	Basin	Sullivan	HQ-CWF	None
4—Dry Run	Basin	Sullivan	HQ-CWF	None
4—Ogdonia Creek	Basin, Source to Kettle Creek	Sullivan	HQ-CWF	None
5—Kettle Creek	Basin	Sullivan	EV	None
4—Ogdonia Creek	Basin, Kettle Creek to Mouth	Sullivan	HQ-CWF	None
3—Loyalsock Creek	Main Stem, Sullivan-Lycoming County Border to Mouth	Lycoming	TSF	None
4—Unnamed Tributaries to Loyalsock Creek	Basin, Sullivan-Lycoming County Border to PA 973 Bridge	Lycoming	HQ-CWF	None
4—Plunketts Creek	Main Stem	Lycoming	HQ-CWF	None
5—Unnamed Tributaries to Plunketts Creek	Basins	Sullivan-Lycoming	HQ-CWF	None
5—Reibsan Run	Basin	Lycoming	HQ-CWF	None
5—Mock Creek	Basin	Lycoming	HQ-CWF	None
5—Wolf Run	Basin, Source to Noon Branch	Lycoming	HQ-CWF	None
6—Noon Branch Wolf Run	Basin	Lycoming	EV	None
5—Wolf Run	Basin, Noon Branch to Mouth	Lycoming	HQ-CWF	None
5—King Run	Basin, Source to Engle Run	Lycoming	HQ-CWF	None
6—Engle Run	Basin	Lycoming	EV	None
5—King Run	Basin, Engle Run to Mouth	Lycoming	HQ-CWF	None
5—Dry Run	Basin	Lycoming	HQ-CWF	None
4—Bear Creek	Basin	Lycoming	HQ-CWF	None
4—Little Bear Creek	Basin	Lycoming	HQ-CWF	None
4—Dry Run	Basin	Lycoming	HQ-CWF	None
4—Butternut Grove Run	Basin	Lycoming	HQ-CWF	None
4—Wallis Run	Basin	Lycoming	HQ-CWF	None
4—Unnamed Tributaries to Loyalsock Creek	Basins, PA 973 Bridge to Mouth	Lycoming	TSF	None
4—Mill Creek (West)	Basin	Lycoming	TSF	None
4—Mill Creek (East)	Basin	Lycoming	TSF	None
3—Unnamed Tributaries to West Branch Susquehanna River	Basins, Loyalsock Creek to Mouth	Lycoming-Northumberland-Union	WWF	None
3—Tules Run	Basin	Lycoming	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Turkeys Run	Basin	Lycoming	WWF	None
3—Carpenters Run	Basin	Lycoming	WWF	None
3—Muncy Creek	Main Stem, Source to US 220 Bridge at Muncy Valley	Sullivan	CWF	None
4—Unnamed Tributaries to Muncy Creek	Basins, Source to US 220 Bridge at Muncy Valley	Sullivan	HQ-CWF	None
4—Lopez Pond Brook	Basin	Sullivan	HQ-CWF	None
4—South Brook	Basin	Sullivan	HQ-CWF	None
4—Rock Run	Basin	Sullivan	HQ-CWF	None
4—Tublick Run	Basin	Sullivan	HQ-CWF	None
4—Peters Creek	Basin	Sullivan	HQ-CWF	None
4—Big Run	Basin	Sullivan	HQ-CWF	None
4—Cherry Run	Basin	Sullivan	HQ-CWF	None
4—Elklick Run	Basin	Sullivan	EV	None
4—Long Brook	Basin	Sullivan	HQ-CWF	None
4—Slip Run	Basin	Sullivan	HQ-CWF	None
4—Big Run	Basin	Sullivan	HQ-CWF	None
3—Muncy Creek	Main Stem, US 220 Bridge at Muncy Valley to Mouth	Lycoming	TSF	None
4—Unnamed Tributaries to Muncy Creek	Basins, US 220 Bridge at Muncy Valley to Laurel Run	Sullivan- Lycoming	HQ-CWF	None
4—Trout Run	Basin	Lycoming	HQ-CWF	None
4—Spring Run	Basin	Lycoming	HQ-CWF	None
4—Rock Run	Basin	Lycoming	HQ-CWF	None
4—Lick Run	Basin	Lycoming	HQ-CWF	None
4—Big Run	Basin	Lycoming	HQ-CWF	None
4—Roaring Run	Basin	Lycoming	HQ-CWF	None
4—Laurel Run	Basin	Lycoming	HQ-CWF	None
4—Unnamed Tributaries to Muncy Creek	Basins, Laurel Run to Mouth	Lycoming	CWF	None
4—Pine Run	Basin	Lycoming	CWF	None
4—Gregs Run	Basin	Lycoming	CWF	None
4—Sugar Run	Basin	Lycoming	CWF	None
4—Little Muncy Creek	Basin	Lycoming	CWF	None
4—Wolf Run	Basin	Lycoming	CWF	None
3—Glade Run	Basin	Lycoming	WWF	None
3—Turkey Run	Basin	Lycoming	WWF	None
3—Black Hole Creek	Basin	Lycoming	TSF	None
3—Black Run	Basin	Lycoming	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—White Deer Hole Creek	Basin, Source to Spring Creek	Union	HQ-CWF	None
4—Spring Creek	Basin	Union	TSF	None
3—White Deer Hole Creek	Basin, Spring Creek to Mouth	Union	TSF	None
3—Delaware Run	Basin	Northumberland	WWF	None
3—Dry Run	Basin	Northumberland	WWF	None
3—Spring Run	Basin	Northumberland	WWF	None
3—White Deer Creek	Basin	Union	HQ-CWF	None
3—Warrior Run	Basin	Northumberland	WWF	None
3—Muddy Run	Basin	Northumberland	WWF	None
3—Limestone Run	Basin	Northumberland	WWF	None
3—Buffalo Creek	Basin, Source to LR 59042 (SR 3005) Bridge	Union	HQ-CWF	None
3—Buffalo Creek	Main Stem, LR 59042 to Rapid Run	Union	CWF	None
4—Unnamed Tributaries to Buffalo Creek	Basins, LR 59042 Bridge to Rapid Run	Union	CWF	None
4—North Branch Buffalo Creek	Basin, Source to Mifflinburg Water Supply Dam	Union	EV	None
4—North Branch Buffalo Creek	Basin, Mifflinburg Water Supply Dam to Mouth	Union	HQ-CWF	None
4—Rapid Run	Basin	Union	HQ-CWF	None
3—Buffalo Creek	Main Stem, Rapid Run to Mouth	Union	TSF	None
4—Unnamed Tributaries to Buffalo Creek	Basins, Rapid Run to Mouth	Union	CWF	None
4—Stony Run	Basin	Union	HQ-CWF	None
4—Beaver Run	Basin	Union	CWF	None
4—Spruce Run	Basin	Union	HQ-CWF	None
4—Little Buffalo Creek	Basin	Union	CWF	None
3—Limestone Run	Basin	Union	WWF	None
3—Chillisquaque Creek	Basin	Northumberland	WWF	None
3—Turtle Creek	Basin	Union	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Winfield Creek	Basin	Union	WWF	None

Authority

The provisions of this § 93.91 amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.91 adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa. B. 3741; amended October 9, 1992, effective October 10, 1992, 22 Pa.B. 5027; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended September 2, 1994, effective May 7, 1994, 24 Pa.B. 4461; amended November 8, 1996, effective November 9, 1996, 26 Pa.B. 5370; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247. Immediately preceding text appears at serial pages (199359) to (199364) and (232433) to (232453).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9m. Drainage List M.

Susquehanna River Basin in Pennsylvania

Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River	Main Stem, West Branch Susquehanna River to Juniata River	Perry	WWF	Add Mn
2—Unnamed Tributaries to Susquehanna River	Basins, West Branch Susquehanna River to Juniata River	Northumberland-Snyder-Juniata-Dauphin-Perry	WWF	None
2—Shamokin Creek	Main Stem	Northumberland	WWF	None
3—Unnamed Tributaries to Shamokin Creek	Basins	Columbia-Northumberland	CWF	None
3—North Branch	Basin	Northumberland	CWF	None
3—Locust Creek	Basin	Northumberland	CWF	None
3—Quaker Run	Basin	Northumberland	CWF	None
3—Buck Run	Basin	Northumberland	CWF	None
3—Coal Run	Basin	Northumberland	CWF	None
3—Carbon Run	Basin	Northumberland	CWF	None
3—Furnace Run	Basin	Northumberland	CWF	None
3—Trout Run	Basin	Northumberland	CWF	None
3—Buddys Run	Basin	Northumberland	CWF	None
3—Millers Run	Basin	Northumberland	CWF	None
3—Lick Creek	Basin	Northumberland	CWF	None
3—Little Shamokin Creek	Basin	Northumberland	CWF	None
2—Rolling Green Run	Basin	Snyder	WWF	None
2—Sealholtz Run	Basin	Northumberland	WWF	None
2—Hallowing Run	Basin	Northumberland	WWF	None
2—Boile Run	Basin	Northumberland	WWF	None
2—Penns Creek	Basin, Source to Pine Creek	Centre	CWF	None
3—Pine Creek	Basin, Source to Downstream Boundary of Hook Natural Area	Centre	EV	None
3—Pine Creek	Basin, Downstream Boundary of Hook Natural Area to Stony Run	Centre	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Stony Run	Basin	Centre	EV	None
3—Pine Creek	Basin, Stony Run to PA Route 45 Bridge	Centre	HQ-CWF	None
3—Pine Creek	Basin, PA Route 45 to Elk Creek	Centre	EV	None
4—Elk Creek	Basin, Source to Railroad Creek	Centre	HQ-CWF	None
5—Railroad Creek	Basin	Centre	EV	None
4—Elk Creek	Basin, Railroad Creek to SR 1012 at RM 5.9	Centre	HQ-CWF	None
4—Elk Creek	Basin, SR 1012 Bridge to Mouth	Centre	EV	None
3—Pine Creek	Basin, Elk Creek to Mouth	Centre	EV	None
2—Penns Creek	Basin, Pine Creek to Cherry Run	Union	HQ-CWF	None
3—Cherry Run	Basin	Union	EV	None
2—Penns Creek	Basins, Cherry Run to Laurel Run	Union	HQ-CWF	None
3—Laurel Run	Basin	Union	CWF	None
2—Penns Creek	Main Stem, Laurel Run to Mouth	Snyder	WWF	None
2—Penns Creek				
3—Unnamed Tributaries to Penns Creek	Basins, Laurel Run to RM 26.50	Union	CWF	None
3—Furnace Run	Basin	Northumberland	CWF	None
3—Unnamed Tributary to Penns Creek at RM 26.50	Basin	Union	TSF	None
3—Unnamed Tributaries to Penns Creek	Basins, RM 26.50 to RM 24.95	Union	CWF	None
3—Cold Run	Basin	Union	TSF	None
3—Unnamed Tributary to Penns Creek at RM 24.95	Basin	Union	TSF	None
3—Unnamed Tributaries to Penns Creek	Basins, RM 24.95 to Mouth	Union-Snyder	CWF	None
3—Dry Run	Basin	Snyder	CWF	None
3—Sweitzers Run	Basin	Union	CWF	None
3—Tuscarora Creek	Basin	Snyder	CWF	None
3—Monongahela Creek	Basin	Snyder	CWF	None
3—Middle Creek	Main Stem	Snyder	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Middle Creek	Basin	Snyder	CWF	None
4—Kreb Gap Run	Basin	Snyder	HQ-CWF	None
4—Ullsh Gap Run	Basin	Snyder	HQ-CWF	None
4—South Branch Middle Creek	Main Stem	Snyder	TSF	None
5—Unnamed Tributaries to South Branch Middle Creek	Basins	Snyder	CWF	None
4—Beaver Creek	Basin	Snyder	CWF	None
4—North Branch Middle Creek	Main Stem	Snyder	TSF	None
5—Unnamed Tributaries to North Branch Middle Creek	Basins	Snyder	CWF	None
5—Moyers Mill Run	Basin	Snyder	CWF	None
5—Swift Run	Basin	Snyder	HQ-CWF	None
5—Stony Run	Basin	Snyder	CWF	None
4—Kern Run	Basin	Snyder	CWF	None
4—Bowersox Run	Basin, Source to FAS 690	Snyder	HQ-CWF	None
4—Erb Run	Basin, Source to FAS 690	Snyder	HQ-CWF	None
4—Susquehecka Creek (Freeburg Run)	Basin	Snyder	CWF	None
2—Mahanoy Creek	Main Stem	Northumberland	WWF	None
3—Unnamed Tributaries to Mahanoy Creek	Basins	Northumberland	CWF	None
3—North Mahanoy Creek	Basin	Schuylkill	CWF	None
3—Shenandoah Creek	Basin	Schuylkill	CWF	None
3—Little Mahanoy Creek	Basin	Schuylkill	CWF	None
3—Crab Run	Basin	Schuylkill	CWF	None
3—Zerbe Run	Basin	Schuylkill	CWF	None
3—Schwaben Creek	Basin	Northumberland	TSF	None
2—Fidlers Run	Basin	Northumberland	WWF	None
2—Silver Run	Basin	Snyder	WWF	None
2—Harrold Run	Basin	Snyder	WWF	None
2—Chapman Creek	Basin	Snyder	WWF	None
2—Independence Run	Basin	Snyder	WWF	None
2—Dalmatia Creek	Basin	Northumberland	WWF	None
2—Hoffer Creek	Basin	Snyder	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—North Branch Mahantango Creek	Main Stem, Source to Confluence with West Branch	Snyder	TSF	None
4—Unnamed Tributaries to North Branch Mahantango Creek	Basins, Source to Confluence with West Branch	Snyder	CWF	None
4—Aline Creek	Basin	Snyder	CWF	None
3—West Branch Mahantango Creek	Main Stem, Source to Confluence with North Branch	Snyder-Juniata	TSF	None
4—Unnamed Tributaries to West Branch Mahantango Creek	Basins, Source to Confluence with North Branch	Snyder-Juniata	CWF	None
4—Quaker Run	Basin	Juniata	CWF	None
4—Leiningers Run	Basin	Juniata	CWF	None
4—Dobson Run	Basin	Snyder	CWF	None
2—Mahantango Creek (West)	Basin, Confluence of North and West Branches to Mouth	Snyder-Juniata	WWF	None
2—Boyers Run	Basin	Perry	WWF	None
2—Mahantango Creek (East)	Basin, Source to Pine Creek	Schuylkill-Northumberland	CWF	None
3—Pine Creek	Basin	Schuylkill	CWF	None
2—Mahantango Creek (East)	Basin, Pine Creek to Mouth	Dauphin-Northumberland	WWF	None
2—Bargers Run	Basin	Perry	WWF	None
2—Wiconisco Creek	Main Stem	Dauphin	WWF	None
3—Unnamed Tributaries to Wiconisco Creek	Basins, Source to US 209 Bridge at Loyalton	Schuylkill-Dauphin	CWF	None
3—Bear Creek	Basin	Dauphin	CWF	None
3—Rattling Creek	Basin, Source to Confluence of East and West Branches	Dauphin	EV	None
3—Rattling Creek	Basin, Confluence of East and West Branches to Mouth	Dauphin	HQ-CWF	None
3—Unnamed Tributaries to Wiconisco Creek	Basins, US 209 Bridge at Loyalton to Mouth	Dauphin	WWF	None
3—Little Wiconisco Creek	Basin	Dauphin	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Hunters Run	Basin	Perry	WWF	None
2—Bucks Run	Basin	Perry	WWF	None
2—Gurdy Run	Basin	Dauphin	WWF	None
2—Armstrong Creek	Basin, Source to Unnamed Tributary at RM 9.86	Dauphin	CWF	None
3—Unnamed Tributary to Armstrong Creek at RM 9.86	Basin, Source to SR 1003 Bridge	Dauphin	HW-CWF	None
3—Unnamed Tributary to Armstrong Creek at RM 9.86	Basin, SR 1003 Bridge to Mouth	Dauphin	CWF	None
2—Armstrong Creek	Basin, Unnamed Tributary at RM 9.86 to LR 22028 (SR 4001) Bridge	Dauphin	CWF	None
2—Armstrong Creek	Basin, LR 22028 Bridge to Mouth	Dauphin	TSF	None
2—Buffalo Creek	Basin	Perry	WWF	None
2—Powell Creek				
3—North Fork Powell Creek	Basin, Source to Confluence with South Fork	Dauphin	CWF	None
3—South Fork Powell Creek	Basin, Source to Confluence with North Fork	Dauphin	CWF	None
2—Powell Creek	Basin, Confluence of North and South Forks to Mouth	Dauphin	TSF	None

Authority

The provisions of this § 93.9m amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

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Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9n. Drainage List N.

Susquehanna River Basin in Pennsylvania
Juniata River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River				
2—Juniata River				
3—Frankstown Branch Juniata River				
4—Beaverdam Creek	Basin, Source to Pine Run	Blair	CWF	None
5—Pine Run	Basin	Blair	WWF	None
4—Beaverdam Creek	Basin, Pine Run to Confluence with South Poplar Run	Blair	CWF	None
4—South Poplar Run	Basin, Source to Confluence with Beaverdam Creek	Blair	CWF	None
3—Frankstown Branch Juniata River	Main Stem, Confluence of Beaverdam Creek and South Poplar Run to Halter Creek	Blair	TSF	None
4—Unnamed Tributaries to Frankstown Branch	Basins, Confluence of Beaverdam Creek and South Poplar Run to Halter Creek	Blair	WWF	None
4—Polecat Run	Basin	Blair	WWF	None
4—Pawpaw Run	Basin	Blair	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—South Dry Run	Basin	Blair	WWF	None
4—McDonald Run	Basin	Blair	WWF	None
4—Halter Creek	Basin	Blair	WWF	Add Col ₂
3—Frankstown Branch Juniata River	Main Stem, Halter Creek to Piney Creek	Blair	WWF	Add Col ₂
4—Unnamed Tributaries to Frankstown Branch	Basins, Halter Creek to Piney Creek	Blair	WWF	None
4—Poplar Run	Basin	Blair	CWF	None
4—Old Town Run	Basin	Blair	WWF	None
4—Beaverdam Branch				
5—Burgoon Run	Main Stem, Source to Confluence with Mill Run	Blair	TSF	None
6—Unnamed Tributaries to Burgoon Run	Basins, Source to Confluence with Mill Run	Blair	WWF	None
6—Glenwhite Run	Basin	Blair	CWF	None
6—Kittanning Run	Basin	Blair	CWF	None
6—Scotch Gap Run	Basin	Blair	WWF	None
5—Mill Run	Basin, Source to Allegheny Reservoir	Blair	HQ-CWF	None
5—Mill Run	Basin, Allegheny Reservoir to Confluence with Burgoon Run	Blair	WWF	None
4—Beaverdam Branch	Main Stem, Confluence of Burgoon Run and Mill Run to PA 36 Bridge	Blair	TSF	None
5—Unnamed Tributaries to Beaverdam Branch	Basins, Confluence of Burgoon Run and Mill Run to PA Rte 36 Bridge	Blair	WWF	None
5—Sugar Run	Basin	Blair	CWF	None
5—Spencer Run	Basin	Blair	WWF	None
5—Blair Gap Run	Basin, Source to Altoona Reservoir at RM 5.6	Blair	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Blair Gap Run	Main Stem Altoona Reservoir at RM 5.6 to Mouth	Blair	TSF	None
6—Unnamed Tributaries to Blair Gap Run	Basins, Altoona Reservoir at RM 5.6 to Mouth	Blair	TSF	None
6—Dry Run	Basin	Blair	WWF	None
6—Gillians Run	Basin	Blair	CWF	None
4—Beaverdam Branch	Basin, PA 36 Bridge to Mouth	Blair	WWF	None
4—Brush Creek	Basin	Blair	WWF	None
4—Robinson Run	Basin	Blair	WWF	None
4—Canoe Creek	Basin	Blair	HQ-CWF	None
4—Township Run	Basin	Blair	WWF	None
4—Piney Creek	Basin	Blair	HQ-CWF	None
3—Frankstown Branch Juniata River	Main Stem, Piney Creek to US 22 Bridge	Huntingdon	TSF	Add Col ₂
4—Unnamed Tributaries to Frankstown Branch	Basins, Piney Creek to US 22 Bridge	Blair-Huntingdon	WWF	None
4—Clover Creek	Basin	Blair	HQ-CWF	None
4—Schmucker Run	Basin	Blair	WWF	None
4—Yellow Spring Run	Basin	Blair	WWF	None
4—Roaring Run	Basin	Blair	WWF	None
4—Fox Run	Basin	Blair-Huntingdon	WWF	None
3—Frankstown Branch Juniata River	Main Stem, US 22 Bridge to Confluence with Little Juniata River	Huntingdon	WWF	Add Col ₂
4—Unnamed Tributaries to Frankstown Branch	Basins, US 22 Bridge to Confluence with Little Juniata River	Huntingdon	WWF	None
4—Robinson Run	Basin	Huntingdon	WWF	None
3—Little Juniata River	Main Stem, Source to South Bald Eagle Creek	Blair	TSF	None
4—Unnamed Tributaries to Little Juniata River	Basins, Source to South Bald Eagle Creek	Blair	WWF	None
4—Spring Run	Basin	Blair	WWF	None
4—Kettle Creek	Basin	Blair	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Homer Gap Run	Basin	Blair	WWF	None
4—Sandy Run	Basin	Blair	CWF	None
4—Riggles Gap Run	Basin	Blair	CWF	None
4—Sugar Run	Basin	Blair	WWF	None
4—Bells Gap Run	Basin	Blair	TSF	None
4—Tipton Run	Basin	Blair	HQ-CWF	None
4—Hutchinson Run	Basin	Blair	WWF	None
4—Schell Run	Basin	Blair	WWF	None
4—South Bald Eagle Creek	Main Stem	Blair	TSF	None
5—Unnamed Tributaries to South Bald Eagle Creek	Basins	Blair	TSF	None
5—Big Fill Run	Basin, Source to T-606 Bridge	Blair	EV	None
5—Big Fill Run	Basin, T-606 Bridge to Mouth	Blair	HQ-CWF	None
5—Vanscoyoc Run	Basin	Blair	CWF	None
5—Decker Run	Basin	Blair	TSF	None
5—Laurel Run	Basin	Blair	TSF	None
5—Sink Run	Basin	Blair	TSF	None
3—Little Juniata River	Main Stem, South Bald Eagle Creek to Spruce Creek	Huntingdon	TSF	Add Col ₂
4—Unnamed Tributaries to Little Juniata River	Basins, South Bald Eagle Creek to Spruce Creek	Huntingdon-Blair	WWF	None
4—Logan Spring Run	Basin	Huntingdon	WWF	None
4—Elk Run	Basin	Blair	WWF	None
4—Gensimore Run	Basin	Huntingdon	WWF	None
4—Sinking Run	Basin	Huntingdon	CWF	None
4—Spruce Creek	Basin	Huntingdon	HQ-CWF	None
3—Little Juniata River	Main Stem, Spruce Creek to Confluence with Frankstown Branch	Huntingdon	CWF	Add Col ₂
4—Unnamed Tributaries to Little Juniata River	Basins, Spruce Creek to Confluence with Frankstown Branch	Huntingdon	WWF	None
4—McLain Run	Basin	Huntingdon	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Juniata River	Main Stem, Confluence of Frankstown Branch and Little Juniata River to Mouth	Perry	WWF	None
3—Unnamed Tributaries to Juniata River	Basins, Confluence of Frankstown Branch and Little Juniata River to Raystown Branch	Huntingdon	WWF	None
3—Shaver Creek	Basin	Huntingdon	HQ-CWF	None
3—Standing Stone Creek	Basin	Huntingdon	HQ-CWF	None
3—Crooked Creek	Basin	Huntingdon	WWF	None
3—Snyders Run	Basin	Huntingdon	WWF	None
3—Raystown Branch Juniata River	Basin, Source to Breastwork Run	Somerset	CWF	None
4—Breastwork Run	Basin	Somerset	HQ-CWF	None
3—Raystown Branch Juniata River	Basin, Breastwork Run to Somerset-Bedford County Border	Somerset-Bedford	CWF	None
3—Raystown Branch Juniata River	Main Stem, Somerset-Bedford County Border to Bedford-Huntingdon County Border	Bedford-Huntingdon	TSF	None
4—Unnamed Tributaries to Raystown Branch	Basins, Somerset-Bedford County Border to Bedford-Huntingdon County Border	Bedford	WWF	None
4—Spicer Brook	Basin	Bedford	WWF	None
4—Shawnee Branch	Basin	Bedford	WWF	None
4—Buffalo Run	Basin	Bedford	WWF	None
4—Cumberland Valley Run	Basin	Bedford	WWF	None
4—Shobers Run	Basin	Bedford	HQ-CWF	None
4—Dunning Creek	Main Stem	Bedford	WWF	None
5—Unnamed Tributaries to Dunning Creek	Basins	Bedford	WWF	None
5—Rocklick Creek	Basin	Bedford	WWF	None
5—Bearfoot Run	Basin	Bedford	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Georges Creek	Basin	Bedford	WWF	None
5—Bobs Creek	Basin, Source to Deep Hollow Run	Bedford	HQ-CWF	None
6—Deep Hollow Run	Basin	Bedford	HQ-CWF	None
5—Bobs Creek	Basin, Deep Hollow Run to Mouth	Bedford	CWF	None
5—Adams Run	Basin	Bedford	WWF	None
5—Oppenheimer Run	Basin	Bedford	WWF	None
5—Brush Run	Basin	Bedford	WWF	None
5—Imlertown Run	Basin	Bedford	TSF	None
5—Pleasant Valley Run	Basin	Bedford	CWF	None
4—Cove Creek	Basin, Source to Unnamed Tributary at RM 3.93	Bedford	CWF	None
5—Unnamed Tributary to Cove Creek at RM 3.93 (at Ott Town)	Basin	Bedford	HQ-CWF	None
4—Cove Creek	Basin, Unnamed Tributary at RM 3.93 to Mouth	Bedford	CWF	None
4—Snakespring Valley Run	Basin	Bedford	WWF	None
4—Clear Creek	Basin	Bedford	TSF	None
4—Greys Run	Basin	Bedford	WWF	None
4—Brush Creek	Basin, Source to Fulton-Bedford County Border	Fulton-Bedford	HQ-CWF	None
4—Brush Creek	Basin, Fulton-Bedford County Border to Mouth	Bedford	WWF	None
4—Tub Mill Run	Basin	Bedford	WWF	None
4—French Run	Basin	Bedford	WWF	None
4—Sherman Valley Run	Basin	Bedford	CWF	None
4—Pipers Run	Basin	Bedford	WWF	None
4—Sandy Run	Basin	Bedford	WWF	None
4—Yellow Creek	Basin	Bedford	HQ-CWF	None
4—Sixmile Run	Basin	Bedford	WWF	None
4—Ravers Run	Basin	Bedford	TSF	None
4—Shoup Run	Basin	Bedford	WWF	None
3—Raystown Branch Juniata River	Main Stem, Bedford-Huntingdon County Border to Mouth	Huntingdon	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Raystown Branch	Basins, Bedford-Huntingdon County Border to Mouth	Huntingdon	WWF	None
4—Shy Beaver Creek	Basin	Huntingdon	WWF	None
4—Tatman Run	Basin	Huntingdon	HQ-CWF; MF	None
4—Coffee Run	Basin	Huntingdon	WWF	None
4—Great Trough Creek	Basin	Huntingdon	TSF	None
4—James Creek	Basin	Huntingdon	WWF	None
4—Hawns Run	Basin	Huntingdon	WWF	None
3—Unnamed Tributaries to Juniata River	Basins, Raystown Branch to Kishacoquillas Creek	Huntingdon-Mifflin	HQ-CWF	None
3—Pike Run	Basin	Huntingdon	HQ-CWF	None
3—Sugar Grove Run	Basin	Huntingdon	HQ-CWF	None
3—Mill Creek	Basin	Huntingdon	TSF	None
3—Shaughnessy Run	Basin	Huntingdon	HQ-CWF	None
3—Smith Run	Basin	Huntingdon	TSF	None
3—Hares Valley Creek	Basin	Huntingdon	TSF	None
3—Scrub Run	Basin	Huntingdon	HQ-CWF	None
3—Deep Hollow Run	Basin	Huntingdon	HQ-CWF	None
3—Furnace Run	Basin	Mifflin	HQA-CWF	None
3—Hill Valley Creek	Basin	Huntingdon	HQ-CWF	None
3—Aughwick Creek	Main Stem	Huntingdon	TSF	None
4—Unnamed Tributaries to Aughwick Creek	Basins	Huntingdon	TSF	None
4—Sideling Hill Creek	Basin	Huntingdon	HQ-CWF	None
4—Little Aughwick Creek				
5—North Branch Little Aughwick Creek	Basin, Source to Confluence with South Branch	Fulton	HQ-CWF	None
5—South Branch Little Aughwick Creek	Basin, Source to Confluence with North Branch	Fulton	HQ-CWF	None
4—Little Aughwick Creek	Basin, Confluence of North and South Branches to Mouth	Huntingdon	TSF	None
4—Lick Run	Basin	Huntingdon	TSF	None
4—Three Springs Creek	Basin	Huntingdon	CWF	None
4—Laurel Run	Basin	Huntingdon	CWF	None
4—Blacklog Creek	Basin, Source to Shade Creek	Huntingdon	HQ-CWF	None
5—Shade Creek	Basin	Huntingdon	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Blacklog Creek	Basin, Shade Creek to Mouth	Huntingdon	CWF	None
4—Old Womans Run	Basin	Huntingdon	CWF	None
4—Browns Gap Run	Basin	Huntingdon	CWF	None
4—Sugar Run	Basin	Huntingdon	CWF	None
4—Fort Run	Basin	Huntingdon	CWF	None
3—West Licking Creek	Basin	Huntingdon	HQ-CWF	None
3—Beaverdam Run	Basin	Mifflin	HQ-CWF	None
3—Wharton Run	Basin	Mifflin	HQ-CWF	None
3—Shanks Run	Basin	Mifflin	HQ-CWF	None
3—Musser Run	Basin	Mifflin	HQ-CWF	None
3—Town Run	Basin	Mifflin	HQ-CWF	None
3—Wakefield Run	Basin	Mifflin	HQ-CWF	None
3—Carlisle Run	Basin	Mifflin	HQ-CWF	None
3—Strodes Run	Basin	Mifflin	HQ-CWF	None
3—Minehart Run	Basin	Mifflin	HQ-CWF	None
3—Granville Run	Basin	Mifflin	HQ-CWF	None
3—Kishacoquillas Creek	Basin, Source to Tea Creek	Mifflin	CWF	None
4—Tea Creek	Basin	Mifflin	HQ-CWF	None
3—Kishacoquillas Creek	Main Stem, Tea Creek to Mouth	Mifflin	TSF	None
4—Unnamed Tributaries to Kishacoquillas	Basins, Tea Creek to Mouth	Mifflin	TSF	None
4—Honey Creek	Basin	Mifflin	HQ-CWF, MF	None
4—Buck Run	Basin	Mifflin	TSF	None
3—Unnamed Tributaries to Juniata River	Basins, Kishacoquillas Creek to Little Buffalo Creek	Mifflin-Perry	CWF	None
3—Jacks Creek	Basin, Source to Meadow Creek	Mifflin	CWF	None
4—Meadow Creek	Basin	Mifflin	CWF	None
3—Jacks Creek	Basin, Meadow Creek to Mouth	Mifflin	TSF	None
3—Roaring Run	Basin	Juniata	CWF	None
3—Macedonia Run	Basin	Juniata	HQ-CWF	None
3—Muddy Run	Basin	Juniata	CWF	None
3—Horning Run	Basin	Juniata	CWF	None
3—Lost Creek	Basin, Source to Little Lost Creek	Juniata	CWF	None
4—Little Lost Creek	Basin	Juniata	TSF	None
3—Lost Creek	Main Stem, Little Lost Creek to Mouth	Juniata	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Lost Creek	Basins, Little Lost Creek to Mouth	Juniata	TSF	None
4—Laurel Run	Basin	Juniata	TSF	None
4—Big Run	Basin	Juniata	CWF	None
3—Schweyer Run	Basin	Juniata	CWF	None
3—Tuscarora Creek	Basin, Source to Horse Valley Run	Juniata	CWF	None
4—Horse Valley Run	Basin	Juniata	HQ-CWF	None
3—Tuscarora Creek	Basin, Horse Valley Run to Willow Run	Juniata	CWF	None
4—Willow Run	Basin	Juniata	HQ-CWF	None
3—Tuscarora Creek	Basin, Willow Run to East Licking Creek	Juniata	CWF	None
4—East Licking Creek	Basin, Source to Clearview Reservoir Water Supply Intake	Juniata	HQ-CWF	None
4—East Licking Creek	Basin, Clearview Reservoir Water Supply Intake to Mouth	Juniata	CWF	None
3—Tuscarora Creek	Basin, East Licking Creek to Mouth	Juniata	CWF	None
3—Doe Run	Basin	Juniata	TSF	None
3—Locust Run	Basin	Juniata	CWF	None
3—Delaware Creek	Basin	Juniata	TSF	None
3—Raccoon Creek	Basin	Perry	CWF	None
3—Sugar Run	Basin	Juniata	CWF	None
3—Cocolamus Creek	Basin	Perry	TSF	None
3—Reiders Run	Basin	Perry	CWF	None
3—Wildcat Run	Basin	Perry	CWF	None
3—Buffalo Creek	Basin	Perry	HQ-CWF	None
3—Little Buffalo Creek	Basin, Source to State Park Dam	Perry	HQ-CWF	None
3—Little Buffalo Creek	Basin, State Park Dam to Mouth	Perry	CWF	None
3—Unnamed Tributaries to Juniata River	Basins, Little Buffalo Creek to Mouth	Perry	WWF	None
3—Bailey Run	Basin	Perry	CWF	None
3—Howe Run	Basin	Perry	WWF	None
3—Board Run	Basin	Perry	WWF	None
3—White Run	Basin	Perry	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Losh Run	Basin	Perry	WWF	None

Authority

The provisions of this § 93.9n amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.9n adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa.B. 3741; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended September 22, 1995, effective September 23, 1995, 25 Pa.B. 3971; amended November 8, 1996, effective November 9, 1996, 26 Pa.B. 5370; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (214259), (199391) to (199392), (221937) to (221938), (199395) to (199398) and (221939)

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.90. Drainage List O.

Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Susquehanna River	Main Stem, Juniata River to PA-MD State Border	York- Lancaster	WWF	<i>Add Mn</i>
2—Unnamed Tributaries to Susquehanna River	Basins, Juniata River to Muddy Run	Perry- Cumberland- Dauphin-York- Lancaster	WWF	None
2—Little Juniata Creek	Basin	Perry	CWF	None
2—Sherman Creek	Basin, Source to Cisna Run Village	Perry	HQ-CWF	None
2—Sherman Creek	Main Stem, Cisna Run Village to Mouth	Perry	WWF	None
3—Unnamed Tributaries to Sherman Creek	Basins, Cisna Run Village to Mouth	Perry	WWF	None
3—Bixler Run	Basin	Perry	CWF	None
3—Muddy Run	Basin	Perry	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Laurel Run				
4—North Branch Laurel Run	Basin, Source to Confluence with South Branch	Perry	EV	None
4—South Branch Laurel Run	Basin, Source to Confluence with North Branch	Perry	HQ-CWF	None
3—Laurel Run	Basin, Confluence of North and South Branches to T 339	Perry	HQ-CWF	None
3—Laurel Run	Basin, T 339 to Mouth	Perry	CWF	None
3—Montour Creek	Basin	Perry	CWF	None
3—Baken Creek	Basin	Perry	CWF	None
3—McCabe Run	Basin	Perry	CWF	None
3—Green Valley Run	Basin	Perry	CWF	None
3—Perry Furnace Run	Basin	Perry	CWF	None
3—Pisgah Run	Basin	Perry	WWF	None
3—Fishing Run	Basin	Perry	WWF	None
3—Dark Run	Basin	Perry	CWF	None
2—Cove Creek	Basin	Perry	CWF	None
2—Clark Creek	Basin	Dauphin	HQ-CWF	None
2—Stony Creek	Basin, Source to Ellendale Dam	Dauphin	HQ-CWF	None
2—Stony Creek	Basin, Ellendale Dam to Mouth	Dauphin	CWF	None
2—Fishing Creek (West)	Basin	Perry	CWF	None
2—Fishing Creek (East)	Basin	Dauphin	WWF	None
2—Conodoguinet Creek	Basin, Source to Letterkenny Reservoir Dam	Franklin	HQ-CWF	None
2—Conodoguinet Creek	Basin, Letterkenny Reservoir Dam to Trout Run	Franklin	CWF	None
3—Trout Run	Basin, Source to Water Supply Dam	Franklin	EV	None
2—Conodoguinet Creek	Basin, Trout Run to PA 997 at Roxbury	Franklin	CWF	None
2—Conodoguinet Creek	Main Stem, PA 997 at Roxbury to Mouth	Franklin	WWF	None

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	None
3—Muddy Run	Basin	Franklin	WWF	None
3—Keasey Run	Basin	Franklin	WWF	None
3—Rowe Run	Basin	Franklin	CWF	None
3—Middle Spring Creek	Basin	Franklin-Cumberland	CWF	None
3—Paxton Run	Basin	Cumberland	WWF	None
3—Newburg Run	Basin	Cumberland	WWF	None
3—Peebles Run	Basin	Cumberland	WWF	None
3—Three Square Hollow Run	Basin	Cumberland	WWF	None
3—Green Spring Creek	Basin	Cumberland	CWF	None
3—Brandy Run	Basin	Cumberland	CWF	None
3—Whisky Run	Basin	Cumberland	TSF	None
3—Back Creek	Basin	Cumberland	WWF	None
3—Doubling Gap Creek	Basin, Source to PA 944	Cumberland	HQ-CWF	None
3—Doubling Gap Creek	Basin, PA 944 to Mouth	Cumberland	CWF	None
3—Big Spring Creek	Basin, Source to SR 3007 (T 333)	Cumberland	EV	None
3—Big Spring Creek	Basin, SR 3007 (T 333) to Mouth	Cumberland	CWF	None
3—Rock Run	Basin	Cumberland	WWF	None
3—Bloser Creek	Basin	Cumberland	WWF	None
3—Locust Creek	Basin	Cumberland	WWF	None
3—Mount Rock Spring Creek	Basin	Cumberland	WWF	None
3—Opossum Creek	Basin, Source to PA Fish Commission Dam	Cumberland	HQ-TSF	None
3—Opossum Creek	Basin, PA Fish Commission Dam to Mouth	Cumberland	TSF	None
3—Alexanders Spring Creek	Basin	Cumberland	CWF	None
3—Meetinghouse Run	Basin	Cumberland	WWF	None
3—Wertz Run	Basin	Cumberland	WWF	None
3—Spring Run	Basin	Cumberland	WWF	None
3—Letort Spring Run	Basin, Source to PA 34 Bridge	Cumberland	HQ-CWF	None
3—Letort Spring Run	Basin, PA 34 Bridge to Railroad Bridge at Letort Park	Cumberland	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Letort Spring Run	Basin, Railroad Bridge at Letort Park to Mouth	Cumberland	CWF	None
3—Letort Spring Run	Basin, Railroad Bridge at Letort Park to Mouth	Cumberland	CWF	None
3—Simmons Creek	Basin	Cumberland	WWF	None
3—Hogestown Run	Basin	Cumberland	CWF	None
3—Trindle Spring Run	Basin	Cumberland	CWF	None
2—Paxton Creek	Basin	Dauphin	WWF	None
2—Spring Creek	Basin	Dauphin	WWF	None
2—Yellow Breeches Creek	Main Stem, Source to LR 21012 (SR 1007)	Cumberland	HQ-CWF	None
3—Unnamed Tributaries to Yellow Breeches Creek	Basins, Source to LR 21012	Cumberland	HQ-CWF	None
3—Hairy Springs Hollow	Basin	Cumberland	HQ-CWF	None
3—Sthromes Hollow	Basin	Cumberland	HQ-CWF	None
3—Watery Hollow	Basin	Cumberland	HQ-CWF	None
3—Peach Orchard Hollow	Basin	Cumberland	HQ-CWF	None
3—Bettem Hollow	Basin	Cumberland	HQ-CWF	None
3—State Road Hollow	Basin	Cumberland	HQ-CWF	None
3—Irishtown Gap Hollow	Basin	Cumberland	HQ-CWF	None
3—Kings Gap Hollow	Basin	Cumberland	HQ-CWF	None
3—Spruce Run	Basin	Cumberland	HQ-CWF	None
3—Mountain Creek	Basin, Source to Toland	Cumberland	HQ-CWF	None
3—Mountain Creek	Basin, Toland to Mt. Holly Springs	Cumberland	CWF	None
3—Mountain Creek	Basin, Mt. Holly Springs to Mouth	Cumberland	TSF	None
3—Old Town Run	Basin	Cumberland	HQ-CWF	None
2—Yellow Breeches Creek	Main Stem, LR 21012 to Mouth	Cumberland-York-Dauphin	CWF	<i>Delete</i> DO ₁ <i>Add</i> DO ₆
3—Unnamed Tributaries to Yellow Breeches Creek	Basins, LR 21012 to Mouth	Cumberland-York	CWF	None
3—Dogwood Run	Basin	Cumberland	CWF	None
3—Stony Run	Basin	York	CWF	None
3—Pippins Run	Basin	York	CWF	None
3—Cedar Run	Basin	Cumberland	CWF	None
2—Marsh Run	Basin	York	WWF	None
2—Laurel Run	Basin	Dauphin	WWF	None
2—Swatara Creek	Basin, Source to Mill Creek	Schuylkill	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Mill Creek	Basin, Source to City of Lebanon Authority Dam	Schuylkill	EV	None
3—Mill Creek	Basin, City of Lebanon Authority Dam to Mouth	Schuylkill	CWF	None
2—Swatara Creek	Basin, Mill Creek to Proposed Swatara Gap Dam	Lebanon	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Swatara Creek	Main Stem, Proposed Swatara Gap Dam to Mouth	Dauphin	WWF	None
3—Unnamed Tributaries to Swatara Creek	Basins, Proposed Swatara Gap Dam to Mouth	Lebanon-Dauphin	WWF	None
3—Monroe Creek	Basin, Source to Tailwaters of Lake Strause	Lebanon	HQ-CWF	None
3—Monroe Creek	Basin, Lake Strause	Lebanon	WWF	None
3—Monroe Creek	Basin, Lake Strause Dam to Mouth	Lebanon	WWF	None
3—Forge Creek	Basin	Lebanon	WWF	None
3—Oil Creek	Basin	Lebanon	WWF	None
3—Red Run	Basin	Lebanon	WWF	None
3—Little Swatara Creek	Basin, Source to Berks-Lebanon County Border	Berks-Lebanon	CWF	None
3—Little Swatara Creek	Basin, Berks-Lebanon County Border to Mouth	Lebanon	WWF	None
3—Quittapahilla Creek	Basin	Lebanon	TSF	None
3—Manada Creek	Basin, Source to I-81	Dauphin	CWF	None
3—Manada Creek	Basin, I-81 to Mouth	Dauphin	WWF	None
3—Spring Creek	Basin	Dauphin	WWF	None
3—Beaver Creek	Basin	Dauphin	WWF	None
3—Iron Run	Basin	Dauphin	WWF	None
2—Fishing Creek	Basin	York	TSF	None
2—Conewago Creek	Basin	Lancaster-Dauphin	TSF	None
2—West Conewago Creek	Basin, Source to Pleasant Dale Creek	Adams	HQ-CWF	None
3—Pleasant Dale Creek	Basin	Adams	WWF	None
2—West Conewago Creek	Main Stem, Pleasant Dale Creek to Oppossum Creek	Adams	CWF	None
3—Unnamed Tributaries to West Conewago Creek	Basins, Pleasant Dale Creek to Oppossum Creek	Adams	WWF	None
3—Oppossum Creek	Basin	Adams	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—West Conewago Creek	Main Stem, Opposum Creek to Adams-York County Border	Adams-York	WWF	None
3—Unnamed Tributaries to West Conewago Creek	Basins, Opposum Creek to Adams-York County Border	Adams	WWF	None
3—Beaverdam Creek	Basin	Adams	WWF	None
3—Plum Run	Basin	Adams	WWF	None
3—Swift Run	Basin	Adams	WWF	None
3—South Branch Conewago Creek	Main Stem, PA-MD State Border to Mouth	Adams	WWF	None
4—Unnamed Tributaries to South Branch Conewago Creek	Basins (all sections in PA)	Adams-York	WWF	None
4—Long Arm Creek	Basin, PA-MD State Border to Mouth (all sections in PA)	York	WWF	None
4—Haldeman Quarries	Basin	Adams	CWF	None
4—Indian Run	Basin	Adams	WWF	None
4—Plum Creek	Basin	Adams	WWF	None
3—Pine Run	Basin	Adams	WWF	None
3—Markel Run	Basin	Adams	WWF	None
3—Beaver Creek	Basin	Adams	WWF	None
2—West Conewago Creek	Main Stem, Adams-York County Border to Mouth	York	WWF	None
3—Unnamed Tributaries to West Conewago Creek	Basins, Adams-York County Border to Mouth	York	WWF	None
3—Davidsburg Run	Basin	York	WWF	None
3—Bermudian Creek	Main Stem	York	WWF	None
4—Unnamed Tributaries to Bermudian Creek	Basins	Adams-York	WWF	None
4—Gardner Run	Basin	Adams	WWF	None
4—Latimore Creek	Basin	Adams	CWF	None
4—North Branch Bermudian Creek	Basin	York	WWF	None
4—Mud Run	Basin	York	WWF	None
4—Doe Run	Basin	York	WWF	None
4—Red Run	Basin	York	WWF	None
3—Beaver Creek	Basin	York	WWF	None
3—Laurel Run	Basin	York	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Bennett Run	Basin	York	WWF	None
3—Little Conewago Creek	Basin	York	TSF	None
3—Musser Run	Basin	York	WWF	None
2—Snitz Creek	Basin	Lancaster	WWF	None
2—Hartman Run	Basin	York	WWF	None
2—Conoy Creek	Basin	Lancaster	TSF	None
2—Codus Creek	Basin, Source to West Branch	York	TSF	None
3—West Branch Codorus Creek	Basin	York	WWF	None
2—Codus Creek	Main Stem, West Branch to Oil Creek	York	CWF	None
3—Unnamed Tributaries to Codorus Creek	Basins, West Branch to Oil Creek	York	WWF	None
3—Porters Creek	Basin	York	WWF	None
3—Oil Creek	Basin	York	WWF	None
2—Codus Creek	Main Stem, Oil Creek to Mouth	York	WWF	Add Col ₁
3—Unnamed Tributaries to Codorus Creek	Basins, Oil Creek to Mouth	York	WWF	None
3—Bunch Creek	Basin	York	WWF	None
3—Stoverstown Branch	Basin	York	WWF	None
3—South Branch Codorus Creek	Main Stem	York	WWF	None
4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Source to Unnamed Tributary from Glen Rock Valley at RM 16.06	York	WWF	None
4—Unnamed Tributary to South Branch Codorus Creek Through Glen Rock Valley	Basin	York	CWF	None
4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Unnamed Tributary from Glen Rock Valley to Mouth	York	WWF	None
4—Trout Run	Basin	York	WWF	None
4—Foust Creek	Basin	York	WWF	None
4—Centerville Creek	Basin	York	WWF	None
4—Cherry Run	Basin	York	WWF	None
4—Fishel Creek	Basin	York	WWF	None
4—East Branch Codorus Creek	Basin, Source to PA 214	York	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—East Branch Codorus Creek	Basin, PA 214 to Mouth	York	CWF	None
3—Willis Run	Basin	York	WWF	None
3—Mill Creek	Basin	York	WWF	None
3—Dee Run	Basin	York	WWF	None
3—Trout Run	Basin	York	WWF	None
2—Wildcat Run	Basin	York	WWF	None
2—Dugan Run	Basin	York	WWF	None
2—Chickies Creek	Main Stem	Lancaster	WWF	None
3—Unnamed Tributaries to Chickies Creek	Basins	Lebanon-Lancaster	WWF	None
3—Shearers Creek	Basin	Lancaster	HQ-CWF	None
3—Boyers Run	Basin	Lancaster	WWF	None
3—Rife Run	Basin	Lancaster	WWF	None
3—Dellinger Run	Basin	Lancaster	WWF	None
3—Little Chickies Creek	Basin	Lancaster	TSF	None
3—Donegal Creek	Main Stem	Lancaster	TSF	None
4—Unnamed Tributaries to Donegal Creek	Basins	Lancaster	CWF	None
4—Donegal Springs	Basin	Lancaster	HQ-CWF	None
2—Kreutz Creek	Basin	York	WWF	None
2—Shawnee Run	Basin	Lancaster	WWF	None
2—Strickler Run	Basin	Lancaster	WWF	None
2—Shumans Run	Basin	Lancaster	WWF	None
2—Stamans Run	Basin	Lancaster	WWF	None
2—Klines Run	Basin	York	WWF	None
2—Dry Run	Basin	Lancaster	WWF	None
2—Witmers Run	Basin	Lancaster	WWF	None
2—Canadochly Creek	Basin	York	WWF	None
2—Cabin Creek	Basin	York	WWF	None
2—Wisslers Run	Basin	Lancaster	HQ-CWF	None
2—Bull Run	Basin	York	WWF	None
2—Fishing Creek	Basin, Source to PA 624 Bridge	York	TSF	None
2—Fishing Creek	Main Stem, PA 624 Bridge to Mouth	York	TSF	None
3—Unnamed Tributaries to Fishing Creek	Basins, PA 624 Bridge to Mouth	York	CWF	None
3—Beaver Creek	Basin	York	CWF	None
2—Green Branch	Basin	York	WWF	None
2—Manns Run	Basin	Lancaster	WWF	None
2—Mahala Run	Basin	York	WWF	None
2—Fisherman Run	Basin	Lancaster	WWF	None
2—Cuffs Run	Basin	York	WWF	None
2—Frys Run	Basin	Lancaster	WWF	None
2—Wilson Run	Basin	York	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Conestoga River	Main Stem	Lancaster	WWF	None
3—Unnamed Tributaries to Conestoga	Basins	Berks- Lancaster	WWF	None
3—Muddy Creek	Main Stem, Source to Little Muddy Creek	Lancaster	TSF	None
4—Unnamed Tributaries to Muddy Creek	Basins, Source to Little Muddy Creek	Berks- Lancaster	WWF	None
4—Rock Run	Basin	Lancaster	HQ-TSF	None
4—Black Creek	Basin	Lancaster	HQ-WWF	None
4—Little Muddy Creek	Basin, Source to PA 897 Bridge	Lancaster	TSF	None
4—Little Muddy Creek	Basin, PA 897 Bridge to Mouth	Lancaster	WWF	None
3—Muddy Creek	Basin, Little Muddy Creek to Mouth	Lancaster	WWF	None
3—Groff Creek	Basin	Lancaster	WWF	None
3—Cocalico Creek	Basin, Source to Blue Lake	Lancaster	HQ-WWF	None
3—Cocalico Creek	Basin, Blue Lake	Lancaster	WWF	None
3—Cocalico Creek	Main Stem, Blue Lake to Mouth	Lancaster	WWF	None
4—Unnamed Tributaries to Cocalico Creek	Basins, Blue Lake to Mouth	Lancaster	WWF	None
4—Harnish Run	Basin	Lancaster	WWF	None
4—Little Cocalico Creek	Basin	Lancaster	TSF	None
4—Stony Run	Basin	Lancaster	WWF	None
4—Coover Run	Basin	Lancaster	WWF	None
4—Indian Run	Basin	Lancaster	TSF	None
4—Meadow Run	Basin	Lancaster	WWF	None
4—Middle Creek	Basin, Source to PA Game Commission Dam	Lancaster	WWF	None
4—Middle Creek	Basin, PA Game Commission Dam to Elders Run	Lancaster	TSF	None
5—Elders Run	Basin	Lancaster	EV	None
4—Middle Creek	Basin, Elders Run to Furnace Run	Lancaster	TSF	None
5—Furnace Run	Main Stem	Lancaster	TSF	None
6—Unnamed Tributaries to Furnace Run	Basins	Lancaster	TSF	None
6—Segloch Run	Basin	Lancaster	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Middle Creek	Basin, Furnace Run to Mouth	Lancaster	WWF	None
4—Hammer Creek	Basin, Source to Speedwell Forge Lake Dam	Lancaster	HQ-CWF	None
4—Hammer Creek	Basin, Speedwell Forge Lake Dam to Mouth	Lancaster	TSF	None
3—Lititz Run	Basin	Lancaster	WWF	None
3—Landis Run	Basin	Lancaster	WWF	None
3—Stauffer Run	Basin	Lancaster	WWF	None
3—Mill Creek	Main Stem, Source to PA A-352	Lancaster	CWF	None
4—Unnamed Tributary to Mill Creek From New Holland Reservoir	Basin, Source to Tailwaters of New Holland Reservoir	Lancaster	HQ-CWF	None
4—Unnamed Tributary to Mill Creek From New Holland Reservoir	Basin, New Holland Reservoir	Lancaster	CWF	None
4—Unnamed Tributary to Mill Creek From New Holland Reservoir	Basin, New Holland Reservoir Dam to Mouth	Lancaster	CWF	None
3—Mill Creek	Basin, PA A-352 to Mouth	Lancaster	WWF	None
3—Stehman Run	Basin	Lancaster	WWF	None
3—Little Conestoga Creek	Basin, Source to Swarr Run	Lancaster	TSF	None
4—Swarr Run	Main Stem	Lancaster	TSF	None
5—Unnamed Tributaries to Swarr Run	Basins	Lancaster	CWF	None
5—Millers Run	Basin	Lancaster	CWF	None
3—Little Conestoga Creek	Basin, Swarr Run to West Branch	Lancaster	WWF	None
4—West Branch Little Conestoga Creek	Basin	Lancaster	TSF	None
3—Little Conestoga Creek	Basin, West Branch to Mouth	Lancaster	WWF	None
3—Witmer Run	Basin	Lancaster	WWF	None
2—Boyds Run	Basin	York	WWF	None
2—Grubb Hollow	Basin	Lancaster	HQ-WWF	None
2—Pequea Creek	Main Stem, Source to PA 897	Lancaster	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Unnamed Tributaries to Pequea Creek	Basins, Source to PA 897	Lancaster	HQ-CWF	None
2—Pequea Creek	Main Stem, PA 897 to Mouth	Lancaster	WWF	None
3—Unnamed Tributaries to Pequea Creek	Basins, PA 897 to Eshleman Run	Lancaster	CWF	None
3—Indian Spring Run	Basin	Lancaster	CWF	None
3—White Horse Run	Basin	Lancaster	WWF	None
3—Umbles Run	Basin	Lancaster	HQ-CWF	None
3—Houston Run	Basin	Lancaster	CWF	None
3—Eshleman Run	Basin	Lancaster	CWF	None
3—Unnamed Tributaries to Pequea Creek	Basins Eshelman Run to RM 3.35	Lancaster	WWF	None
3—Unnamed Tributary to Pequea Creek at RM 3.35	Basin	Lancaster	HQ-CWF	None
3—Unnamed Tributaries to Pequea Creek	Basin, RM 3.35 to RM 3.20	Lancaster	WWF	None
3—Unnamed Tributary to Pequea Creek at RM 3.20	Basin	Lancaster	CWF	None
3—Unnamed Tributaries to Pequea Creek	Basins, RM 3.20 to Mouth	Lancaster	WWF	None
3—Watson Run	Basin	Lancaster	WWF	None
3—Walnut Run	Basin	Lancaster	WWF	None
3—Little Beaver Creek	Basin	Lancaster	TSF	None
3—Big Beaver Creek	Basin	Lancaster	TSF	None
3—Huber Run	Basin	Lancaster	CWF	None
3—Goods Run	Basin	Lancaster	TSF	None
3—Silver Mine Run	Basin	Lancaster	TSF	None
3—Climbers Run	Main Stem	Lancaster	CWF	None
4—Unnamed Tributaries to Climbers Run	Basins	Lancaster	CWF	None
4—Trout Run	Basin	Lancaster	HQ-CWF	None
2—Otter Creek	Main Stem, Source to Upstream Boundary of State Game Lands No. 83 (T 616)	York	CWF	None
3—Unnamed Tributaries to Otter Creek	Basins, Source to Upstream Boundary of State Game Lands No. 83	York	CWF	None
3—Mill Branch	Basin	York	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—South Fork Otter Creek	Basin	York	WWF	None
2—Otter Creek	Basin, Upstream Boundary State Game Lands No. 83 to Mouth	York	HQ-CWF	None
2—Sawmill Run	Main Stem	York	WWF	None
3—Unnamed Tributaries to Sawmill Run	Basins	York	WWF	None
3—Furnace Run	Basin	York	CWF	None
2—House Rock Run	Basin	Lancaster	WWF	None
2—Brubaker Run	Basin	Lancaster	WWF	None
2—Reed Run	Basin	Lancaster	HQ-WWF	None
2—Counselman Run	Basin	York	WWF	None
2—Tucquan Creek	Basin	Lancaster	HQ-CWF	None
2—Duncan Run	Basin	York	WWF	None
2—Oakland Run	Basin	York	CWF	None
2—Kellys Run	Basin	Lancaster	WWF	None
2—Tobe Run	Basin	Lancaster	WWF	None
2—Anderson Run	Basin	York	WWF	None
2—Muddy Run	Basin, Source to Muddy Run Dam	Lancaster	TSF	None
2—Muddy Run	Basin, Muddy Run Dam to the Mouth	Lancaster	WWF	None
2—Unnamed Tributaries to West Bank of Susquehanna River	Basins, Muddy Run to PA-MD State Border	York	WWF	None
2—Unnamed Tributaries to East Bank of Susquehanna River	Basins, Muddy Run to PA-MD State Border	Lancaster	HQ-CWF	None
2—Wissler Run	Basin	Lancaster	HQ-WWF	None
2—Muddy Creek				
3—North Branch Muddy Creek	Basin, Source to Confluence with South Branch	York	CWF	None
3—South Branch Muddy Creek	Basin, Source to Confluence with North Branch	York	HQ-CWF	None
2—Muddy Creek	Basin (all sections of PA), Confluence of North and South Branches to Mouth	York	TSF	None
2—Fishing Creek	Basin	Lancaster	HQ-CWF	None
2—Robinson Run	Basin	York	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Peters Creek	Basin	Lancaster	HQ-WWF	None
2—Haines Run	Basin	Lancaster	HQ-WWF	None
2—Michael Run	Basin (all sections in PA)	York	WWF	None
1—Susquehanna River (MD)				
2—Unnamed Tributaries to West Bank of Susquehanna River	Basins (all sections in PA), PA-MD State Border to Mouth	York	WWF	None
2—Unnamed Tributaries to East Bank of Susquehanna River	Basins (all sections in PA) PA-MD State Border to Mouth	Lancaster	HQ-CWF	None
2—Broad Creek	Basin (all sections in PA)	York	CWF	None
2—Conowingo Creek	Main Stem, Source to PA-MD State Border	Lancaster	CWF	None
3—Unnamed Tributaries to Conowingo Creek	Basins (all sections in PA), Source to PA-MD State Border	Lancaster	HQ-CWF	None
3—Jackson Run	Basin	Lancaster	HQ-CWF	None
3—Little Conowingo Creek	Basin	Lancaster	HQ-CWF	None
2—Conowingo Creek (MD)				
3—Unnamed Tributaries to Conowingo Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Lancaster	HQ-CWF	None
2—Octoraro Creek				
3—East Branch Octoraro Creek	Main Stem, Source to Confluence with West Branch	Lancaster	TSF; MF	None
4—Unnamed Tributaries to East Branch Octoraro Creek	Basins, Source to Confluence with West Branch	Chester-Lancaster	TSF; MF	None
4—Buck Run	Basin	Lancaster	TSF; MF	None
4—Valley Creek	Basin	Chester	TSF; MF	None
4—Knott Run	Basin	Lancaster	HQ-CWF; MF	None
4—Annan Run	Basin	Lancaster	HQ-CWF; MF	None
4—Knight Run	Basin	Chester	TSF; MF	None
4—Ball Run	Basin	Lancaster	TSF; MF	None
4—Bells Run	Basin	Lancaster	TSF; MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Muddy Run	Basin	Chester	TSF; MF	None
4—Coopers Run	Basin	Lancaster	TSF; MF	None
4—Leech Run	Basin	Chester	TSF; MF	None
3—West Branch Octoraro Creek	Basin, Source to Confluence with East Branch	Lancaster	HQ-CWF; MF	None
2—Octoraro Creek	Main Stem, Confluence of East and West Branches to PA-MD State Border	Lancaster-Chester	WWF; MF	None
3—Unnamed Tributaries to Octoraro Creek	Basins, (all sections in PA) Confluence of East and West Branches to RM 13.60	Lancaster-Chester	TSF; MF	None
3—Tweed Creek	Basin	Chester	TSF; MF	None
3—McCreary Run	Basin	Lancaster	HQ-TSF; MF	None
3—Blackburn Run	Basin	Chester	TSF; MF	None
3—Black Run	Basin, Source to Unnamed Tributary at RM 2.50	Chester	EV; MF	None
4—Unnamed Tributary to Black Run at RM 2.50	Basin	Chester	TSF; MF	None
3—Black Run	Basin, Unnamed Tributary at RM 2.50 to Mouth	Chester	TSF; MF	None
3—Hog Run	Basin	Chester	TSF; MF	None
3—Unnamed Tributary to Octoraro Creek at RM 13.60	Basin	Chester	EV; MF	None
3—Unnamed Tributaries to Octoraro Creek	Basins, RM 13.60 to PA-MD State Border	Lancaster-Chester	TSF; MF	None
3—Reynolds Run	Basin	Lancaster	HQ-CWF, MF	None
2—Octoraro Creek (MD)				
3—Unnamed Tributaries to Octoraro Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Chester	TSF; MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Stone Run	Basin (all sections in PA)	Chester	TSF; MF	None
2—Deer Creek	Basin (all sections in PA)	York	CWF	None
1—Chesapeake Bay				
2—Gunpowder Falls	Basin (all sections in PA)	York	WWF	None
2—Northeast Creek	Main Stem, Source to PA-MD State Border	Chester	WWF	None
3—Unnamed Tributaries to Northeast Creek	Basins, Source to PA-MD State Border	Chester	TSF	None
2—Northeast Creek (MD)				
3—Unnamed Tributaries to Northeast Creek	Basins, (all sections in PA), PA-MD State Border to Mouth)	Chester	TSF	None
3—Little Northeast Creek	Basin (all sections in PA)	Chester	TSF	None
2—Elk River (MD)				
3—Big Elk Creek	Basin (all sections in PA)	Chester	HQ-TSF; MF	None
3—Little Elk Creek	Main Stem, Source to PA-MD State Border	Chester	HQ-TSF; MF	None
4—Unnamed Tributaries to Little Elk Creek	Basins (all sections in PA). Source to PA-MD State Border	Chester	HQ-TSF; MF	None
4—Jordan Run	Basin	Chester	EV; MF	None
4—Barren Brook	Basin	Chester	EV; MF	None
3—Little Elk Creek (MD)				
4—Unnamed Tributaries to Little Elk Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Chester	TSF; MF	None

Authority

The provisions of this § 93.90 amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

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25 Pa.B. 3971; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247. Immediately preceding text appears at serial pages (232457) to (232458), (199401) to (199410) and (232459) to (232462).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9p. Drainage List P.

Ohio River Basin in Pennsylvania

Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River	Main Stem, Source to PA-NY State Border	McKean	CWF	<i>Add</i> Ch ₁ , MBAS ₁ and TON
3—Unnamed Tributaries to Allegheny River	Basins (all sections in PA), Source to PA-NY State Border	Potter-McKean	CWF	None
3—Woodcock Creek	Basin	Potter	HQ-CWF	None
3—Gross Hollow	Basin	Potter	CWF	None
3—Wambold Hollow	Basin	Potter	HQ-CWF	None
3—Pigeon Hollow	Basin	Potter	CWF	None
3—Toombs Hollow	Basin	Potter	CWF	None
3—Kohler Hollow	Basin	Potter	CWF	None
3—Dwight Creek	Basin	Potter	CWF	None
3—Peet Brook	Basin	Potter	CWF	None
3—Lent Hollow	Basin	Potter	CWF	None
3—Prosser Hollow	Basin	Potter	CWF	None
3—Baker Creek	Basin	Potter	CWF	None
3—Steer Run	Basin	Potter	HQ-CWF	None
3—Reese Hollow	Basin	Potter	CWF	None
3—Mill Creek	Main Stem	Potter	CWF	None
4—Unnamed Tributaries to Mill Creek	Basins	Potter	CWF	None
4—Nelson Run	Basin	Potter	CWF	None
4—Bates Hollow	Basin	Potter	CWF	None
4—Trout Run	Basin	Potter	HQ-CWF	None
4—Lyman Creek	Basin	Potter	CWF	None
4—North Hollow	Basin	Potter	CWF	None
4—South Hollow	Basin	Potter	CWF	None
3—Dingman Run	Basin	Potter	HQ-CWF	None
3—Earl Hollow	Basin	Potter	CWF	None
3—Pump Station Hollow	Basin	Potter	CWF	None
3—Elm Flat	Basin	Potter	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Gleason Hollow	Basin	Potter	CWF	None
3—Reed Run	Basin	Potter	HQ-CWF	None
3—Trout Brook	Basin	Potter	CWF	None
3—Laninger Creek	Basin	Potter	HQ-CWF	None
3—Fishing Creek	Main Stem	Potter	CWF	None
4—Unnamed Tributaries to Fishing Creek	Basins	Potter	CWF	None
4—East Branch Fishing Creek	Basin	Potter	HQ-CWF	None
3—Card Creek	Basin	Potter	CWF	None
3—Sartwell Creek	Basin	McKean	CWF	None
3—Allegheny Portage Creek	Main Stem	McKean	TSF	None
4—Unnamed Tributaries to Allegheny Portage Creek	Basins	Potter-McKean	CWF	None
4—Planing Mill Hollow	Basin	Potter	CWF	None
4—Brown Hollow	Basin	Potter	HQ-CWF	None
4—Indian Run	Basin	McKean	CWF	None
4—Heath Hollow	Basin	McKean	CWF	None
4—Fair Run	Basin	McKean	HQ-CWF	None
4—Rock Run	Basin	McKean	CWF	None
4—Scaffold Lick Run	Basin	McKean	CWF	None
4—Cady Hollow	Basin	McKean	CWF	None
4—Hamilton Run	Basin	McKean	CWF	None
4—Tramroad Hollow	Basin	McKean	CWF	None
4—Combs Creek	Basin	McKean	CWF	None
3—Lillibridge Creek	Basin	McKean	CWF	None
3—Skinner Creek	Basin	McKean	HQ-CWF	None
3—Twomile Creek	Basin	McKean	CWF	None
3—Annin Creek	Basin	McKean	CWF	None
3—Rock Run	Basin	McKean	CWF	None
3—Open Brook	Basin	McKean	CWF	None
3—Newell Creek	Basin	McKean	CWF	None
3—Potato Creek				
4—East Branch Potato Creek	Basins, Source to Confluence with Havens Run	McKean	HQ-CWF	None
4—Havens Run	Basin, Source to Confluence with East Branch	McKean	CWF	None
3—Potato Creek	Main Stem, Confluence of East Branch and Havens Run to Cole Creek	McKean	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Potato Creek	Basins, Confluence of East Branch and Havens Run to Cole Creek	McKean	CWF	None
4—Indian Run	Basin	McKean	CWF	None
4—Frog Camp Hollow	Basin	McKean	CWF	None
4—Kimball Hollow	Basin	McKean	CWF	None
4—West Branch Potato Creek	Basin	McKean	HQ-CWF	None
4—Sackett Hollow	Basin	McKean	CWF	None
4—Brewer Run	Basin	McKean	HQ-CWF	None
4—Evans Hollow	Basin	McKean	CWF	None
4—Red Mill Brook	Main Stem	McKean	CWF	None
5—Unnamed Tributaries to Red Mill Brook	Basins	McKean	CWF	None
5—Wernwag Hollow	Basin	McKean	HQ-CWF	None
5—Browns Mill Hollow	Basin	McKean	CWF	None
5—Combs Hollow	Basin	McKean	CWF	None
4—Colegrove Brook	Basin	McKean	HQ-CWF	None
4—Robbins Brook	Basin	McKean	HQ-CWF	None
4—Walcott Brook	Basin	McKean	CWF	None
4—Bayer Brook	Basin	McKean	HQ-CWF	None
4—Daly Brook	Basin	McKean	HQ-CWF	None
4—Marvin Creek	Main Stem	McKean	CWF	None
5—Unnamed Tributaries to Marvin Creek	Basins	McKean	CWF	None
5—Sherman Run	Basin	McKean	HQ-CWF	None
5—Santeen Run	Basin	McKean	HQ-CWF	None
5—Wildcat Hollow	Basin	McKean	CWF	None
5—Warner Brook	Basin	McKean	HQ-CWF	None
5—Stanton Brook	Basin	McKean	HQ-CWF	None
5—Bloomster Hollow	Basin	McKean	CWF	None
5—Blacksmith Run	Basin from Source to Smethport Water Intake	McKean	HQ-CWF	None
5—Blacksmith Run	Basin From Smethport Water Intake to Mouth	McKean	CWF	None
4—Cole Creek	Basin	McKean	CWF	None
3—Potato Creek	Main Stem, Cole Creek to Mouth	McKean	WWF	None
4—Unnamed Tributaries to Potato Creek	Basins, Cole Creek to Mouth	McKean	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Pierce Brook	Basin	McKean	CWF	None
3—Carpenter Creek	Basin	McKean	CWF	None
3—Canfield Creek	Basin	McKean	CWF	None
3—Barden Brook	Basin	McKean	CWF	None
3—Knapp Creek	Main Stem	McKean	CWF	Add Ch ₂
4—Unnamed Tributaries to Knapp Creek	Basins	McKean	CWF	None
4—Tram Hollow Run	Basin	McKean	CWF	None
4—Kansas Branch	Basin	McKean	CWF	None
4—South Branch Knapp Creek	Basin	McKean	CWF	None
3—Indian Creek (NY)				
4—Unnamed Tributaries to Indian Creek	Basins (all sections in PA), Source to PA-NY State Border	McKean	CWF	None
3—Indian Creek	Main Stem, PA-NY State Border to Mouth	McKean	CWF	Add Ch ₂
4—Unnamed Tributaries to Indian Creek	Basins (all sections in PA), PA-NY State Border to Mouth	McKean	CWF	None
4—North Branch Indian Creek	Basin (all sections in PA)	McKean	CWF	None
3—Mix Creek	Basin (all sections in PA)	McKean	CWF	None
3—McCrea Run	Basin	McKean	CWF	None
3—Tunungwant Creek	Main Stem, Confluence of East and West Branches to PA-NY State Border	McKean	WWF	Add Ch ₂
3—McCrea Run	Basin	McKean	CWF	None
2—Allegheny River (NY)				
3—Unnamed Tributaries to Allegheny River	Basins (all sections in PA), PA-NY State Border to Tunungwant Creek	McKean	CWF	None
3—Oswayo Creek	Main Stem, Source to Honeoye Creek	McKean	CWF	Add Ch ₁
4—Unnamed Tributaries to Oswayo Creek	Basins, Source to Honeoye Creek	Potter	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Tyler Holow	Basin	Potter	CWF	None
4—Brazzee Hollow	Basin	Potter	HQ-CWF	None
4—Bryant Hollow	Basin	Potter	CWF	None
4—South Branch Oswayo Creek	Basin	Potter	CWF	None
4—Topeka Creek	Basin	Potter	CWF	None
4—Clara Creek	Main Stem	Potter	CWF	None
5—Unnamed Tributaries to Clara Creek	Basins	Potter	CWF	None
5—Bradley Run	Basin	Potter	HQ-CWF	None
4—Elevenmile Creek	Basin	Potter	HQ-CWF	None
4—Canada Run	Basin	Potter	CWF	None
4—Wildcat Creek	Basin	Potter	CWF	None
4—Cow Run	Basin	Potter	HQ-CWF	None
4—Honeoye Creek (NY)				
5—Unnamed Tributaries to Honeoye Creek	Basins (all sections in PA), Source to PA-NY State Border	Potter	CWF	None
4—Honeoye Creek	Main Stem, PA-NY State Border to Mouth	Potter	CWF	<i>Add Ch₁</i>
5—Unnamed Tributaries to Honeoye Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Potter	CWF	None
5—Butter Creek	Basin	Potter	HQ-CWF	None
5—Plank Creek	Basin	Potter	CWF	None
3—Oswayo Creek	Main Stem, Honeoye Creek to PA-NY State Border	McKean	WWF	<i>Add Ch₁</i>
4—Unnamed Tributaries to Oswayo Creek	Basins (all sections in PA), Honeoye Creek to PA-NY State Border	Potter-McKean	CWF	None
4—Janders Run	Basin	McKean-Potter	HQ-CWF	None
4—Horse Run	Basin (all sections in PA)	McKean	CWF	None
4—Bell Run	Main Stem	McKean	CWF	None
5—Unnamed Tributaries to Bell Run	Basins	McKean	CWF	None
5—Shaytown Branch	Basin	Potter	CWF	None
5—Chapman Brook	Basin	McKean	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Taylor Brook	Basin	McKean	HQ-CWF	None
4—Kings Run	Basin	McKean	CWF	None
3—Oswayo Creek (NY)				
4—Unnamed Tributaries to Oswayo Creek	Basins (all sections in PA), PA-NY State Border to Mouth	McKean	CWF	None
3—Tunungwant Creek				
4—East Branch Tunungwant Creek	Basin, Source to Railroad Run	McKean	HQ-CWF	None
5—Railroad Run	Basin	McKean	EV	None
4—East Branch Tunungwant Creek	Basin, Railroad Run to T-331 Bridge	McKean	HQ-CWF	None
4—East Branch Tunungwant Creek	Basin, T-331 Bridge to Minard Run	McKean	CWF	None
5—Minard Run	Basin	McKean	EV	None
4—East Branch Tunungwant Creek	Basin, Minard Run to Confluence with West Branch	McKean	CWF	None
4—West Branch Tunungwant Creek	Basin, Source to Marilla Brook	McKean	HQ-CWF	None
5—Marilla Brook	Basin, Above Bradford Water Dam	McKean	HQ-CWF	None
5—Marilla Brook	Main Stem, Bradford Water Dam to Mouth	McKean	CWF	None
6—Unnamed Tributaries to Marilla Brook	Basins, Bradford Water Dam to Mouth	McKean	CWF	None
6—Gilbert Brook	Basin	McKean	HQ-CWF	None
4—West Branch Tunungwant Creek	Basin, Marilla Brook to Confluence with East Branch	McKean	CWF	None
3—Tunungwant Creek	Main Stem, Confluence of East and West Branches to PA-NY State Border	McKean	WWF, <i>Delete WC</i>	<i>Add Ch₂</i>

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Tunungwant Creek	Basins (all sections in PA), Confluence of East and West Branches to PA-NY State Border	McKean	CWF	None
4—Kendall Creek	Basin	McKean	WWF	None
4—Bolivar Run	Basin (all sections in PA)	McKean	CWF	None
4—Foster Brook	Basin (all sections in PA)	McKean	CWF	None
3—Tunungwant Creek (NY)				
4—Unnamed Tributaries to Tunungwant Creek	Basins (all sections in PA) PA-NY State Border to Mouth	McKean	CWF	None

Source

The provisions of this § 93.9p adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa.B. 3741; amended November 8, 1996, effective November 9, 1996, 26 Pa.B. 5370; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203676), (199415) to (199418) and (221941) to (221942).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9q. Drainage List Q.

Ohio River Basin in Pennsylvania

Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River (NY)				
3—Unnamed Tributaries to Allegheny River	Basins (all sections in PA), Tunungwant Creek to PA-NY State Border	McKean-Warren	CWF	None
3—Quaker Run (NY)				
4—Unnamed Tributaries to Quaker Run	Basins (all sections in PA)	McKean	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Willis Creek	Basin (all sections in PA)	McKean	HQ-CWF	None
4—Coon Run	Basin (all sections in PA)	McKean	HQ-CWF	None
4—Yeager Brook	Basin (all sections in PA)	McKean	HQ-CWF	None
3—Wolf Run	Basin, (all sections in PA)	McKean	HQ-CWF	None
3—State Line Run	Basin (all sections in PA)	Warren	CWF	None
2—Allegheny River	Main Stem, PA-NY State Border to Clarion River	Clarion	WWF	Add Ch ₁ , MBAS ₁ and TON
3—Unnamed Tributaries to Allegheny River	Basins, PA-NY State Border to French Creek	Venango	CWF	None
3—Willow Creek	Basin (all sections in PA)	Warren	HQ-CWF	None
3—Carr Brook	Basin	Warren	CWF	None
3—Hooks Brook	Basin	Warren	CWF	None
3—Williams Brook	Basin	Warren	CWF	None
3—Tracy Run	Basin	Warren	CWF	None
3—Cornplanter Run	Basin	Warren	HQ-CWF	None
3—Whisky Run	Basin	Warren	CWF	None
3—Johnnycake Run	Basin	Warren	CWF	None
3—Hodge Run	Basin	Warren	HQ-CWF	None
3—Sugar Run	Basin	Warren	HQ-CWF	None
3—Billies Run	Basin	Warren	CWF	None
3—Kinzua Creek	Basin, Source to Wintergreen Run	McKean	CWF	None
4—Wintergreen Run	Basin	McKean	CWF	None
3—Kinzua Creek	Main Stem, Wintergreen Run to Mouth	Warren	CWF	None
4—Unnamed Tributaries to Kinzua Creek	Basins, Wintergreen Run to Mouth	McKean-Warren	HQ-CWF	None
4—Windfall Run	Basin	McKean	HQ-CWF	None
4—Camp Run	Basin	McKean	HQ-CWF	None
4—Turnup Run	Basin	McKean	HQ-CWF	None
4—Thundershower Run	Basin	McKean	HQ-CWF	None
4—Libby Run	Basin	McKean	HQ-CWF	None
4—Whiting Run	Basin	McKean	HQ-CWF	None
4—Markham Run	Basin	McKean	HQ-CWF	None
4—Meade Run	Basin	McKean	HQ-CWF	None
4—Little Meade Run	Basin	McKean	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Root Run	Basin	McKean	HQ-CWF	None
4—South Branch Kinzua Creek	Main Stem	McKean	HQ-CWF	None
5—Unnamed Tributaries to South Branch Kinzua Creek	Basins	McKean	HQ-CWF	None
5—Glad Run	Basin	McKean	HQ-CWF	None
5—Watermill Run	Basin	McKean	HQ-CWF	None
5—Hubert Run	Basin	McKean	CWF	None
4—Mud Lick Run	Basin	McKean	HQ-CWF	None
4—Chappel Fork	Main Stem	McKean	CWF	None
5—Unnamed Tributaries to Chappel Fork	Basins	McKean	HQ-CWF	None
5—Buck Lick Run	Basin	McKean	HQ-CWF	None
5—Crary Run	Basin	McKean	HQ-CWF	None
5—White Gravel Creek	Basin	McKean	HQ-CWF	None
5—Bump Run	Basin	McKean	HQ-CWF	None
5—North Fork	Basin	McKean	HQ-CWF	None
5—Coon Run	Basin	McKean	HQ-CWF	None
5—Briggs Run	Basin	McKean	HQ-CWF	None
5—Hemlock Run	Basin	McKean	HQ-CWF	None
4—Morrison Run	Basin	McKean	HQ-CWF	None
4—Dutchman Run	Basin	McKean	HQ-CWF	None
4—Dewdrop Run	Basin	Warren	HQ-CWF	None
4—Campbell Run	Basin	Warren	HQ-CWF	None
4—Wolf Run	Basin	Warren	HQ-CWF	None
3—Jackson Run	Basin	Warren	HQ-CWF	None
3—Bent Run	Basin	Warren	HQ-CWF	None
3—Hemlock Run	Basin	Warren	HQ-CWF	None
3—Browns Run	Basin	Warren	CWF	None
3—Glade Run	Basin, Source to Concrete Channel	Warren	CWF	None
3—Glade Run	Basin, Concrete Channel to Mouth, (a distance of approximately 1,500 ft)	Warren	WWF	None
3—Ott Run	Basin	Warren	CWF	None
3—Conewango Creek (NY)				
4—Unnamed Tributaries to Conewango Creek	Basins (all sections in PA), Source to PA-NY State Border	Warren	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Stillwater Creek	Basin (all sections in PA)	Warren	CWF	None
4—Kiantone Creek	Basin (all sections in PA)	Warren	CWF	None
3—Conewango Creek	Main Stem, PA-NY State Border to Mouth	Warren	WWF	None
4—Unnamed Tributaries to Conewango Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Warren	CWF	None
4—Wiltsie Run	Basin	Warren	CWF	None
4—Storehouse Run	Basin (all sections in PA)	Warren	CWF	None
4—Johnny Run	Basin	Warren	CWF	None
4—North Branch Akeley Run	Main Stem	Warren	CWF	None
5—Unnamed Tributaries to North Branch Akeley Run	Basins	Warren	CWF	None
5—Vanarsdale Run	Basin	Warren	HQ-CWF	None
4—Akeley Run	Main Stem	Warren	CWF	None
5—Unnamed Tributaries to Akeley Run	Basins	Warren	CWF	None
5—Reynolds Run	Basin	Warren	CWF	None
5—Mill Run	Basin	Warren	HQ-CWF	None
5—Widdlefield Run	Basin	Warren	CWF	None
5—Wolcott Run	Basin	Warren	CWF	None
4—Rhine Run	Basin	Warren	CWF	None
4—Dougherty Run	Basin	Warren	CWF	None
4—Hatch Run	Basin	Warren	CWF	None
4—Jackson Run	Basin	Warren	CWF	None
3—Sill Run	Basin	Warren	CWF	None
3—Morse Run	Basin	Warren	HQ-CWF	None
3—Grunder Run	Basin	Warren	CWF	None
3—Scott Run	Basin	Warren	CWF	None
3—Brokenstraw Creek (NY)				
4—Unnamed Tributaries to Brokenstraw Creek	Basins (all sections in PA), Source to PA-NY State Border	Erie-Warren	CWF	None
3—Brokenstraw Creek	Main Stem, PA-NY State Border to Mouth	Warren	CWF	Add Ch ₁

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Brokenstraw Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Erie-Warren	CWF	None
4—Coffee Creek	Basin (all sections in PA)	Warren	CWF	None
4—Whites Run	Basin	Warren	CWF	None
4—Hare Creek	Basin, Source to Scotia Street Bridge (Corry Borough)	Warren	CWF	None
4—Hare Creek	Main Stem, Scotia Street Bridge to Mouth	Warren	WWF	None
5—Unnamed Tributaries to Hare Creek	Basins, Scotia Street Bridge to Mouth	Warren-Erie	CWF	None
4—Damon Run	Basin	Warren	CWF	None
4—Spring Creek	Basin	Warren	HQ-CWF	None
4—Gar Run	Basin	Warren	CWF	None
4—Blue Eye Run	Basin	Warren	CWF	None
4—Little Brokenstraw Creek	Basin (all sections in PA)	Warren	CWF	None
4—Andrews Run	Basin	Warren	CWF	None
4—Mead Run	Basin	Warren	CWF	None
4—Mathews Run	Basin	Warren	CWF	None
4—Indian Camp Run	Basin	Warren	CWF	None
4—McKinney Run	Basin	Warren	CWF	None
4—Irvine Run	Basin	Warren	CWF	None
3—Lenhart Run	Basin	Warren	CWF	None
3—Sulphur Run	Basin	Warren	CWF	None
3—Dunn Run	Basin	Warren	CWF	None
3—Charley Run	Basin	Warren	CWF	None
3—Hedgehog Run	Basin	Warren	HQ-CWF	None
3—Clark Run	Basin	Warren	CWF	None
3—Dry Run	Basin	Warren	CWF	None
3—Thompson Run	Basin	Warren	CWF	None
3—Slater Run	Basin	Warren	HQ-CWF	None
3—Little Run	Basin	Warren	CWF	None
3—Conklin Run	Basin	Warren	CWF	None
3—Station Run	Basin	Warren	CWF	None
3—Connelly Run	Basin	Warren	CWF	None
3—Alex Magee Run	Basin	Warren	CWF	None
3—Perry Magee Run	Basin	Warren	CWF	None
3—Waid Run	Basin	Warren	CWF	None
3—Snow Run	Basin	Warren	CWF	None
3—Bimber Run	Basin	Warren	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Potter Run	Basin	Warren	CWF	None
3—McGuire Run	Basin	Warren	CWF	None
3—Tidioute Creek	Basin, Source to Ben George Reservoir Dam	Warren	HQ-CWF	None
3—Tidioute Creek	Basin, Ben George Reservoir Dam to Mouth	Warren	CWF	None
3—Gordon Run	Basin	Warren	CWF	None
3—Myers Run	Basin	Warren	CWF	None
3—Grove Run	Basin	Warren	CWF	None
3—Dale Run	Basin	Warren	CWF	None
3—Dunn Run	Basin	Warren	CWF	None
3—Schwab Run	Basin	Forest	CWF	None
3—Jones Run	Basin	Forest	CWF	None
3—East Hickory Creek	Basin, Source to Middle Hickory Creek	Forest	EV	None
4—Middle Hickory Creek	Basin	Warren	HQ-CWF	None
3—East Hickory Creek	Basin, Middle Hickory Creek to Mouth	Forest	HQ-CWF	None
3—Siggens Run	Basin	Forest	CWF	None
3—Little Hickory Run	Basin	Forest	HQ-CWF	None
3—West Hickory Creek	Basin, Source to Martin Run	Forest	HQ-CWF	None
4—Martin Run	Basin	Forest	CWF	None
3—West Hickory Creek	Basin, Martin Run to Mouth	Forest	CWF	None
3—Dawson Run	Basin	Forest	CWF	None
3—Sibbald Run	Basin	Forest	CWF	None
3—Tubbs Run	Basin	Forest	HQ-CWF	None
3—Jamison Run	Basin	Forest	CWF	None
3—Hunter Run	Basin	Forest	CWF	None
3—Tionesta Creek				
3—West Branch Tionesta Creek	Main Stem, Source to Farnsworth Branch	Warren	HQ-CWF	None
4—Unnamed Tributaries to West Branch Tionesta Creek	Basins, Source to Farnsworth Branch	Warren	HQ-CWF	None
4—Tom Run	Basin	Warren	HQ-CWF	None
4—Jones Run	Basin	Warren	HQ-CWF	None
4—Shaw Run	Basin	Warren	HQ-CWF	None
4—Wildcat Run	Basin	Warren	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Adams Run	Basin	Warren	HQ-CWF	None
4—Elkhorn Run	Basin	Warren	HQ-CWF	None
4—Mead Run	Basin	Warren	HQ-CWF	None
4—Farnsworth Branch	Basin	Warren	HQ-CWF	None
4—West Branch Tionesta Creek	Main Stem, Farnsworth Branch to Confluence with South Branch	Forest	CWF	None
5—Unnamed Tributaries to West Branch Tionesta Creek	Basins, Farnsworth Branch to Confluence with South Branch	Warren	CWF	None
5—Pacard Run	Basin	Warren	CWF	None
5—Arnot Run	Basin	Warren	EV	None
5—Sixmile Run	Basin	Warren	HQ-CWF	None
5—Fourmile Run	Basin	Warren	HQ-CWF	None
5—Dunham Run	Basin	Warren	CWF	None
5—Twomile Run	Basin	Warren	HQ-CWF	None
5—Dodge Run	Basin	Warren	CWF	None
4—South Branch Tionesta Creek	Main Stem, Source to Confluence with West Branch	Warren	HQ-CWF	None
5—Unnamed Tributaries to South Branch Tionesta Creek	Basins	Elk-Forest-Warren	HQ-CWF	None
5—Martin Run	Basin	Elk	HQ-CWF	None
5—Coon Run	Basin	Elk	HQ-CWF	None
5—Crane Run	Basin	Elk	EV	None
5—Iron Run	Basin	Forest	HQ-CWF	None
5—Fork Run	Basin	Forest	HQ-CWF	None
5—Bogus Run	Basin	Forest	HQ-CWF	None
5—Rock Run	Basin	Forest	HQ-CWF	None
5—Cherry Run	Basin	Forest	HQ-CWF	None
5—East Branch Tionesta Creek	Basin	Forest	HQ-CWF	None
3—Tionesta Creek	Main Stem, Confluence of West and South Branches to Mouth	Forest	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Tionesta Creek	Basins, Confluence of West and South Branches to Mouth	Warren-Forest	CWF	None
4—Rock Run	Basin	Warren	CWF	None
4—Duck Eddy Run	Basin	Warren	CWF	None
4—Pell Run	Basin	Warren	CWF	None
4—Mead Run	Basin	Warren	CWF	None
4—Thad Shanty Run	Basin	Forest	CWF	None
4—Bluejay Creek	Basin	Forest	HQ-CWF	None
4—Rocky Run	Basin	Forest	CWF	None
4—Bush Creek	Basin	Forest	CWF	None
4—Martin Run	Basin	Forest	CWF	None
4—Hastings Run	Basin	Forest	CWF	None
4—Reagan Run	Basin	Forest	CWF	None
4—Upper Sheriff Run	Basin	Forest	HQ-CWF	None
4—Lower Sheriff Run	Basin	Forest	HQ-CWF	None
4—Fools Creek	Basin	Forest	HQ-CWF	None
4—Wildcat Run	Basin	Forest	CWF	None
4—Minister Run	Basin	Forest	HQ-CWF	None
4—Porcupine Run	Basin	Forest	CWF	None
4—Blood Run	Basin	Forest	HQ-CWF	None
4—Logan Run	Basin	Forest	CWF	None
4—Phelps Run	Basin	Forest	CWF	None
4—Kingsley Run	Basin	Forest	CWF	None
4—Bobbs Creek	Basin	Forest	HQ-CWF	None
4—Little Minister Run	Basin	Forest	CWF	None
4—Fork Run	Basin	Forest	HQ-CWF	None
4—Salmon Creek	Main Stem	Forest	HQ-CWF	None
5—Unnamed Tributaries to Salmon Creek	Basins	Forest	HQ-CWF	None
5—Little Salmon Creek	Basin	Forest	HQ-CWF	None
5—Guiton Run	Basin	Forest	HQ-CWF	None
5—Fourmile Run	Basin	Forest	EV	None
5—Twomile Run	Basin	Forest	HQ-CWF	None
5—The Branch	Basin	Forest	HQ-CWF	None
4—Church Run	Basin	Forest	CWF	None
4—Carpenter Run	Basin	Forest	CWF	None
4—Lamentation Run	Basin	Forest	CWF	None
4—Bear Creek	Basin	Forest	HQ-CWF	None
4—Ross Run	Basin	Forest	HQ-CWF	None
4—Jakes Run	Basin	Forest	CWF	None
4—Jug Handle Run	Basin	Forest	CWF	None
4—Little Coon Creek	Basin	Forest	HQ-CWF	None
4—Coon Creek	Basin	Forest	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Piney Run	Basin	Forest	CWF	None
4—Sugar Run	Basin	Forest	CWF	None
4—Little Piney Run	Basin	Forest	CWF	None
4—Glasner Run	Basin	Forest	CWF	None
4—Johns Run	Basin	Forest	CWF	None
4—Peters Run	Basin	Forest	CWF	None
3—Little Tionesta Creek	Basin	Forest	CWF	None
3—Bates Run	Basin	Forest	CWF	None
3—Indian Camp Creek	Basin	Forest	CWF	None
3—Holeman Run	Basin	Venango	CWF	None
3—Stewart Run	Basin	Venango	CWF	None
3—Fox Run	Basin	Venango	CWF	None
3—Johnston Run	Basin	Venango	CWF	None
3—Hemlock Creek	Basin	Venango	EV	None
3—McCrea Run	Basin	Venango	CWF	None
3—Culver Run	Basin	Venango	CWF	None
3—Muskrat Run	Basin	Venango	CWF	None
3—Pithole Creek	Basin	Venango	CWF	None
3—Panther Run	Basin	Venango	CWF	None
3—Lamb Run	Basin	Venango	CWF	None
3—Horse Creek	Basin	Venango	CWF	None
3—Carney Run	Basin	Venango	CWF	None
3—Sage Run	Basin	Venango	CWF	None
3—Oil Creek	Main Stem, Source to Cherrytree Run	Venango	CWF	Add TON
4—Unnamed Tributaries to Oil Creek	Basins, Source to Cherrytree Run	Crawford- Venango	CWF	Add TON
4—West Shreve Run	Basin	Crawford	CWF	Add TON
4—East Shreve Run	Basin	Crawford	CWF	Add TON
4—Mosey Run	Basin	Crawford	CWF	Add TON
4—Bloomfield Run	Basin	Crawford	CWF	Add TON
4—East Branch Oil Creek	Basin	Crawford	CWF	Add TON
4—Marsh Run	Basin	Crawford	CWF	Add TON
4—Thompson Creek	Basin, Source to Shirley Run	Crawford	CWF	Add TON
5—Shirley Run	Basin	Crawford	HQ-CWF	Add TON
4—Thompson Creek	Basin, Shirley Run to Mouth	Crawford	CWF	Add TON
4—Church Run	Basin	Crawford	CWF	Add TON
4—Pine Creek	Main Stem	Crawford	CWF	Add TON
5—Unnamed Tribu- taries to Pine Creek	Basins	Warren- Crawford	CWF	Add TON
5—Campbell Creek	Basin	Warren	CWF	Add TON
5—Dunham Run	Basin	Warren	CWF	Add TON
5—Caldwell Creek	Basin	Crawford	HQ-CWF	Add TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Henderson Run	Basin	Crawford	CWF	<i>Add</i> TON
4—Benninghof Run	Basin	Venango	CWF	<i>Add</i> TON
4—Cherrytree Run	Basin	Venango	CWF	<i>Add</i> TON
3—Oil Creek	Main Stem, Cherrytree Run to Mouth	Venango	WWF	<i>Add</i> TON
4—Unnamed Tributaries to Oil Creek	Basins, Cherrytree Run to Mouth	Venango	CWF	<i>Add</i> TON
4—Cherry Run	Basin, Source to Rouseville Corporate Boundary	Venango	HQ-CWF	<i>Add</i> TON
4—Cherry Run	Basin, Rouseville Corporate Boundary to Mouth	Venango	CWF	<i>Add</i> TON
4—Cornplanter Run	Basin	Venango	CWF	<i>Add</i> TON
3—Holiday Run	Basin	Venango	CWF	None
3—Charley Run	Basin	Venango	CWF	None
3—Brannon Run	Basin	Venango	CWF	None
3—Seneca Run	Basin	Venango	CWF	None
3—Twomile Run	Basin	Venango	CWF	None
3—French Creek (NY)				
4—Unnamed Tributaries to French Creek	Basins (all sections in PA), Source to PA-NY State Border	Erie	WWF	None
4—Cutting Brook	Basin (all sections in PA)	Erie	WWF	None
4—Herrick Creek	Basin (all sections in PA)	Erie	WWF	None
3—French Creek	Main Stem, PA-NY State Border to Mouth	Venango	WWF	<i>Add</i> MBAS, and TON
4—Unnamed Tributaries to French Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Erie-Crawford- Venango	WWF	None
4—Hubble Run	Basin (including the Wattsburg Fen), Source to the 1350 ft Contour Line (Union City 7 1/2 Quadrangle)	Erie	HQ-WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Hubble Run	Basin, 1350 ft. Contour Line to Mouth	Erie	WWF	None
4—West Branch French Creek (NY)				
5—Unnamed Tributaries to West Branch French Creek	Basins (all sections in PA), Source to PA-NY State Border	Erie	WWF	None
4—West Branch French Creek	Main Stem, PA-NY State Border to Mouth	Erie	WWF	None
5—Unnamed Tributaries to West Branch French Creek	Basins (all sections in PA), PA-NY State Border to Mouth	Erie	WWF	None
5—Darrow Brook	Basin (all sections in PA)	Erie	WWF	None
5—Townley Run	Basin	Erie	WWF	None
5—Alder Brook	Basin	Erie	WWF	None
5—Bailey Brook	Basin	Erie	WWF	None
4—Lake Pleasant Outlet	Basin	Erie	HQ-CWF	None
4—Alder Run	Basin	Erie	CWF	None
4—South Branch French Creek	Basin, Source to Beaver Run	Erie	CWF	None
5—Beaver Run	Basin	Erie	EV	None
4—South Branch French Creek	Basin, Beaver Run to Mouth	Erie	CWF	None
4—Wheeler Creek	Basin	Erie	WWF	None
4—LeBoeuf Creek	Basin, Source to Trout Run	Erie	TSF	None
5—Trout Run	Basin	Erie	CWF	None
4—LeBoeuf Creek	Basin, Trout Run to Mouth	Erie	TSF	None
4—Campbell Run	Basin	Crawford	TSF	None
4—Kelly Run	Basin	Crawford	HQ-CWF	None
4—Muddy Creek	Basin, Source to East Branch Muddy Creek	Crawford	HQ-CWF	None
5—East Branch Muddy Creek	Basin	Crawford	HQ-CWF	None
4—Muddy Creek	Main Stem, East Branch Muddy Creek to Mackey Run	Crawford	HQ-TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Unnamed Tributaries to Muddy Creek	Basins, East Branch Muddy Creek to Mackey Run	Crawford	HQ-CWF	None
5—Federal Run	Basin	Crawford	HQ-CWF	None
5—Mackey Run	Basin	Crawford	HQ-CWF	None
4—Muddy Creek	Basin, Mackey Run to Mouth	Crawford	HQ-TSF	None
4—Mohawk Run	Basin	Crawford	WWF	None
4—Conneauttee Creek	Basins, Source to Outlet of Edinboro Lake	Erie	WWF	None
4—Conneauttee Creek	Main Stem, Outlet of Edinboro Lake to Erie-Crawford County Border	Erie-Crawford	TSF	None
5—Unnamed Tributaries to Conneauttee Creek	Basins, Outlet of Edinboro Lake to Erie-Crawford County Border	Erie	WWF	None
5—Darrows Creek	Basin	Crawford	WWF	None
4—Conneauttee Creek	Main Stem, Erie-Crawford County Border to Mouth	Crawford	WWF	None
5—Unnamed Tributaries to Conneauttee Creek	Basins, Erie-Crawford County Border to Mouth	Crawford	WWF	None
5—Torry Run	Basin	Crawford	WWF	None
5—Little Conneauttee Creek	Basin	Crawford	CWF	None
4—Boles Run	Basin	Crawford	WWF	None
4—Gravel Run	Basin	Crawford	WWF	None
4—Wolf Run	Basin	Crawford	WWF	None
4—Woodcock Creek	Basin, Source to Woodcock Creek Reservoir Dam	Crawford	HQ-CWF	None
4—Woodcock Creek	Basin, Woodcock Reservoir Dam to Mouth	Crawford	CWF	None
4—Cussewago Creek	Basin	Crawford	WWF	None
4—Van Horne Creek	Basin	Crawford	WWF	None
4—Conneaut Outlet	Basin, Source to Conneaut Lake Dam	Crawford	HQ-WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Conneaut Outlet	Basin, Conneaut Lake Dam to Mouth	Crawford	WWF	None
4—Little Sugar Creek	Basin	Crawford	CWF	None
4—Foulk Run	Basin	Mercer	WWF	None
4—Powdermill Run	Basin	Mercer	WWF	None
4—North Deer Creek	Basin	Mercer	WWF	None
4—McCune Run	Basin	Venango	CWF	None
4—Mill Creek	Basin	Venango	CWF	None
4—Sugar Creek	Basin	Venango	CWF	None
4—Patchel Run	Basin	Venango	WWF	None
3—Unnamed Tributaries to Allegheny River	Basins, French Creek to RM 106.70	Venango	WWF	None
3—Lower Twomile Run	Basin	Venango	CWF	None
3—Siefer Run	Basin	Venango	WWF	None
3—Ajax Run	Basin	Venango	WWF	None
3—East Sandy Creek	Basin	Venango	CWF	None
3—Snyder Run	Basin	Venango	CWF	None
3—Sandy Creek	Main Stem	Venango	WWF	None
4—Unnamed Tributaries to Sandy Creek	Basins	Crawford-Mercer-Venango	WWF	None
4—Black Run	Basin	Mercer	WWF	None
4—Mill Run	Basin	Mercer	WWF	None
4—Schofield Run	Basin	Mercer	WWF	None
4—Dugan Run	Basin	Mercer	WWF	None
4—Sawmill Run	Basin	Mercer	WWF	None
4—McCutcheon Run	Basin	Mercer	WWF	None
4—Butchery Creek	Basin	Mercer	WWF	None
4—McConnell Run	Basin	Mercer	WWF	None
4—Sulphur Run	Basin	Venango	WWF	None
4—Little Sandy Creek	Basin, Source to Unnamed Tributary at RM 1.16	Venango	HQ-CWF	None
5—Unnamed Tributary to Little Sandy Creek at RM 1.16	Basin	Venango	CWF	None
4—Little Sandy Creek	Basin, Unnamed Tributary at RM 1.16 to Mouth	Venango	CWF	None
4—South Sandy Creek	Basin	Venango	CWF	None
4—Morrison Run	Basin	Venango	WWF	None
4—Victory Run	Basin	Venango	WWF	None
4—Ditzenberger Run	Basin	Venango	WWF	None
3—Clark Run	Basin	Venango	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Pine Hill Run	Basin	Venango	CWF	None
3—Dennison Run	Basin	Venango	EV	None
3—Scrubgrass Creek	Basin	Venango	CWF	None
3—Unnamed Tributary to Allegheny River at RM 106.70	Basin	Venango	CWF	None
3—Unnamed Tributaries to Allegheny River	Basins, RM 106.70 to Clarion River	Venango-Clarion	WWF	None
3—Roberts Run	Basin	Venango	CWF	None
3—Falling Spring Run	Basin	Venango	WWF	None
3—Whitherup Run	Basin	Venango	CWF	None
3—Perry Run	Basin	Venango	WWF	None
3—Whann Run	Basin	Venango	WWF	None
3—Little Scrubgrass Creek	Basin	Venango	CWF	None
3—Shull Run	Basin	Venango	CWF	None
3—Mill Creek	Basin	Venango	CWF	None
3—Richey Run	Basin	Clarion-Venango	CWF	None
3—Lowrey Run	Basin	Butler	WWF	None
3—Fowler Run	Basin	Armstrong	WWF	None

Authority

The provisions of this § 93.9q amended under sections 5(b)(1) and 402 of The Clean Streams Law (35 P. S. §§ 691.5(b)(1) and 691.402); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20).

Source

The provisions of this § 93.9q adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa.B. 3741; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended September 22, 1995, effective September 23, 1995, 25 Pa.B. 3971; amended November 3, 1995, effective September 23, 1995, 25 Pa.B. 4700; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050; amended October 10, 1997, effective October 11, 1997, 27 Pa.B. 5247. Immediately preceding text appears at serial pages (232468) to (232475).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9r. Drainage List R.

Ohio River Basin in Pennsylvania
Clarion River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River				
3—Clarion River				
4—East Branch Clarion River	Basin, Source to Confluence with West Branch	Elk	HQ-CWF	<i>Add</i> TON
4—West Branch Clarion River	Main Stem, Source to Confluence with East Branch	Elk	CWF	<i>Add</i> TON
5—Unnamed Tributaries to West Branch Clarion River	Basins, Source to Confluence with East Branch	McKean-Elk	CWF	<i>Add</i> TON
5—Windfall Run	Basin	McKean	CWF	<i>Add</i> TON
5—Sicity Run	Basin	McKean	CWF	<i>Add</i> TON
5—Buck Run	Basin	McKean	CWF	<i>Add</i> TON
5—Rocky Run	Basin	Elk	CWF	<i>Add</i> TON
5—Nearing Run	Basin	Elk	CWF	<i>Add</i> TON
5—Wilson Run	Basin	Elk	CWF	<i>Add</i> TON
5—Oil Creek	Basin	Elk	CWF	<i>Add</i> TON
5—Wolf Run	Basin	Elk	HQ-CWF	<i>Add</i> TON
5—Meffert Creek	Basin	Elk	CWF	<i>Add</i> TON
5—Silver Creek	Basin	Elk	HQ-CWF	<i>Add</i> TON
3—Clarion River	Main Stem, Confluence of East and West Branches to Mouth	Clarion	CWF	<i>Add</i> TON
4—Unnamed Tributaries to Clarion River	Basins, Confluence of East and West Branches to Mouth	Elk-Forest-Jefferson-Clarion	CWF	<i>Add</i> TON
4—Johnson Run	Basin	Elk	CWF	<i>Add</i> TON
4—Powers Run	Basin	Elk	CWF	<i>Add</i> TON
4—Riley Run	Basin	Elk	WWF	<i>Add</i> TON
4—Little Mill Creek	Basin	Elk	HQ-CWF	<i>Add</i> TON
4—Mason Creek	Basin	Elk	CWF	<i>Add</i> TON
4—Elk Creek	Basin	Elk	CWF	<i>Add</i> TON
4—Island Run	Basin	Elk	CWF	<i>Add</i> TON
4—Big Mill Creek	Basin	Elk	HQ-CWF	<i>Add</i> TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Connerville Run	Basin	Elk	CWF	<i>Add</i> TON
4—Dog Hollow Run	Basin	Elk	CWF	<i>Add</i> TON
4—Gillis Run	Basin	Elk	CWF	<i>Add</i> TON
4—Little Toby Creek	Main Stem	Elk	CWF	<i>Add</i> TON
5—Unnamed Tributaries to Little Toby Creek	Basins	Elk-Jefferson	CWF	<i>Add</i> TON
5—Limestone Run	Basin	Elk	CWF	<i>Add</i> TON
5—Kylar Run	Basin	Elk	CWF	<i>Add</i> TON
5—McCauley Run	Basin	Elk	CWF	<i>Add</i> TON
5—Sawmill Run	Main Stem	Elk	CWF	<i>Add</i> TON
6—Unnamed Tributaries to Sawmill Run	Basins	Elk	CWF	<i>Add</i> TON
6—Lost Run	Basin, Source to Fox Township Municipal Authority Dam	Elk	HQ-CWF	<i>Add</i> TON
6—Lost Run	Basin, Fox Township Municipal Authority Dam to Mouth	Elk	CWF	<i>Add</i> TON
5—Brandy Camp Creek	Basin	Elk	CWF	<i>Add</i> TON
5—Johnson Run	Basin	Elk	CWF	<i>Add</i> TON
5—Bear Run	Basin	Elk	CWF	<i>Add</i> TON
5—Oyster Run	Basin	Elk	CWF	<i>Add</i> TON
5—Mead Run	Basin	Elk	CWF	<i>Add</i> TON
5—Boggy Run	Basin	Elk	HQ-CWF	<i>Add</i> TON
5—Whetstone Branch	Basin, Source to Brockway Municipal Authority No. 1 Dam	Elk	HQ-CWF	<i>Add</i> TON
5—Whetstone Branch	Basin, Brockway Municipal Authority No. 1 Dam to Mouth	Elk	CWF	<i>Add</i> TON
5—Walburn Run	Basin	Jefferson	CWF	<i>Add</i> TON
5—Rattlesnake Creek	Basin, Source to Brockway Municipal Authority Dam	Jefferson	HQ-CWF	<i>Add</i> TON
5—Rattlesnake Creek	Basin, Brockway Municipal Authority Dam to Mouth	Jefferson	CWF	<i>Add</i> TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Baghdad Run	Basin	Jefferson	CWF	Add TON
5—Jenkins Run	Basin	Jefferson	CWF	Add TON
5—Little Vineyard Run	Basin	Jefferson	CWF	Add TON
5—Vineyard Run	Basin	Jefferson	CWF	Add TON
5—Coward Run	Basin	Elk	CWF	Add TON
5—Laurel Run	Basin	Elk	CWF	Add TON
5—Bearmouth Run	Basin	Elk	CWF	Add TON
4—Bear Creek	Basin	Elk	HQ-CWF	Add TON
4—Mahood Run	Basin	Elk	CWF	Add TON
4—Beech Bottom Run	Basin	Elk	CWF	Add TON
4—Lake City Run	Basin	Elk	CWF	Add TON
4—Cole Run	Main Stem	Elk	CWF	Add TON
5—Unnamed	Basins	Elk	CWF	Add TON
Tributaries to Cole Run				
5—Crow Run	Basin	Elk	HQ-CWF	Add TON
4—Irwin Run	Basin	Elk	CWF	Add TON
4—Spring Creek	Basin	Elk	HQ-CWF	Add TON
4—Maxwell Run	Basin	Elk	HQ-CWF	Add TON
4—Elliott Run	Basin	Elk	CWF	Add TON
4—Daugherty Run	Basin	Jefferson	CWF	Add TON
4—Raught Run	Basin	Elk	CWF	Add TON
4—Painter Run	Basin	Elk	CWF	Add TON
4—Church Run	Basin	Elk	CWF	Add TON
4—Callen Run	Basin	Jefferson	HQ-CWF	Add TON
4—Cline Run	Basin	Elk	CWF	Add TON
4—Wyncoop Run	Basin	Elk	HQ-CWF	Add TON
4—Leeper Run	Basin	Elk	CWF	Add TON
4—Pine Run	Basin	Elk	CWF	Add TON
4—Mill Stone Creek	Basin	Elk	HQ-CWF	Add TON
4—Shippen Run	Basin	Forest	CWF	Add TON
4—Clear Creek	Basin	Jefferson	HQ-CWF	Add TON
4—Tadler Run	Basin	Jefferson	CWF	Add TON
4—Cherry Run	Basin	Forest	HQ-CWF	Add TON
4—Maple Creek	Basin	Forest	HQ-CWF	Add TON
4—Coleman Run	Basin	Forest	HQ-CWF	Add TON
4—Troutman Run	Basin	Forest	HQ-CWF	Add TON
4—Henry Run	Basin	Forest	CWF	Add TON
4—Toms Run	Basin	Forest	CWF	Add TON
4—Cather Run	Basin	Clarion	HQ-CWF	Add TON
4—Maxwell Run	Basin	Clarion	HQ-CWF	Add TON
4—Blyson Run	Basin	Clarion	EV	None
4—Mill Creek	Main Stem, Source to Little Mill Creek	Clarion	HQ-CWF	Add TON

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Unnamed Tributaries to Mill Creek	Basins, Source to Little Mill Creek	Clarion-Jefferson	HQ-CWF	<i>Add</i> TON
4—Mill Creek				
5—Parks Run	Basin	Jefferson	HQ-CWF	<i>Add</i> TON
5—Martin Run	Basin	Jefferson	HQ-CWF	<i>Add</i> TON
5—Rankin Run	Basin	Jefferson	HQ-CWF	<i>Add</i> TON
5—Updike Run	Basin	Jefferson	HQ-CWF	<i>Add</i> TON
5—McCanna Run (Pendleton Run)	Basin	Clarion	EV	None
5—Little Mill Creek	Basin	Clarion	CWF	<i>Add</i> TON
4—Mill Creek	Main Stem, Little Mill Creek to Mouth	Clarion	CWF	<i>Add</i> TON
5—Unnamed Tributaries to Mill Creek	Basins, Little Mill Creek to Mouth	Clarion	HQ-CWF	<i>Add</i> ON
5—Douglass Run	Basin	Clarion	CWF	<i>Add</i> TON
5—Woods Run	Basin	Clarion	HQ-CWF	<i>Add</i> TON
5—Stroup Run	Basin	Clarion	HQ-CWF	<i>Add</i> TON
5—Trap Run	Basin	Clarion	HQ-CWF	<i>Add</i> TON
5—Whites Run	Basin	Clarion	CWF	<i>Add</i> TON
4—Reeds Run	Basin	Clarion	CWF	<i>Add</i> TON
4—Toby Creek	Basin	Clarion	CWF	<i>Add</i> TON
4—Trout Run	Basin	Clarion	CWF	<i>Add</i> TON
4—Courtleys Run	Basin	Clarion	CWF	<i>Add</i> TON
4—Piney Creek	Basin	Clarion	CWF	<i>Add</i> TON
4—Deer Creek	Basin	Clarion	CWF	<i>Add</i> TON
4—Canoe Creek	Basin	Clarion	HQ-CWF	<i>Add</i> TON
4—Beaver Creek	Basin	Clarion	HQ-CWF	<i>Add</i> TON
4—Licking Creek	Basin	Clarion	CWF	<i>Add</i> TON
4—Turkey Creek	Basin	Clarion	HQ-CWF	<i>Add</i> TON

Source

The provisions of this § 93.9r adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203688) to (203689).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9s. Drainage List S.

Ohio River Basin in Pennsylvania
Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River	Main Stem, Clarion River to Kiskiminetas River	Armstrong	WWF; <i>Add</i> N	None
3—Unnamed Tributaries to Allegheny River	Basins, Clarion River to Kiskiminetas River	Armstrong	WWF	None
3—Bear Creek	Main Stem	Armstrong	CWF	None
4—Unnamed Tributaries to Bear Creek	Basin	Butler- Armstrong	CWF	None
4—Rays Run	Basins	Butler	CWF	None
4—Silver Creek	Basin, Source to LR 19079 (SR 1004) Bridge at Walley Mill	Butler	EV	None
4—Silver Creek	Basin LR 10079 Bridge at Walley Mill to Mouth	Butler	HQ-CWF	None
4—South Branch Bear Creek	Basin	Butler	WWF	None
4—North Branch Bear Creek	Basin	Butler	CWF	None
3—Dunlap Creek	Basin	Clarion	WWF	None
3—Black Fox Run	Basin	Clarion	WWF	None
3—Birch Run	Basin	Armstrong	WWF	None
3—Armstrong Run	Basin	Armstrong	WWF	None
3—Catfish Run	Basin	Clarion	WWF	None
3—Sugar Creek	Basin	Armstrong	WWF	None
3—Snyders Run	Basin	Armstrong	CWF	None
3—Huling Run	Basin	Armstrong	TSF	None
3—Redbank Creek				
4—Sandy Lick Creek	Main Stem, Source to Confluence with North Fork	Jefferson	TSF	None
5—Unnamed Tributaries to Sandy Lick Creek	Basins, Source to Confluence with North Fork	Clearfield- Jefferson	CWF	None
5—Coal Run	Basin	Clearfield	CWF	None
5—Muddy Run	Basin	Clearfield	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Narrows Creek	Basin	Clearfield	CWF	None
5—Gravel Lick Run	Basin	Clearfield	CWF	None
5—Laborde Branch	Basin	Clearfield	CWF	None
5—Reisinger Run	Basin	Clearfield	CWF	None
5—Pent Run	Basin	Clearfield	CWF	None
5—Beaver Run	Basin	Clearfield	CWF	None
5—Juniata Run	Basin	Clearfield	CWF	None
5—Clear Run	Basin	Clearfield	CWF	None
5—Slab Run	Basin	Clearfield	CWF	None
5—Wolf Run	Main Stem	Clearfield	CWF	None
6—Unnamed Tributaries to Wolf Run	Basins	Clearfield-Jefferson	CWF	None
6—Falls Creek	Basin	Jefferson	HQ-CWF	None
5—Panther Run	Basin	Jefferson	CWF	None
5—Pitchpine Run	Basin	Jefferson	CWF	None
5—Soldier Run	Basin	Jefferson	CWF	None
5—Trout Run	Basin	Jefferson	CWF	None
5—Schoolhouse Run	Basin	Jefferson	HQ-CWF	None
5—O'Donnell Run	Basin	Jefferson	CWF	None
5—Camp Run	Basin	Jefferson	CWF	None
5—Fuller Run	Basin	Jefferson	CWF	None
5—Cable Run	Basin	Jefferson	CWF	None
5—Mill Creek	Main Stem	Jefferson	CWF	None
6—Unnamed Tributaries to Mill Creek	Basins	Jefferson	CWF	None
6—Horm Run	Basin	Jefferson	CWF	None
6—Fivemile Run	Basin	Jefferson	CWF	None
6—Little Mill Creek	Basin	Jefferson	HQ-CWF	None
5—Fivemile Run	Basin	Jefferson	CWF	None
4—North Fork	Main Stem, Source to Confluence with Sandy Lick Creek	Jefferson	HQ-CWF	None
5—Unnamed Tributaries to North Fork	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	Basin	Jefferson	EV	None
5—Acy Run	Basin	Jefferson	HQ-CWF	None
5—Windfall Run	Basin	Jefferson	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Clear Run	Basin	Jefferson	HQ-CWF	None
5—Miller Run	Basin	Jefferson	HQ-CWF	None
5—Shippen Run	Basin	Jefferson	EV	None
5—Craft Run	Basin	Jefferson	EV	None
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
3—Redbank Creek	Main Stem, Confluence of Sandy Lick Creek and North Fork to Mouth	Armstrong	TSF	None
4—Unnamed Tributaries to Redbank Creek	Basins, Confluence of Sandy Lick Creek and North Fork to Mouth	Jefferson- Clarion- Armstrong	CWF	None
4—Coder Run	Basin	Jefferson	CWF	None
4—Rattlesnake Run	Basin	Jefferson	CWF	None
4—Simpson Run	Basin	Jefferson	CWF	None
4—Welch Run	Basin	Jefferson	CWF	None
4—Runaway Run	Basin	Jefferson	CWF	None
4—Carrier Run	Basin	Jefferson	CWF	None
4—Beaver Run	Basin, Source to PA 36 Bridge	Jefferson	HQ-CWF	None
4—Beaver Run	Basin, PA 36 Bridge to Mouth	Jefferson	CWF	None
4—Tarkiln Run	Basin	Jefferson	CWF	None
4—Patton Run	Basin	Jefferson	CWF	None
4—Little Sandy Creek	Basin	Armstrong	CWF	None
4—Pine Creek	Basin	Clarion	CWF	None
4—Town Run	Basin	Clarion	CWF	None
4—Middle Run	Basin	Clarion	CWF	None
4—Leisure Run	Basin	Clarion	CWF	None
4—Long Run	Basin	Clarion	CWF	None
4—Leatherwood Creek	Basin	Clarion	CWF	None
4—Middle Run	Basin	Clarion	CWF	None
4—Rock Run	Basin	Clarion	CWF	None
4—Wildcat Run	Basin	Clarion	CWF	None
3—Mast Run	Basin	Clarion	CWF	None
3—Mahoning Creek				
4—East Branch Mahoning Creek	Basin, Source to Clover Run	Jefferson	HQ-CWF	None
5—Clover Run	Basin	Jefferson	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—East Branch Mahoning Creek	Basin, Clover Run to Confluence with Stump Creek	Jefferson	CWF	None
4—Stump Creek	Main Stem, Source to Confluence with East Branch Mahoning Creek	Jefferson	CWF	None
5—Unnamed Tributaries to Stump Creek	Basins, Source to Confluence with East Branch Mahoning	Clearfield-Jefferson	CWF	None
5—Limestone Run	Basin	Clearfield-	CWF	None
5—Sugarcamp Run	Basin, Source to the Helvetia Portal of the R&P Coal Company Mine (Cert. # 196)	Jefferson	HQ-CWF	None
5—Sugarcamp Run	Basin, Helvetia Portal of the R&P Coal Company Mine to Mouth	Jefferson	CWF	None
5—Poose Run	Basin	Jefferson	CWF	None
3—Mahoning Creek	Main Stem, Confluence of East Branch Mahoning Creek and Stump Creek to Mouth	Jefferson	WWF	None
4—Unnamed Tributaries to Mahoning Creek	Basins, Confluence to East Branch Mahoning Creek and Stump Creek to Mouth	Jefferson-Indiana-Armstrong	CWF	None
4—Big Run	Basin	Jefferson	CWF	None
4—Rock Run	Basin	Jefferson	CWF	None
4—Canoe Creek	Basin	Jefferson	CWF	None
4—Elk Run	Basin	Jefferson	CWF	None
4—Sawmill Run	Basin	Jefferson	CWF	None
4—Rose Run	Basin	Jefferson	CWF	None
4—Nicely Run	Basin	Jefferson	CWF	None
4—Dutch Run	Basin	Jefferson	CWF	None
4—Perryville Run	Basin	Jefferson	CWF	None
4—Foundry Run	Basin	Jefferson	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Steer Run	Basin	Indiana	CWF	None
4—Carr Run	Basin	Indiana	CWF	None
4—Hamilton Run	Basin	Indiana	CWF	None
4—Sugarcamp Run	Basin	Indiana	CWF	None
4—Little Mahoning Creek	Basin	Indiana	HQ-CWF	None
4—Foundry Run	Basin	Armstrong	CWF	None
4—Glade Run	Basin	Armstrong	CWF	None
4—Camp Run	Basin	Armstrong	CWF	None
4—Pine Run	Basin	Armstrong	CWF	None
4—Little Mudlick Creek	Basin	Armstrong	CWF	None
4—Cathcart Run	Basin	Armstrong	CWF	None
4—Scrubgrass Creek	Basin	Armstrong	CWF	None
3—Pine Creek	Basin	Armstrong	HQ-CWF	None
3—Hays Run	Basin	Armstrong	WWF	None
3—Limestone Run	Basin	Armstrong	WWF	None
3—Cowanshannock Creek	Basin, Source to Huskins Run	Armstrong	WWF	None
4—Huskins Run	Basin	Armstrong	WWF	None
3—Cowanshannock Creek	Main Stem, Huskins Run to Mouth	Armstrong	TSF	None
4—Unnamed Tributaries to Cowanshannock Creek	Basins, Huskins Run to Mouth	Armstrong	WWF	None
3—Garretts Run	Basin	Armstrong	WWF	None
3—Tub Mill Run	Basin	Armstrong	WWF	None
3—Crooked Creek	Main Stem	Armstrong	WWF	None
4—Unnamed Tributaries to Crooked Creek	Basins, Source to Plum Creek	Indiana	CWF	None
4—Rayne Run	Basin	Indiana	CWF	None
4—Brush Run	Basin	Indiana	CWF	None
4—Pine Run	Basin	Indiana	CWF	None
4—Twomile Run	Basin	Indiana	CWF	None
4—McKee Run	Basin	Indiana	CWF	None
4—Fulton Run	Basin	Indiana	CWF	None
4—Dark Hollow Run	Basin	Indiana	CWF	None
4—Mitchell Run	Basin	Indiana	CWF	None
4—Curry Run	Basin	Indiana	CWF	None
4—Anthony Run	Basin	Indiana	CWF	None
4—Walker Run	Basin	Indiana	CWF	None
4—Plum Creek				
5—South Branch Plum Creek	Basin, Source to Reddings Run	Indiana	HQ-CWF	None
6—Reddings Run	Basin	Indiana	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—South Branch Plum Creek	Basin, Source to Reddings Run to Confluence with North Branch	Armstrong	CWF	None
5—North Branch Plum Creek	Basin, Source to Confluence with South Branch	Armstrong	CWF	None
4—Plum Creek	Main Stem, Confluence of South and North Branches to Mouth	Armstrong	TSF	None
5—Unnamed Tributaries to Plum Creek	Basins, Confluence of South and North Branches to Mouth	Indiana-Armstrong	CWF	None
5—Cessna Run	Basin	Armstrong	CWF	None
5—Dutch Run	Basin	Armstrong	CWF	None
4—Unnamed Tributaries to Crooked Creek	Basins, Plum Creek to Mouth	Armstrong	WWF	None
4—Gobblers Run	Basin	Armstrong	WWF	None
4—Craig Run	Basin	Armstrong	WWF	None
4—Lindsay Run	Basin	Armstrong	WWF	None
4—Sugar Run	Basin	Armstrong	WWF	None
4—Fagley Run	Basin	Armstrong	WWF	None
4—Cherry Run	Basin	Armstrong	CWF	None
4—Pire Run	Basin	Armstrong	WWF	None
4—Beers Run	Basin	Armstrong	WWF	None
4—Coal Bank Run	Basin	Armstrong	WWF	None
4—Horney Camp Run	Basin	Armstrong	WWF	None
4—Elbow Run	Basin	Armstrong	WWF	None
4—Campbell Run	Basin	Armstrong	WWF	None
3—Glade Run	Basin	Armstrong	TSF	None
3—Nicholson Run	Basin	Armstrong	WWF	None
3—Taylor Run	Basin	Armstrong	WWF	None
3—Watson Run	Basin	Armstrong	WWF	None
3—Hill Run	Basin	Armstrong	WWF	None
3—Knapp Run	Basin	Armstrong	WWF	None

Source

The provisions of this § 93.9s adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended July 17, 1992, effective July 18, 1992, 22 Pa.B. 3741; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203690) to (203691).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9t. Drainage List T.

Ohio River Basin in Pennsylvania
Kiskiminetas River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River				
3—Kiskiminetas River				
4—Conemaugh River				
5—Stony Creek	Basin, Source to Beaverdam Creek	Somerset	CWF	None
6—Beaverdam Creek	Basin	Somerset	HQ-CWF	None
5—Stony Creek	Main Stem, Beaverdam Creek to Quemahoning Creek	Somerset	TSF	None
6—Unnamed Tributaries to Stony Creek	Basins, Beaverdam Creek to Quemahoning Creek	Somerset	CWF	None
6—Oven Run	Basin	Somerset	CWF	None
6—Fallen Timber Run	Basin	Somerset	CWF	None
6—Quemahoning Creek	Main Stem	Somerset	CWF	None
7—Unnamed Tributaries to Quemahoning Creek	Basins	Somerset	CWF	None
7—North Branch Quemahoning Creek	Main Stem	Somerset	CWF	None
8—Unnamed Tributaries to North Branch Quemahoning Creek	Basins	Somerset	CWF	None
8—Horner Run	Basin	Somerset	CWF	None
8—Beams Run	Basin	Somerset	CWF	None
8—Spruce Run	Basin	Somerset	HQ-CWF	None
8—Beaverdam Run	Basin	Somerset	CWF	None
7—Beaverdam Creek	Basin	Somerset	HQ-CWF	None
7—Roaring Run	Basin, Source to Boswell Municipal Authority Dam	Somerset	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
7—Roaring Run	Basin, Boswell Municipal Authority Dam to Mouth	Somerset	CWF	None
7—Twomile Run	Basin	Somerset	CWF	None
7—Higgins Run	Basin	Somerset	CWF	None
5—Stony Creek	Main Stem, Quemahoning Creek to Confluence with Little Conemaugh River	Cambria	WWF	None
6—Unnamed Tributaries to Stony Creek	Basins, Quemahoning Creek to Confluence with Little Conemaugh River	Somerset-Cambria	CWF	None
6—Shade Creek	Main Stem	Somerset	CWF	None
7—Unnamed Tributaries to Shade Creek	Basins	Somerset	CWF	None
7—Dark Shade Creek	Basin	Somerset	CWF	None
7—Clear Shade Creek	Basin, Source to Windber Reservoir	Somerset	EV	None
7—Clear Shade Creek	Main Stem, Windber Reservoir to Mouth	Somerset	HQ-CWF	None
8—Unnamed Tributaries Clear Shade Creek	Basins, Windber Reservoir to Mouth	Somerset	HQ-CWF	None
8—Piney Run	Basin, Source to T 816	Somerset	EV	None
8—Piney Run	Basin, T 816 to Mouth	Somerset	HQ-CWF	None
7—Hinson Run	Basin	Somerset	CWF	None
7—Roaring Fork	Basin	Somerset	CWF	None
7—Spruce Run	Basin	Somerset	CWF	None
6—Paint Creek	Main Stem, Source to Little Paint Creek	Cambria-Somerset	CWF	None
7—Unnamed Tributaries to Paint Creek	Basins, Source to Little Paint Creek	Cambria-Somerset	CWF	None
7—Babcock Creek	Basin	Somerset	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
7—Seese Run	Basin	Somerset	CWF	None
7—Little Paint Creek	Basin	Cambria	CWF	None
6—Paint Creek	Main Stem, Little Paint Creek to Mouth	Cambria-Somerset	TSF	None
7—Unnamed Tributaries to Paint Creek	Basins, Little Paint Creek to Mouth	Cambria-Somerset	CWF	None
6—Bens Creek				
7—South Fork Bens Creek	Basin, Source to Conemaugh Twp. Water Authority Reservoir	Somerset	EV	None
7—South Fork Bens Creek	Basin, Conemaugh Twp. Water Authority Reservoir to Confluence with North Fork	Somerset	HQ-CWF	None
7—North Fork Bens Creek	Basin, Source to Johnstown Reservoir	Somerset	EV	None
7—North Fork Bens Creek	Main Stem, Johnstown Reservoir	Somerset	HQ-CWF	None
8—Unnamed Tributaries to North Fork Bens Creek	Basins, Johnstown Reservoir	Somerset	EV	None
8—Allwine Creek	Basin	Somerset	EV	None
8—Riffle Run	Basin	Somerset	EV	None
7—North Fork Bens Creek	Basin, Johnstown Reservoir Dam to Confluence with South Fork	Somerset	HQ-CWF	None
6—Bens Creek	Main Stem, Confluence of South and North Forks to Mouth	Cambria	CWF	None
7—Unnamed Tributaries to Bens Creek	Basins, Confluence of South and North Forks to Mouth	Somerset	CWF	None
7—Dalton Run	Basin	Somerset	HQ-CWF	None
7—Mill Creek	Basin	Somerset	HQ-CWF	None
6—Sams Run	Basin	Cambria	WWF	None
6—Solomon Run	Basin	Cambria	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Cherry Run	Basin	Cambria	WWF	None
5—Little Conemaugh River	Main Stem, Source to North Branch Little Conemaugh River	Cambria	CWF	None
6—Unnamed Tributaries to Little Conemaugh River	Basins, Source to North Branch Little Conemaugh River	Cambria	CWF	None
6—Bear Rock Run	Basin	Cambria	CWF	None
6—Bens Creek	Basin	Cambria	HQ-CWF	None
6—Noels Creek	Basin	Cambria	HQ-CWF	None
6—Spring Run	Basin	Cambria	CWF	None
6—Trout Run	Basin	Cambria	CWF	None
6—North Branch Little Conemaugh River	Basin	Cambria	CWF	None
5—Little Conemaugh River	Main Stem, North Branch Little Conemaugh River to Confluence to Confluence with Stony Creek	Cambria	WWF	None
6—Unnamed Tributaries to Little Conemaugh River	Basins, North Branch Little Conemaugh River to Confluence with Stony Creek	Cambria	CWF	None
6—Laurel Run	Basin	Cambria	CWF	None
6—South Fork Little Conemaugh River	Basin, Source to Beaverdam Run	Cambria	HQ-CWF	None
7—Beaverdam Run	Basin	Cambria	HQ-CWF	None
6—South Fork Little Conemaugh	Basin, Beaverdam Run to Mouth	Cambria	CWF	None
6—Bear Run	Basin	Cambria	CWF	None
6—Saltlick Run	Basin	Cambria	HQ-CWF	None
6—Clapboard Run	Basin	Cambria	WWF	None
6—Peggys Run	Basin	Cambria	WWF	None
4—Conemaugh River	Main Stem, Confluence of Little Conemaugh River and Stony Creek to Confluence with Loyalhanna Creek	Westmoreland	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Unnamed Tributaries to Conemaugh River	Basins, Confluence of Little Conemaugh River and Stoney Creek to Confluence with Loyalhanna Creek	Cambria-Indiana-Westmoreland	CWF	None
5—Hinckston Run	Basin, Source to Hinckston Reservoir	Cambria	CWF	None
5—Hinckston Run	Basin, Hinckston Reservoir to Mouth	Cambria	WWF	None
5—Elk Run	Basin	Cambria	CWF	None
5—St. Clair Run	Basin	Cambria	CWF	None
5—Laurel Run	Basin	Cambria	HQ-CWF	None
5—Clark Run	Basin	Indiana	HQ-CWF	None
5—Findley Run	Basin	Indiana	HQ-CWF	None
5—Big Spring Run	Basin, Source to Sugar Run	Westmoreland	CWF	None
5—Big Spring Run	Basin, Sugar Run to Mouth	Westmoreland	CWF	None
5—Baldwin Creek	Basin, Source to New Florence Dam	Westmoreland	EV	None
5—Baldwin Creek	Main Stem, New Florence Dam to Mouth	Westmoreland	HQ-CWF	None
6—Unnamed Tributaries to Baldwin Creek	Basins, New Florence Dam to Mouth	Westmoreland	HQ-CWF	None
6—Powdermill Run	Basin	Westmoreland	EV	None
6—Poplar Run	Basin	Westmoreland	HQ-CWF	None
5—Shannon Run	Basin	Westmoreland	HQ-CWF	None
5—Richards Run	Basin	Indiana	CWF	None
5—Tubmill Creek	Basin, Source to Tubmill Reservoir Dam	Westmoreland	EV	None
5—Tubmill Creek	Basin, Tubmill Reservoir Dam to Mouth	Westmoreland	TSF	None
5—Roaring Run	Basin	Indiana	CWF	None
5—Toms Run	Basin	Indiana	CWF	None
5—McGee Run	Basin Source to Farthest Upstream Crossing of Derry Borough Border	Westmoreland	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—McGee Run	Main Stem, Farthest Upstream Crossing of Derry Borough Border to Mouth	Westmoreland	TSF	None
6—Unnamed Tributaries to McGee Run	Basins, Farthest Upstream Crossing of Derry Borough Border to Mouth	Westmoreland	CWF	None
6—Trout Run	Basin	Westmoreland	CWF	None
6—Shirey Run	Basin	Westmoreland	HQ-CWF	None
6—Harbridge Run	Basin	Westmoreland	CWF	None
5—Stony Run	Basin	Westmoreland	CWF	None
5—Blacklick Creek				
6—North Branch Blacklick Creek	Basin, Source to Confluence with South Branch	Indiana	CWF	None
6—South Branch Blacklick Creek	Main Stem, Source to Confluence with North Branch	Indiana	CWF	None
7—Unnamed Tributaries to South Branch Blacklick Creek	Basins, Source to Confluence with North Branch	Cambria	CWF	None
7—Williams Run	Basin	Cambria	CWF	None
7—Stewart Run	Basin	Cambria	HQ-CWF	None
7—Coalpit Run	Basin	Cambria	CWF	None
7—Bracken Run	Basin	Cambria	CWF	None
7—Shuman Run	Basin	Cambria	CWF	None
5—Blacklick Creek	Main Stem, Confluence of North and South Branches to Mouth	Indiana	TSF	None
6—Unnamed Tributaries to Blacklick Creek	Basins, Confluence of North and South Branches to Mouth	Indiana	CWF	None
6—Rummel Run	Basin	Indiana	CWF	None
6—Ramsey Run	Basin	Indiana	CWF	None
6—Clarke Run	Basin	Indiana	CWF	None
6—Mardis Run (North)	Basin	Indiana	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Mardis Run (South)	Basin	Indiana	CWF	None
6—Brush Creek	Basin	Indiana	CWF	None
6—Ramsey Run	Basin	Indiana	CWF	None
6—Aulds Run	Basin	Indiana	CWF	None
6—Laurel Run	Basin	Indiana	CWF	None
6—Two Lick Creek				
7—South Branch Two Lick Creek	Basin, Source to Confluence with North Branch	Indiana	HQ-CWF	None
7—North Branch Two Lick Creek	Basin, Source to Confluence with South Branch	Indiana	CWF	None
6—Two Lick Creek	Main Stem, Confluence of North and South Branches to Mouth	Indiana	TSF	None
7—Unnamed Tributaries to Two Lick Creek	Basins, Confluence of North and South Branches to Mouth	Indiana	CWF	None
7—Browns Run	Basin	Indiana	CWF	None
7—Buck Run	Basin	Indiana	CWF	None
7—Dixon Run	Basin	Indiana	CWF	None
7—Penn Run	Basin	Indiana	CWF	None
7—Allen Run	Basin	Indiana	CWF	None
7—Ramsey Run	Basin	Indiana	CWF	None
7—Stoney Run	Basin	Indiana	CWF	None
7—Yellow Creek	Main Stem, Source to Yellow Creek State Park Dam	Indiana	CWF	None
8—Unnamed Tributaries to Yellow Creek	Basins, Source to Yellow Creek State Park Dam	Indiana	CWF	None
8—Leonard Run	Basin	Indiana	CWF	None
8—Laurel Run	Basin	Indiana	CWF	None
8—Rose Run	Basin	Indiana	CWF	None
8—Laurel Run	Basin	Indiana	CWF	None
8—Little Yellow Creek	Basin	Indiana	HQ-CWF	None
7—Yellow Creek	Main Stem, Yellow Creek State Park Dam to Mouth	Indiana	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
8—Unnamed Tributaries to Yellow Creek	Main Stem, Yellow Creek State Park Dam to Mouth	Indiana	CWF	None
8—Ferrier Run	Basin	Indiana	CWF	None
7—Tearing Run	Basin	Indiana	CWF	None
7—Cherry Run	Basin	Indiana	CWF	None
6—Weirs Run	Basin	Indiana	CWF	None
6—Muddy Run	Basin	Indiana	CWF	None
6—Greys Run	Basin	Indiana	CWF	None
6—Stewart Run	Basin	Indiana	CWF	None
5—Aultmans Run	Basin	Indiana	TSF	None
5—Roaring Run	Basin	Indiana	CWF	None
5—Spruce Run	Basin	Westmoreland	HQ-CWF	None
5—Boatyard Run	Basin	Westmoreland	CWF	None
5—Elders Run	Basin	Indiana	CWF	None
4—Loyalhanna Creek	Basin, Source to Laughlinton Run	Westmoreland	HQ-CWF	None
5—Laughlinton Run	Basin, Source to Furnace Run	Westmoreland	HQ-CWF	None
6—Furnace Run	Basin	Westmoreland	EV	None
5—Laughlinton Run	Basin, Furnace Run to Mouth	Westmoreland	HQ-CWF	None
4—Loyalhanna Creek	Main Stem, Laughlinton Run to Fourmile Run	Westmoreland	CWF	None
5—Unnamed Tributaries to Loyalhanna Creek	Basins, Laughlinton Run to Fourmile Run	Westmoreland	CWF	None
5—Zimmerman Run	Basin	Westmoreland	CWF	None
5—Mill Creek	Basin	Westmoreland	CWF	None
6—Middle Fork Mill Creek	Basin, Source to Confluence with North and South Forks	Westmoreland	EV	None
6—North Fork Mill Creek	Basin, Source to Confluence with Middle and South Forks	Westmoreland	HQ-CWF	None
6—South Fork Mill Creek	Basin, Source to Confluence with Middle and North Forks	Westmoreland	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Mill Creek	Main Stem, Confluence of North, Middle, and South Forks to Mouth	Westmoreland	CWF	None
6—Unnamed Tributaries to Mill Creek	Basins, Confluence of North, Middle, and South Forks to Mouth	Westmoreland	CWF	None
6—Macks Run	Basin	Westmoreland	CWF	None
6—Hannas Run	Basin	Westmoreland	CWF	None
5—Coalpit Run	Basin	Westmoreland	HQ-CWF	None
5—Fourmile Run	Basin	Westmoreland	TSF	None
4—Loyalhanna Creek	Main Stem, Fourmile Run to Miller Run	Westmoreland	TSF	None
5—Unnamed Tributaries to Loyalhanna Creek	Basins, Fourmile Run to Miller Run	Westmoreland	CWF	None
5—Miller Run	Basin	Westmoreland	HQ-CWF	None
4—Loyalhanna Creek	Main Stem, Miller Run to Confluence with Conemaugh River	Westmoreland	WWF	None
5—Unnamed Tributaries to Loyalhanna Creek	Basins, Miller Run to Confluence with Conemaugh River	Westmoreland	WWF	None
5—Ninemile Run	Main Stem	Westmoreland	WWF	None
6—Unnamed Tributaries to Ninemile Run	Basins	Westmoreland	WWF	None
6—Indian Camp Run	Basin	Westmoreland	HQ-CWF	None
6—Sawmill Run	Basin	Westmoreland	WWF	None
5—Monastery Run	Basin	Westmoreland	WWF	None
5—Unity Run	Basin	Westmoreland	CWF	None
5—Saxman Run	Basin	Westmoreland	WWF	None
5—Union Run	Basin	Westmoreland	WWF	None
5—Keystone Lake Tributary (McCune Run)	Basin, Source to Keystone Lake Dam	Westmoreland	TSF	None
5—Keystone Lake Tributary (McCune Run)	Basin, Keystone Lake Dam to Mouth	Westmoreland	WWF	None
5—Crabtree Creek	Basin	Westmoreland	WWF	None
5—Whitethorn Creek	Basin	Westmoreland	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Serviceberry Run	Basin	Westmoreland	HQ-WWF	None
5—Getty Run	Basin	Westmoreland	WWF	None
3—Kiskiminetas River	Main Stem, Confluence of Conemaugh River and Loyalhanna Creek to Mouth	Armstrong	WWF	None
4—Unnamed Tributaries to Kiskiminetas River	Basins, Confluence of Conemaugh River and Loyalhanna Creek to Mouth	Westmoreland- Indiana- Armstrong	WWF	None
4—Blacklegs Creek	Basin	Indiana	CWF	None
4—Sulphur Run	Basin	Indiana	CWF	None
4—Long Run	Basin	Armstrong	WWF	None
4—Wolford Run	Basin	Westmoreland	WWF	None
4—Flat Run	Basin	Armstrong	WWF	None
4—Roaring Run	Basin	Armstrong	CWF	None
4—Beaver Run	Basin, Source to Beaver Run Reservoir Dam	Westmoreland	HQ-CWF	None
4—Beaver Run	Basin, Beaver Run Reservoir Dam to Mouth	Westmoreland	TSF	None
4—Pine Run	Basin	Westmoreland	WWF	None
4—Carnahan Run	Basin	Armstrong	WWF	None
4—Guffy Run	Basin	Armstrong	WWF	None
4—Brady Run	Basin	Armstrong	WWF	None
4—Penn Run	Basin	Westmoreland	WWF	None
4—Elder Run	Basin	Armstrong	WWF	None

Source

The provisions of this § 93.9t adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203692), (199445) to (199452) and (203693).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9u. Drainage List U.

Ohio River Basin in Pennsylvania
Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Allegheny River	Main Stem, Kiskiminetas River to Confluence with Monongahela River	Allegheny	WWF; <i>Add</i> N	<i>Add</i> TON
3—Unnamed Tributaries to Allegheny River	Basins, Kiskiminetas River to Plum Creek	Westmoreland-Armstrong-Allegheny	WWF	None
3—Buffalo Creek	Basin, Source to Little Buffalo Run	Butler	HQ-CWF	None
3—Buffalo Creek	Basin, Little Buffalo Run to Little Buffalo Creek	Butler	HQ-TSF	None
4—Little Buffalo Creek	Basin	Butler	HQ-TSF	None
3—Buffalo Creek	Basin, Little Buffalo Creek to Mouth	Butler-Armstrong	TSF	None
3—Chartiers Run	Basin	Westmoreland	TSF	None
3—Bull Creek	Basin	Allegheny	TSF	None
3—Bailey Run	Basin	Allegheny	WWF	None
3—Crawford Run	Basin	Allegheny	WWF	None
3—Pucketa Creek	Basin	Allegheny	TSF	None
3—Riddle Run	Basin	Allegheny	WWF	None
3—Tawney Run	Basin	Allegheny	WWF	None
3—Blacks Run	Basin	Allegheny	WWF	None
3—Falling Springs Run	Basin	Allegheny	WWF	None
3—Deer Creek	Basin, Source to Little Deer Creek	Allegheny	CWF	None
4—Little Deer Creek	Basin	Allegheny	TSF	None
3—Deer Creek	Basin, Little Deer Creek to Mouth	Allegheny	WWF	None
3—Plum Creek	Basin	Allegheny	WWF	None
3—Unnamed Tributaries to Allegheny River	Basins, Plum Creek to Confluence with Monongahela River	Allegheny	WWF; <i>Delete</i> PWS	None <i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Powers Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Indian Creek	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Quigley Creek	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Sandy Creek	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Squaw Run	Basin	Allegheny	HQ-WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Shades Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Guyasuta Run	Basin, Source to PA 28	Allegheny	HQ-WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Guyasuta Run	Basin, PA 28 to Mouth	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Pine Creek	Basin, Source to North Park Lake Dam	Allegheny	CWF	None
3—Pine Creek	Basin, North Park Lake Dam to Mouth	Allegheny	TSF	<i>Delete</i> TDS ₁ <i>Add</i> TDS ₂
3—Girtys Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂

Source

The provisions of this § 93.9u adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037.

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9v. Drainage List V.

Ohio River Basin in Pennsylvania
Monongahela River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River				
2—Monongahela River (WV)				
3—Unnamed Tributaries to Monongahela River	Basins (all sections in PA), Source to PA-WV State Border	Greene-Fayette	WWF	None
2—Monongahela River	Main Stem, PA-WV State Border to Confluence with Allegheny River	Allegheny	WWF; <i>Add N</i>	<i>Add TON</i>
3—Unnamed Tributaries to Monongahela River	Basins, (all sections in PA) PA-WV State Border to Mingo Creek	Allegheny-Westmoreland-Washington-Greene-Fayette	WWF	None
3—Robinson Run	Basin (all sections in PA)	Greene	WWF	None
3—Crooked Run	Basin (all sections in PA)	Greene	WWF	None
3—Camp Run	Basin (all sections in PA)	Fayette	WWF	None
3—Cheat River (WV)				
4—Unnamed Tributaries to Cheat River	Basins (all sections in PA), Source to PA-WV State Border	Fayette	WWF	None
4—Big Sandy Creek	Main Stem, Source to PA-WV State Border	Fayette	HQ-CWF	None
5—Unnamed Tributaries to Big Sandy Creek	Basins (all sections in PA), Source to PA-WV State Border	Fayette	HQ-CWF	None
5—Braddock Run	Basin	Fayette	HQ-CWF	None
5—Chaney Run	Basin	Fayette	HQ-CWF	None
5—Scotts Run	Basin	Fayette	HQ-CWF	None
5—McIntire Run	Basin	Fayette	HQ-CWF	None
5—Stony Fork	Basin	Fayette	HQ-CWF	None
5—Quebec Run	Basin, Source to Mill Run	Fayette	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Mill Run	Basin	Fayette	HQ-CWF	None
5—Quebec Run	Basin, Mill Run to Mouth	Fayette	HQ-CWF	None
4—Big Sandy Creek (WV)				
5—Unnamed Tributaries to Big Sandy Creek	Basins (all sections in PA), PA-WV State Border to Mouth	Fayette	HQ-CWF	None
5—Little Sandy Creek	Basin (all sections in PA)	Fayette	HQ-CWF	None
5—Laurel Run	Basin (all sections in PA)	Fayette	HQ-CWF	None
4—Rubles Run	Basin (all sections in PA)	Fayette	CWF	None
3—Cheat River	Main Stem, PA-WV State Border to Mouth	Fayette	WWF	None
4—Unnamed Tributaries to Cheat River	Basins (all sections in PA), PA-WV State Border to Mouth	Fayette	WWF	None
4—Grassy Run	Basin	Fayette	WWF	None
3—Dunkard Creek				
4—Pennsylvania Fork Dunkard Creek	Main Stem (all sections in PA) Source to Confluence with West Virginia Fork	Greene	WWF	None
5—Unnamed Tributaries to Pennsylvania Fork Dunkard Creek	Basins (all sections in PA), Source to Confluence with West Virginia Fork	Greene	WWF	None
5—Taylor Run	Basin	Greene	WWF	None
5—Six Run	Basin	Greene	WWF	None
5—White Creek (Brushy Fork)	Basin (all sections in PA)	Greene	WWF	None
5—Garrison Fork	Basin	Greene	WWF	None
5—Pumpkin Run	Basin (all sections in PA)	Greene	WWF	None
5—Clawson Run	Basin	Greene	WWF	None
5—Toms Run	Basin	Greene	WWF	None
4—West Virginia Fork Dunkard Creek (WV)				

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Unnamed Tributaries to West Virginia Fork Dunkard Creek	Basins (all sections in PA), Source to PA-WV State Border	Greene	WWF	None
4—West Virginia Fork Dunkard Creek	Basin (all sections in PA), PA-WV State Border to Confluence with Pennsylvania Fork	Greene	WWF	None
3—Dunkard Creek	Main Stem (all sections in PA), Confluence of Pennsylvania and West Virginia Forks to Mouth	Greene	WWF	None
4—Unnamed Tributaries to Dunkard Creek	Basins (all sections in PA), Confluence of Pennsylvania and West Virginia Forks to Mouth	Greene	WWF	None
4—Hoovers Run	Basin	Greene	WWF	None
4—Morris Run	Basin	Greene	WWF	None
4—Wrights Run	Basin	Greene	WWF	None
4—Roberts Run	Basin (all sections in PA)	Greene	WWF	None
4—Rudolph Run	Basin (all Sections in PA)	Greene	WWF	None
4—Hackelbender Run	Basin (all Sections in PA)	Greene	WWF	None
4—Blacks Run	Basin (all Sections in PA)	Greene	WWF	None
4—Ripleys Run	Basin (all Sections in PA)	Greene	WWF	None
4—Shannon Run	Main Stem	Greene	WWF	None
5—Unnamed Tributaries to Shannon Run	Basins	Greene	WWF	None
5—Fox Run	Basin	Greene	WWF	None
5—Little Shannon Run	Basin	Greene	CWF	None
4—Bacon Run	Basin	Greene	WWF	None
4—Hobbs Run	Basin	Greene	WWF	None
4—Calvin Run	Basin	Greene	WWF	None
4—Dooley Run	Basin	Greene	WWF	None
4—Glade Run	Basin	Greene	WWF	None
4—Meadow Run	Basin	Greene	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Georges Creek	Main Stem	Fayette	WWF	None
4—Unnamed Tributaries to Georges Creek	Basins	Fayette	WWF	None
4—Muddy Run	Basin	Fayette	WWF	None
4—Mountain Creek	Basin	Fayette	CWF	None
4—York Run	Basin	Fayette	WWF	None
4—War Branch	Basin	Fayette	WWF	None
3—Jacobs Creek	Basin	Fayette	WWF	None
3—Cats Run	Basin	Fayette	WWF	None
3—Whiteley Creek	Basin, Source to FAS 616 (SR 2011) Bridge	Greene	TSF	None
3—Whiteley Creek	Basins, FAS 616 Bridge to Mouth	Greene	WWF	None
3—Little Whiteley Creek	Basin	Greene	WWF	None
3—Browns Run	Basin	Fayette	WWF	None
3—Pegs Run	Basin	Greene	WWF	None
3—Middle Run	Basin	Fayette	WWF	None
3—Antram Run	Basin	Fayette	WWF	None
3—Wallace Run	Basin	Fayette	WWF	None
3—Muddy Creek	Basin	Greene	WWF	None
3—Neel Run	Basin	Greene	WWF	None
3—Pumpkin Run	Basin	Greene	WWF	None
3—Rush Run	Basin	Greene	WWF	None
3—Bates Run	Basin	Fayette	WWF	None
3—Tenmile Creek	Basin, Source to South Fork Tenmile Creek	Greene	TSF	None
4—South Fork Tenmile Creek	Basin, Source to Browns Creek	Greene	HQ-WWF	None
5—Browns Creek	Basin	Greene	HQ-WWF	None
4—South Fork Tenmile Creek	Basin, Browns Creek to Mouth	Greene	WWF	None
3—Tenmile Creek	Basin, South Fork Tenmile Creek to Mouth	Greene	WWF	None
3—Fishpot Run	Basin	Washington	WWF	None
3—Barneys Run	Basin	Washington	WWF	None
3—Meadow Run	Basin	Fayette	WWF	None
3—Kelley Run	Basin	Fayette	WWF	None
3—Rush Run	Basin	Fayette	WWF	None
3—Twomile Run	Basin	Washington	WWF	None
3—Dunlap Creek	Basin	Fayette	WWF	None
3—Redstone Creek	Basin	Fayette	WWF	None
3—Lilly Run	Basin	Washington	WWF	None
3—Pike Run	Basin	Washington	TSF	None
3—Little Redstone Creek	Basin	Fayette	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Lamb Lick Run	Basin	Fayette	WWF	None
3—Downers Run	Basin	Fayette	WWF	None
3—Hooders Run	Basin	Washington	WWF	None
3—Speers Run	Basin	Westmoreland	WWF	None
3—Maple Creek	Basin	Washington	WWF	None
3—Beckets Run	Basin	Allegheny	WWF	None
3—Sunfish Creek	Basin	Allegheny	WWF	None
3—Pigeon Creek	Basin	Washington	WWF	None
3—Dry Run	Basin	Washington	WWF	None
3—Mingo Creek	Basin, Source to Froman Run	Washington	HQ-TSF	None
4—Froman Run	Basin	Washington	TSF	None
3—Mingo Creek	Basin, Froman Run to Mouth	Washington	TSF	None
3—Unnamed Tributaries to Monongahela River	Basins, Mingo Creek to Youghiogheny River	Allegheny-Washington	WWF	None
3—Huston Run	Basin	Washington	WWF	None
3—Bunola Run	Basin	Allegheny	WWF	None
3—Kelly Run	Basin	Allegheny	WWF	None
3—Perry Mill Run	Basin	Allegheny	WWF	None
3—Lobbs Run	Basin	Allegheny	WWF	None
3—Smiths Run	Basin	Allegheny	WWF	None
3—Fallen Timber Run	Basin	Allegheny	WWF	None
3—Wylie Run	Basin	Allegheny	WWF	None
3—Peters Creek	Basin	Allegheny	TSF	None
3—Youghiogheny River (MD)				
4—Unnamed Tributaries to Youghiogheny River	Basin (all Sections in PA), Source to PA-MD State Border	Fayette-Somerset	CWF	None
4—Buffalo Run	Basin (all Sections in PA)	Fayette	WWF	None
4—Mill Run	Basin (all Sections in PA)	Somerset	WWF	None
4—Collier Hollow	Basin (all Sections in PA)	Somerset	WWF	None
3—Youghiogheny River	Main Stem, PA-MD State Border to Youghiogheny Dam	Fayette-Somerset	WWF	<i>Delete</i> Temp ₂ , <i>Add</i> Temp ₁

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Youghiogheny River	Basins (all Sections in PA), PA-MD State Border to Youghiogheny Dam	Fayette-Somerset	CWF	None
4—Reason Run	Basin (all Sections in PA)	Fayette	WWF	None
4—Braddocks Run	Basin	Somerset	WWF	None
4—Hall Run	Basin	Fayette	WWF	None
4—Tub Run	Basin	Fayette	WWF	None
3—Youghiogheny River	Main Stem, Youghiogheny Dam to Ramcat Run	Fayette	HQ-CWF	None
4—Unnamed Tributaries of Youghiogheny River	Basins, Youghiogheny Dam to Ramcat Run	Fayette-Somerset	CWF	None
4—Hen Run	Basin	Fayette	WWF	None
4—Casselman River (MD)				
5—Unnamed Tributaries to Casselman River	Basins (all sections of PA), Source to PA-MD State Border	Somerset	CWF	None
5—Big Shade Run	Basin (all Sections in PA)	Somerset	CWF	None
4—Casselman River	Main Stem, PA-MD State Border to Mouth	Somerset	WWF	None
5—Unnamed Tributaries to Casselman River	Basins (all sections in PA), PA-MD State Border to Coxes Creek	Somerset	CWF	None
5—Flag Run	Basin	Somerset	CWF	None
5—Meadow Run	Basin (all Sections in PA)	Somerset	CWF	None
5—Tub Mill Run	Basin	Somerset	CWF	None
5—Piney Creek	Main Stem (all Sections in PA)	Somerset	CWF	None
6—Unnamed Tributaries to Piney Creek	Basins (all Sections in PA)	Somerset	CWF	None
6—Little Piney Creek	Basin	Somerset	CWF	None
5—Flaugherty Creek	Basin	Somerset	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
5—Elklick Creek	Basin	Somerset	CWF	None
5—Blue Lick Creek	Basin	Somerset	CWF	None
5—Swamp Creek	Basin	Somerset	CWF	None
5—Buffalo Creek	Basin	Somerset	CWF	None
5—Bigby Creek	Basin	Somerset	CWF	None
5—Piney Run	Basin	Somerset	CWF	None
5—Lick Run	Basin	Somerset	CWF	None
5—Shafer Run	Basin	Somerset	CWF	None
5—Stony Batter Run	Basin	Somerset	CWF	None
5—Weimer Run	Basin	Somerset	CWF	None
5—Coxes Creek				
6—East Branch Coxes Creek	Basin, Source to PA 281	Somerset	WWF	None
6—East Branch Coxes Creek	Main Stem, PA 281 to Confluence with West Branch	Somerset	TSF	None
7—Unnamed Tributaries to East Branch Coxes Creek	Basins, PA 281 to Confluence with West Branch	Somerset	TSF	None
7—Kimberly Run	Basin	Somerset	CWF	None
6—West Branch Coxes Creek	Basin, Source to Confluence with East Branch	Somerset	WWF	None
5—Coxes Creek	Main Stem, Confluence of East and West Branches to Mouth	Somerset	WWF	None
6—Unnamed Tributaries to Coxes Creek	Basins, Confluence of East and West Branches to Mouth	Somerset	WWF	None
6—Laurel Run	Basin	Somerset	WWF	None
6—Wilson Creek	Basin	Somerset	WWF	None
5—Unnamed Tributaries to Casselman River	Basins, Coxes Creek to Mouth	Somerset	WWF	None
5—Rhoades Creek	Basin	Somerset	WWF	None
5—South Glade Creek	Basin	Somerset	WWF	None
5—Middle Creek	Basin	Somerset	TSF	None
5—Town Line Run	Main Stem	Somerset	WWF	None
6—Unnamed Tributaries to Town Line Run	Basins	Somerset	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Isers Run	Basin	Somerset	EV	None
5—McClintock Run	Basin	Somerset	CWF	None
5—Cucumber Run	Basin	Somerset	WWF	None
5—Whites Creek	Basin (all Sections in PA)	Somerset	HQ-CWF	None
5—Laurel Hill Creek	Basin, Source to Jones Mill Run	Somerset	HQ-CWF	None
6—Jones Mill Run	Basin	Somerset	EV	None
5—Laurel Hill Creek	Basin, Jones Mill Run to Fall Creek	Somerset	HQ-CWF	None
6—Fall Creek	Basin, Source to Blue Hole Creek	Somerset	HQ-CWF	None
7—Blue Hole Creek	Basin	Somerset	EV	None
6—Fall Creek	Basin, Blue Hole Creek to Mouth	Somerset	HQ-CWF	None
5—Laurel Hill Creek	Basin, Fall Creek to Mouth	Somerset	HQ-CWF	None
4—Ramcat Run	Basin	Fayette	CWF	None
3—Youghiogheny River	Main Stem, Ramcat Run to Connell Run	Fayette	HQ-CWF	None
4—Unnamed Tributaries to Youghiogheny River	Basins, Ramcat Run to Connell Run	Fayette	WWF	None
4—Drake Run	Basin	Somerset	HQ-CWF	None
4—Camp Run	Basin	Fayette	HQ-CWF	None
4—Lick Run	Basin	Fayette	HQ-CWF	None
4—Long Run	Basin	Fayette	EV	None
4—Rock Spring Run	Basin	Fayette	HQ-CWF	None
4—Sheepskin Run	Basin	Fayette	EV	None
4—Meadow Run	Basin	Fayette	HQ-CWF	None
4—Cucumber Run	Basin	Fayette	CWF	None
4—Jim Run	Basin	Fayette	CWF	None
4—Bear Run	Basin	Fayette	EV	None
4—Jonathan Run	Basin	Fayette	EV	None
4—Sugar Run	Basin	Fayette	EV	None
4—Laurel Run	Basin	Fayette	HQ-CWF	None
4—Crooked Run	Basin	Fayette	CWF	None
4—Bruner Run (Haney Run)	Basin	Fayette	EV	None
4—Johnson Run	Basin	Fayette	HQ-CWF	None
4—Workman Run	Basin	Fayette	CWF	None
4—Morgan Run	Basin	Fayette	HQ-CWF	None
4—Indian Creek	Basin, Source to Camp Run	Westmoreland	HQ-CWF	None
5—Camp Run	Basin	Westmoreland	EV	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Indian Creek	Basin, Camp Run to Champion Creek	Fayette	HQ-CWF	None
5—Champion Creek	Basin	Fayette	CWF	None
5—Unnamed Tributaries to Indian Creek	Basins, Champion Creek to Mouth	Fayette	CWF	None
5—Wash Run	Basin	Fayette	CWF	None
5—Back Creek	Main Stem	Fayette	CWF	None
6—Unnamed Tributaries to Back Creek	Basins	Fayette	CWF	None
6—Trout Run	Basin	Fayette	HQ-CWF	None
6—Neals Run	Basin	Fayette	HQ-CWF	None
5—Poplar Run	Basin	Fayette	CWF	None
5—Laurel Run	Basin	Fayette	CWF	None
5—Stony Run	Basin	Fayette	CWF	None
5—Mill Run	Basin	Fayette	HQ-CWF	None
5—Rasler Run	Basin	Fayette	CWF	None
5—Richter Run	Basin	Fayette	CWF	None
5—Tates Run	Basin	Fayette	CWF	None
4—Laurel Run	Basin	Fayette	CWF	None
4—Dunbar Creek	Basin, Source to Gist Run	Fayette	HQ-CWF	None
5—Gist Run	Basin	Fayette	TSF	None
4—Dunbar Creek	Basin, Gist Run to Mouth	Fayette	TSF	None
4—Connell Run	Basin	Fayette	WWF	None
3—Youghiogheny River	Main Stem, Connell Run to Mouth	Allegheny	WWF	None
4—Unnamed Tributaries to Youghiogheny River	Basins, Connell Run to Mouth	Fayette-Westmoreland-Allegheny	WWF	None
4—Opossum Run	Basin	Fayette	WWF	None
4—Mounts Creek	Basin	Fayette	WWF	None
4—Galley Run	Basin	Fayette	WWF	None
4—Hickman Run	Basin	Fayette	WWF	None
4—Dickerson Run	Basin	Fayette	WWF	None
4—Smiley Run	Basin	Fayette	WWF	None
4—Laurel Run	Basin	Fayette	WWF	None
4—Furnace Run	Basin	Fayette	WWF	None
4—Virgin Run	Basin, Source to Virgin Run Lake Dam	Fayette	HQ-TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Virgin Run	Basin, Virgin Run Lake Dam to Mouth	Fayette	TSF	None
4—Washington Run	Basin	Fayette	WWF	None
4—Browneller Run	Basin	Fayette	WWF	None
4—Jacobs Creek	Basin, Source to Bridgeport Reservoir Dam	Fayette	CWF	None
4—Jacobs Creek	Basin from Bridgeport Reservoir Dam to Mouth	Fayette	WWF	None
4—Cedar Creek	Basin	Westmoreland	TSF	None
4—Sewickley Creek	Basin, Source to Brinker Run	Westmoreland	HQ-CWF	None
5—Brinker Run	Basin	Westmoreland	WWF	None
4—Sewickley Creek	Main Stem, Brinker Run to Mouth	Westmoreland	WWF	None
5—Unnamed Tributaries to Sewickley Creek	Basins, Brinker Run to Mouth	Westmoreland	WWF	None
5—Boyer Run	Basin	Westmoreland	WWF	None
5—Township Line Run	Basin	Westmoreland	WWF	None
5—Jacks Run	Basin	Westmoreland	WWF	None
5—Wilson Run	Basin	Westmoreland	WWF	None
5—Belson Run	Basin	Westmoreland	WWF	None
5—Buffalo Run	Basin	Westmoreland	WWF	None
5—Lick Run	Basin	Westmoreland	WWF	None
5—Pinkerton Run	Basin	Westmoreland	WWF	None
5—Painters Run	Basin	Westmoreland	WWF	None
5—Kelly Run	Basin	Westmoreland	WWF	None
5—Little Sewickley Creek	Basin	Westmoreland	TSF	None
4—Pollock Run	Basin	Allegheny	WWF	None
4—Gillespie Run	Basin	Allegheny	WWF	None
4—Crawford Run	Basin	Allegheny	WWF	None
4—Long Run	Basin, Source to Jacks Run	Allegheny	HQ-TSF	None
5—Jacks Run	Basin	Allegheny	HQ-TSF	None
4—Long Run	Basin, Jacks Run to Mouth	Allegheny	TSF	None
3—Unnamed Tributaries to Monongahela River	Basins, Youghiogheny River to Mouth	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS and Mn; <i>Add</i> TDS ₂

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Crooked Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Thompson Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Turtle Creek	Main Stem, Source to Brush Creek	Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Unnamed Tributaries to Turtle Creek	Basins, Source to Brush Creek	Westmoreland- Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Steels Run	Basin	Westmoreland	HQ-CWF <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Haymakers Run	Basin	Westmoreland	HQ-CWF <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Abers Creek	Basin	Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Lyons Run	Basin	Westmoreland	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Simpson Run	Basin	Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Brush Creek	Basin	Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Turtle Creek	Main Stem, Brush Creek to Mouth	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Unnamed Tributaries to Turtle Creek	Basins, Brush Creek to Mouth	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
4—Thompson Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Homestead Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Ninemile Run	Basin	Allegheny	TSF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—West Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂
3—Streets Run	Basin	Allegheny	WWF; <i>Delete</i> PWS	<i>Delete</i> TDS ₁ and Mn; <i>Add</i> TDS ₂

Source

The provisions of this § 93.9v adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529. Immediately preceding text appears at serial pages (167941) to (167948) and (181013) to (181016).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions).

§ 93.9w. Drainage List W.

Ohio River Basin in Pennsylvania *Ohio River*

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Ohio River	Main Stem, Confluence of Allegheny and Monongahela Rivers to PA-OH State Border Exceptions to Specific Criteria for Ohio River Main Stem <i>Delete</i> CN and F; <i>Add:</i> Barium—Total barium shall not exceed 1.0 mg/l. Cadmium—Total cadmium shall not exceed 0.01 mg/l. Chloride—Chloride shall not exceed 250 mg/l. Cyanide—Total cyanide shall not exceed 0.025 mg/l; free cyanide shall not exceed 0.005 mg/l. Fluoride—Total fluoride shall not exceed 1.0 mg/l. Nitrite—Nitrite shall not exceed 1.0 mg/l as N. Selenium—Total selenium shall not exceed 0.01 mg/l. Silver—Total silver shall not exceed 0.05 mg/l.	Beaver	WWF; <i>Add</i> N	<i>Shown Below</i>

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
	<p>Radionuclides—Gross total alpha activity (including radium-226 but excluding radon and uranium) shall not exceed 15 picocurie per liter (pCi/l) and combined radium-226 and radium-228 shall not exceed 5 pCi/l; provided that specific determinations of radium-226 and radium-228 are not required if gross particle activity does not exceed 5 pCi/l. Concentration of total gross beta particle activity shall not exceed 50 pCi/l; the concentration of tritium shall not exceed 20,000 pCi/l; the concentration of total Strontium-90 shall not exceed 8 pCi/l.</p> <p>Mercury—Total organism body burden of any aquatic species shall not exceed 0.5 micrograms/gram as total mercury. Total mercury concentration (unfiltered) in any water sample shall not exceed 0.2 micrograms/liter.</p> <p>PCB—Total PCB shall not exceed 1 nanogram per liter; however, when the level in water is less than the practical laboratory quantification level, a fish flesh body burden level in excess of 2 ppm shall be cause for concern and further investigation.</p>			
2—Unnamed Tributaries to Ohio River	Basins, Confluence of Allegheny and Monongahela Rivers to PA-OH State Border	Allegheny-Beaver	WWF	None
2—Sawmill Run	Basin	Allegheny	WWF	None
2—Chartiers Creek	Main Stem	Allegheny	WWF	None
3—Unnamed Tributaries to Chartiers Creek	Basins	Washington-Allegheny	WWF	None
3—Reservoir No. 4	Basin	Washington	HQ-WWF	None
3—Reservoir No. 3	Basin	Washington	HQ-WWF	None
3—Reservoir No. 2	Basin	Washington	HQ-WWF	None
3—Catfish Creek	Basin	Washington	WWF	None
3—Georges Run	Basin	Washington	WWF	None
3—Chartiers Run	Basin	Washington	WWF	None
3—Brush Run	Basin	Washington	WWF	None
3—Little Chartiers Creek	Basin, Source to Alcoa Dam	Washington	HQ-WWF	None
3—Little Chartiers Creek	Basin, Alcoa Dam to Mouth	Washington	WWF	None
3—McPherson Creek	Basin	Washington	WWF	None
3—Brush Run	Basin	Washington	WWF	None
3—Coal Run	Basin	Allegheny	WWF	None
3—Millers Run	Basin	Allegheny	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Thoms Run	Basin	Allegheny	TSF	None
3—McLaughlin Run	Basin	Allegheny	WWF	None
3—Painters Run	Basin	Allegheny	WWF	None
3—Scrubgrass Run	Basin	Allegheny	WWF	None
3—Georges Run	Basin	Allegheny	WWF	None
3—Robinson Run	Basin	Allegheny	WWF	None
3—Campbells Run	Basin	Allegheny	WWF	None
3—Whiskey Run	Basin	Allegheny	WWF	None
2—Jacks Run	Basin	Allegheny	WWF	None
2—Spruce Run	Basin	Allegheny	WWF	None
2—Lowries Run	Basin	Allegheny	TSF	None
2—Toms Run	Basin	Allegheny	WWF	None
2—Kilbuck Run	Basin	Allegheny	CWF	None
2—Moon Run	Basin	Allegheny	WWF	None
2—Montour Run	Basin	Allegheny	TSF	None
2—McCabe Run	Basin	Allegheny	WWF	None
2—Thorn Run	Basin	Allegheny	WWF	None
2—Narrows Run	Basin	Allegheny	WWF	None
2—Little Sewickley Creek	Basin	Allegheny	HQ-TSF	None
2—Flaugherty Run	Basin	Allegheny	WWF	None
2—Shouse Run	Basin	Allegheny	WWF	None
2—Big Sewickley Creek	Basin	Allegheny	TSF	None
2—Logtown Run	Basin	Beaver	WWF	None
2—Legionville Run	Basin	Beaver	WWF	None
2—Tevebau Run	Basin	Beaver	WWF	None
2—Crows Run	Basin	Beaver	WWF	None
2—Elkhorn Run	Basin	Beaver	WWF	None
2—Dutchman Run	Basin	Beaver	WWF	None
2—Fosburg Run	Basin	Beaver	WWF	None
2—Lacock Run	Basin	Beaver	WWF	None
2—Beaver River				
3—Mahoning River (OH)				
4—Unnamed Tributaries to Mahoning River	Basins (all sections in PA), Source to PA-OH State Border	Lawrence	WWF	None
3—Mahoning River	Main Stem, PA-OH State Border to Confluence with Shenango River	Lawrence	WWF	<i>Shown Below</i>
	Exceptions to Specific Criteria for Mahoning River Main Stem			
	<i>Delete</i> the entire list except Am.			
	<i>Add:</i>			
	As, Ch ₂ , Cr, DO ₂ , F, Pb, Mn, N, S, Temp ₄ , TDS ₁			
	pH—Not less than 6.0 and not more than 8.5			

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
				Total Iron—Not more than 1.0 mg/l. Threshold Odor Number—Not to exceed 24 at 60°C as a daily average Total Cyanide—Not to exceed 0.025 mg/l. Free Cyanide—Not to exceed 0.005 mg/l. Phenolics—Not to exceed 0.010 mg/l. Cadmium—Not to exceed 0.01 mg/l(total). Total Chromium—Not to exceed 0.1 mg/l. PCB—Not to exceed 1 nanogram per liter. Copper—Not to exceed 0.02 mg/l (total). Nickel—Not to exceed 0.1 mg/l (total). Zinc—Not to exceed 0.2 mg/l (total).
4—Unnamed Tributaries to Mahoning River	Basins, PA-OH State Border to Confluence with Shenango River	Lawrence	WWF	None
4—Coffee Run	Basin (all Sections in PA)	Lawrence	WWF	None
4—Marshall Run	Basin	Lawrence	WWF	None
4—Hickory Run	Basin (all Sections in PA)	Lawrence	TSF	None
3—Shenango River	Basin, Source to Pymatuning Reservoir	Crawford	WWF	None
3—Shenango River	Main Stem (all sections in PA), Pymatuning Reservoir	Crawford	WWF	Add TON
4—Unnamed Tributaries to Shenango River	Basins (all sections in PA), Pymatuning Reservoir	Crawford	WWF	None
4—Linesville Creek	Basin	Crawford	WWF	None
4—Bennett Run	Basin	Crawford	WWF	None
4—Paden Creek	Basin	Crawford	WWF	None
3—Shenango River	Main Stem, Pymatuning Reservoir Dam to Shenango Reservoir Dam	Mercer	WWF	Add TON
4—Unnamed Tributaries to Shenango River	Basins, Pymatuning Reservoir Dam to Shenango Reservoir Dam	Crawford-Mercer	WWF	None
4—Sugar Run	Basin	Crawford	WWF	None
4—Little Shenango River	Basin	Mercer	TSF	None
4—Mathay Run	Basin	Mercer	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Big Run	Basin	Mercer	WWF	None
4—Lawango Run	Basin	Mercer	WWF	None
4—Lackawannock Creek	Basin	Mercer	TSF	None
4—Daley Run	Basin	Mercer	WWF	None
4—Magargee Run	Basin	Mercer	WWF	None
4—Golden Run	Basin	Mercer	WWF	None
4—Brush Run	Basin	Mercer	WWF	None
4—Pymatuning Creek	Basin (all sections in PA)	Mercer	WWF	None
4—Pine Hollow Run	Basin	Mercer	WWF	None
3—Shenango River	Main Stem, Shenango Reservoir Dam to Point 1.0 River Mile Downstream	Mercer	TSF	Add TON
4—Unnamed Tributaries to Shenango River	Basins, Shenango Reservoir Dam to Point 1.0 River Mile Downstream	Mercer	CWF	None
3—Shenango River	Main Stem (all sections in PA), 1.0 River Mile Downstream of Shenango Reservoir Dam to Confluence with Mahoning River	Lawrence	WWF	Add TON
4—Unnamed Tributaries to Shanango River	Basins (all sections in PA), 1.0 River Mile Downstream of Shenango Reservoir Dam to Confluence with Mahoning River	Mercer-Lawrence	WWF	None
4—McCullough Run	Basin (all sections in PA)	Mercer	WWF	None
4—Thornton Run	Basin	Mercer	WWF	None
4—Big Run	Basin (all sections in PA)	Mercer	WWF	None
4—Pine Run	Basin	Mercer	WWF	None
4—Little Yankee Run	Basin (all sections in PA)	Mercer	WWF	None
4—Bobby Run	Basin	Mercer	WWF	None
4—Hogback Run	Basin	Mercer	WWF	None
4—Turkey Run	Basin	Mercer	WWF	None
4—Buchanan Run	Basin	Lawrence	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Deer Creek	Basin (all sections in PA)	Lawrence	WWF	None
4—Neshannock Creek	Basin	Lawrence	TSF	None
4—Big Run	Basin	Lawrence	WWF	None
2—Beaver River	Main Stem, Confluence of Mahoning and Shenango Rivers to Mouth	Beaver	WWF, Add N	Add TON
3—Unnamed Tributaries to Beaver River	Basins, Confluence of Mahoning and Shenango Rivers to Mouth	Lawrence-Beaver	WWF	None
3—McKee Run	Basin	Lawrence	WWF	None
3—Edwards Run	Basin	Lawrence	WWF	None
3—Jenkins Run	Basin	Lawrence	WWF	None
3—Eckles Run	Basin	Lawrence	WWF	None
3—Snake Run	Basin	Lawrence	WWF	None
3—Wampum Run	Basin	Lawrence	WWF	None
3—Connoquenessing Creek	Basin, Source to Oneida Dam	Butler	HQ-WWF	None
3—Connoquenessing Creek	Main Stem, Oneida Dam to Mouth	Lawrence	WWF	None
4—Unnamed Tributaries to Connoquenessing Creek	Basins, Oneida Dam to Mouth	Butler-Beaver Lawrence	WWF	None
4—Pine Run	Basin	Butler	WWF	None
4—Stony Run	Basin	Butler	WWF	None
4—Thorn Creek	Basin, Source to Thorn Dam	Butler	HQ-WWF	None
4—Thorn Creek	Basin, Thorn Dam to Mouth	Butler	WWF	None
4—Bonnie Brook	Basin	Butler	WWF	None
4—Coal Run	Basin	Butler	WWF	None
4—Sullivan Run	Basin	Butler	WWF	None
4—Butcher Run	Basin	Butler	WWF	None
4—Sawmill Run	Basin	Butler	WWF	None
4—Rocklick Run	Basin	Butler	WWF	None
4—Thorn Creek	Basin	Butler	CWF	None
4—Glade Run	Basin	Butler	WWF	None
4—Breakneck Creek	Basin	Butler	WWF	None
4—Little Connoquenessing Creek	Basin	Butler	CWF	None
4—Scholars Run	Basin	Butler	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Glade Run	Basin	Butler	WWF	None
4—Muntz Run	Basin	Butler	WWF	None
4—Doe Run	Basin	Butler	WWF	None
4—Camp Run	Basin	Butler	WWF	None
4—Hazen Run	Basin	Butler	WWF	None
4—Brush Creek	Basin	Butler	WWF	None
4—Slippery Rock Creek	Basin, Source to Muddy Creek	Lawrence	CWF	None
5—Muddy Creek	Basin, Source to Moraine State Park Dam	Butler	HQ-CWF	None
5—Muddy Creek	Basin, Moraine State Park Dam to Mouth	Lawrence	WWF	None
4—Slippery Rock Creek	Basin, Muddy Creek to Hell Run	Lawrence	CWF	None
5—Hell Run	Basin	Lawrence	EV	None
4—Slippery Rock Creek	Basin, Hell Run to Mouth	Lawrence	CWF	None
4—Duck Run	Basin	Lawrence	WWF	None
3—Stockman Run	Basin	Beaver	WWF	None
3—Clarks Run	Basin	Beaver	WWF	None
3—Thompson Run	Basin	Beaver	WWF	None
3—Wallace Run	Basin	Beaver	WWF	None
3—Bennett Run	Basin	Beaver	WWF	None
3—Walnut Bottom Run	Basin	Beaver	WWF	None
3—Blockhouse Run	Basin	Beaver	WWF	None
3—Brady Run	Basin	Beaver	TSF	None
3—Hamilton Run	Basin	Beaver	WWF	None
3—McKinley Run	Basin	Beaver	WWF	None
2—Twomile Run	Basin	Beaver	WWF	None
2—Poorhouse Run	Basin	Beaver	WWF	None
2—Raccoon Creek	Basin, Source to Traverse Creek	Beaver	WWF	None
3—Traverse Creek	Basin, Source to State Park Dam	Beaver	HQ-CWF	None
3—Traverse Creek	Basin, State Park Dam to Mouth	Beaver	TSF	None
2—Raccoon Creek	Main Stem, Traverse Creek to Mouth	Beaver	WWF	None
3—Unnamed Tributaries to Raccoon Creek	Basins, Traverse Creek to Mouth	Beaver	WWF	None
3—Little Traverse Run	Basin	Beaver	WWF	None
3—Raredon Run	Basin	Beaver	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Service Creek	Basin, Source to J. C. Bacon Dam	Beaver	HQ-CWF	None
3—Service Creek	Basin, J. C. Bacon Dam Mouth	Beaver	WWF	None
3—Frames Run	Basin	Beaver	WWF	None
3—Trampmill Run	Basin	Beaver	WWF	None
3—Gums Run	Basin	Beaver	WWF	None
3—Fishpot Run	Basin	Beaver	WWF	None
2—Fourmile Run	Basin	Beaver	WWF	None
2—Squirrel Run	Basin	Beaver	WWF	None
2—Sixmile Run	Basin	Beaver	WWF	None
2—Wolf Run	Basin	Beaver	WWF	None
2—Haden Run	Basin	Beaver	WWF	None
2—Peggs Run	Basin	Beaver	WWF	None
2—Smiths Run	Basin	Beaver	WWF	None
2—Upper Dry Run	Basin	Beaver	WWF	None
2—Little Beaver Creek	Main Stem (all sections in PA)	Beaver	WWF	None
3—Unnamed Tributaries to Little Beaver Creek	Basins (all sections in PA)	Lawrence-Beaver	WWF	None
3—North Fork Little Beaver Creek	Basin (all sections in PA)	Beaver	HQ-CWF	None
3—Bieler Run	Basin (all sections in PA)	Beaver	WWF	None
3—Island Run	Basin	Beaver	WWF	None
2—Mill Creek	Basin (all sections in PA)	Beaver	TSF	None
1—Ohio River (OH/WV)				
2—Unnamed Tributaries to Enlow Fork	Basins (all sections in PA), PA-WV State Border to Confluence with Dunkard Fork	Washington-Greene	WWF	None
2—North Fork Tomlinson Run	Basin (all sections in PA)	Beaver	WWF	None
2—South Fork Tomlinson Run	Basin (all sections in PA)	Beaver	WWF	None
2—Kings Creek	Basin (all sections in PA)	Washington	CWF	None
2—Harmon Creek	Basin (all sections in PA)	Washington	WWF	None
2—Cross Creek	Basin, Source to Avella Water Intake	Washington	HQ-WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Cross Creek	Basin (all Sections in PA), Avella Water Intake to PA-WV State Border	Washington	WWF	None
2—Buffalo Creek	Basin (all sections in PA)	Washington	HQ-WWF	None
2—Wheeling Creek				
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	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
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)				
4—Unnamed Tributaries to Enlow Fork	Basins (all sections in PA), PA-WV Border to Confluence with Dunkard Fork	Washington-Greene	WWF	None
3—Dunkard Fork				
4—North Fork Dunkard Fork	Basin, Source to Confluence with South Fork	Greene	TSF	None
4—South Fork Dunkard Fork	Basin (all sections in PA), Source to Confluence with North Fork	Greene	TSF	None
3—Dunkard Fork	Main Stem, Confluence of North and South Forks to PA-WV State Border	Greene	WWF	None
4—Unnamed Tributaries to Dunkard Fork	Basins, Confluence of North and South Forks to PA-WV State Border	Greene	WWF	None
4—Crabapple Creek	Basin	Greene	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Wharton Run	Basin (all sections in PA)	Greene	WWF	None
4—Stone Coal Run	Basin	Greene	WWF	None
3—Dunkard Fork (WV)				
4—Unnamed Tributaries to Dunkard Fork	Basins (all sections in PA), PA-WV State Border to Confluence with Enlow Fork	Greene	WWF	None
2—Wheeling Creek (WV)				
3—Unnamed Tributaries to Wheeling Creek	Basins (all sections in PA), Confluence of Enlow and Dunkard Forks to Mouth	Washington-Greene	WWF	None
3—Turkey Run	Basin (all sections in PA)	Washington	WWF	None
3—Middle Wheeling Creek	Basin (all sections in PA)	Washington	WWF	None
2—Grave Creek	Basin (all sections in PA)	Greene	WWF	None
2—Fish Creek	Basin (all sections in PA)	Greene	WWF	None

Source

The provisions of this § 93.9w adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; corrected February 19, 1993, effective August 1, 1992, 23 Pa.B. 836; amended May 14, 1993, effective May 15, 1993, 23 Pa.B. 2325; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203697) to (203698), (199469) to (199474) and (203699) to (203700).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9x. Drainage List X.

Lake Erie

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Lake Erie	All sections of lake in PA except Outer Erie Harbor and Presque Isle Bay	Erie	CWF	<i>Delete</i> Fe, pH ₁ , DO ₁ and Bac ₁ <i>Add</i> the “specific criteria for Lake Erie” as listed below.

Specific Criteria for Lake Erie

Determination of compliance with specific criteria shall be based on statistically valid sampling data. For the lake-wide dissolved solids limit, the Great Lakes Regional Office of the IJC will determine compliance.

pH—Values should not be outside range of 6.5 to 9.0

Dissolved Oxygen—In the upper waters of the lakes, the dissolved oxygen level should be not less than 6.0 milligrams per liter at any time; in hypolimnetic waters, it should be not less than necessary for the support of fishlife, particularly cold water species.

Iron (Fe)—Levels should not exceed 0.3 milligrams per liter or natural levels, whichever is greater.

Temperature—Temp₁

Dissolved Solids—In addition to TDS₁, the level of total dissolved should not exceed 200 milligrams per liter as an annual average based on representative lakewide sampling.

Bacteria—The geometric mean of not less than five samples taken over not more than a thirty-day period should not exceed 1,000/100 milliliters total coliforms, nor 200/100 milliliters fecal coliforms.

Waters used for body contact recreation activities should be substantially free from bacteria, fungi, or viruses that may produce enteric disorders or eye, ear, nose, throat and skin infections or other human diseases and infections.

Taste and Odor—Phenols and other objectionable taste and odor producing substances should be substantially absent.

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
				<p>Phosphorus (P)—Concentrations should be limited to the extent necessary to prevent nuisance growths of algae, weeds, and slimes that are or may become injurious to any beneficial water use.</p> <p>Radioactivity—Radioactivity should be kept at the lowest practicable level and in any event should be controlled to the extent necessary to prevent harmful effects on health.</p> <p>Aldrin/Dieldrin—Not to exceed 1 nanogram per liter in water; not to exceed 0.3 mg/Kg in the edible portion of fish.</p> <p>Chlordane—Not to exceed 60 nanograms per liter.</p> <p>DDT and Metabolites—Not to exceed 3 nanograms per liter in water; not to exceed 1 mg/Kg in the edible portion of fish.</p> <p>Endrin—Not to exceed 2 nanograms per liter in water; not to exceed 0.3 mg/Kg in the edible portion of fish.</p> <p>Heptachlor—Not to exceed 1 nanogram/liter in water; not to exceed 0.3 mg/Kg in the edible portion of fish.</p> <p>Lindane—Not to exceed 10 nanograms per liter in water; not to exceed 0.3 mg/Kg in the edible portion of fish.</p> <p>Methoxychlor—Not to exceed 40 nanograms per liter.</p> <p>Toxaphene—Not to exceed 8 nanograms per liter.</p> <p>Phthalate Esters; Dibutyl Phthalate—Not to exceed 4 micrograms per liter. Di—(2—ethylhexyl phthalate)—Not to exceed 0.6 micrograms per liter.</p> <p>Other phthalate esters—Not to exceed 0.2 micrograms per liter.</p> <p>PCB's—Not to exceed 1 nanogram per liter; not to exceed 0.1 mg/Kg in whole fish.</p> <p>Cadmium—Not to exceed 0.01 of the 96-hour LC50 for representative important species.</p> <p>Mercury—Not to exceed 0.2 micrograms per liter in an unfiltered water sample.</p> <p>Selenium—Not to exceed 10 micrograms per liter.</p>

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Lake Erie (Outer Erie Harbor and Presque Isle Bay)	Portion of lake bordered by Presque Isle on west, longitude 80°01'50" on east, and latitude 42°10'18" on north, except harbor area and central channel dredged and maintained by United States Army Corps of Engineers	Erie	WWF	<i>Delete</i> pH ₁ <i>Add</i> pH ₃ , TON, and MBAS ₁
1—Lake Erie (Outer Erie Harbor and Presque Isle Bay)	Harbor area and central channel dredged and maintained by United States Army Corps of Engineers	Erie	WWF, <i>Delete</i> WC	<i>Delete</i> pH ₁ , and Bac ₁ <i>Add</i> pH ₃ , Bac ₂ , TON and MBAS ₁
2—Unnamed Tributaries to Lake Erie	Basins (all sections in PA), PA-OH State Border to Presque Isle	Erie	CWF, MF	None
2—Ashtabula River (OH)				
3—East Branch Ashtabula River	Basin (all Sections in PA)	Erie	CWF; MF	None
3—Ashtabula Creek	Main Stem, Source to PA-OH State Border	Erie	WWF	None
4—Unnamed Tributaries to Ashtabula Creek	Basins, (all sections in PA) Source to PA-OH State Border	Erie	CWF; MF	None
3—Ashtabula Creek (OH)				
4—Unnamed Tributaries to Ashtabula Creek	Basins (all sections in PA), PA-OH State Border to Mouth	Erie	CWF, MF	None
2—Conneaut Creek	Main Stem, Source to PA-OH State Border	Erie	WWF; MF	<i>Delete</i> DO ₃ and Temp ₂ <i>Add</i> DO ₁ and Temp ₁

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Unnamed Tributaries	Basins, (all sections in PA) Source to PA-OH State Border	Erie-Crawford	CWF; MF	None
3—Fish Creek	Basin	Crawford	CWF; MF	None
3—Foster Run	Basin	Crawford	CWF; MF	None
3—Crazy Run	Basin	Crawford	CWF; MF	None
3—Stone Run	Basin	Erie	CWF; MF	None
3—West Branch Conneaut Creek	Basin (all Sections in PA)	Erie	CWF; MF	None
3—Marsh Run	Basin	Erie	CWF; MF	None
3—East Branch Conneaut Creek	Basin	Erie	CWF; MF	None
2—Conneaut Creek (OH)				
3—Unnamed Tributaries to Conneaut Creek	Basins (all sections in PA), PA-OH State Border to Mouth	Erie	CWF, MF	None
2—Turkey Creek	Main Stem, Source to PA-OH State Border	Erie	CWF	None
3—Unnamed Tributaries to Turkey Creek	Basins, (all sections in PA), Source to PA-OH State Border	Erie	CWF, MF	None
2—Turkey Creek (OH)				
3—Unnamed Tributaries to Turkey Creek	Basins, (all sections in PA), PA-OH State Border to Mouth	Erie	CWF, MF	None
2—Raccoon Creek	Basin	Erie	CWF; MF	None
2—Crooked Creek	Basin	Erie	HQ-CWF; MF	None
2—Elk Creek	Main Stem	Erie	WWF; MF	<i>Delete</i> DO ₂ and Temp ₂ <i>Add</i> DO ₁ and Temp ₁
3—Unnamed Tributaries to Elk Creek	Basins	Erie	CWF; MF	None
3—Lamson Run	Basin	Erie	CWF; MF	None
3—Goodban Run	Basin	Erie	CWF; MF	None
3—Falk Run	Basin	Erie	CWF; MF	None
3—Little Elk Creek	Basin	Erie	CWF; MF	None
3—Brandy Run	Basin	Erie	CWF; MF	None
3—Halls Run	Basin	Erie	CWF; MF	None
2—Godfrey Run	Basin	Erie	HQ-CWF; MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Trout Run	Basin	Erie	CWF; MF	None
2—Walnut Creek	Main Stem	Erie	CWF; MF	None
3—Unnamed Tributaries to Walnut Creek	Basins	Erie	CWF; MF	None
3—Bear Run	Basin	Erie	CWF; MF	None
3—Thomas Run	Basin	Erie	HQ-CWF; MF	None
2—Unnamed Tributaries to Lake Erie	Basins, Presque Isle to Unnamed Tributary at RM 23.22	Erie	WWF; MF	None
2—Unnamed Tributary to Lake Erie at RM 23.22	Basin	Erie	CWF; MF	None
2—Unnamed Tributaries to Lake Erie	Basins, Unnamed Tributary at RM 23.22 to Longitude 80°01'50"	Erie	WWF; MF	None
2—Cascade Creek	Basin	Erie	WWF; MF	None
2—Mill Creek	Basin	Erie	WWF; MF	None
2—Fourmile Creek	Basin	Erie	WWF; MF	<i>Delete</i> DO ₂ and Temp ₂ <i>Add</i> DO ₁ and Temp ₁
2—Unnamed Tributaries to Lake Erie	Basins, Longitude 80°01'50" to PA-NY State Border	Erie	CWF; MF	None
2—Sixmile Creek	Basin	Erie	CWF; MF	None
2—Sevenmile Creek	Basin	Erie	CWF; MF	None
2—Eightmile Creek	Basin	Erie	CWF; MF	None
2—Twelvemile Creek	Basin	Erie	HQ-CWF; MF	None
2—Sixteenmile Creek	Basin, (all sections in PA) Source to I-90	Erie	CWF; MF	None
2—Sixteenmile Creek	Basin, I-90 to Mouth	Erie	WWF; MF	<i>Delete</i> DO ₂ and Temp ₂ <i>Add</i> DO ₁ and Temp ₁
2—Twentymile Creek (NY)				
3—Unnamed Tributaries to Twentymile Creek	Basins (all sections in PA), Source to PA-NY State Border	Erie	CWF, MF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Twentymile Creek	Main Stem, PA-NY State Border to Mouth	Erie	CWF	None
3—Unnamed Tributaries to Twentymile Creek	Basins (all sections in PA), PA-NY State Border to Mouth Basins	Erie	CWF, MF	None
		Erie	CWF; MF	None

Source

The provisions of this § 93.9x adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (199477) to (199480) and (203701) to (203702).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9y. Drainage List Y.

Susquehanna River Basin in Pennsylvania (Lake Ontario) *Genesee River*

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Genesee River	Main Stem, Source to PA-NY State Border	Potter	CWF	None
2—Unnamed Tributaries to Genesee River	Basins (all sections in PA) Source to PA-NY State Border	Potter	CWF	None
2—Musto Hollow	Basin	Potter	CWF	None
2—Ludlington Run	Basin	Potter	HQ-CWF	None
2—Turner Creek	Basin	Potter	CWF	None
2—Shanty Hollow	Basin	Potter	CWF	None
2—Wolf Hollow	Basin	Potter	CWF	None
2—Cotton Brook	Basin	Potter	HQ-CWF	None
2—Middle Branch Genesee River	Basin	Potter	HQ-CWF	None
2—Mundy Brook	Basin (all sections in PA)	Potter	CWF	None
2—West Branch Genesee River	Basin	Potter	HQ-CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Cryder Creek	Basin (all sections in PA)	Potter	CWF	None
1—Genesee River (NY)				
2—Unnamed Tributaries to Genesee River	Basins (all sections in PA), PA-NY State Border to Mouth	Potter	CWF	None
2—Marsh Creek	Basin (all sections in PA)	Potter	CWF	None

Source

The provisions of this § 93.9y adopted March 6, 1992, effective March 7, 1992, 22 Pa.B. 1037; amended November 19, 1993, effective November 20, 1993, 23 Pa.B. 5529; amended June 27, 1997, effective June 28, 1997, 27 Pa.B. 3050. Immediately preceding text appears at serial pages (203702) to (203703).

Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

§ 93.9z. Drainage List Z.

Potomac River Basin in Pennsylvania

Potomac River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
1—Potomac River (MD)				
2—Unnamed Tributaries to Potomac River	Basins (all sections in PA)	Somerset- Bedford- Franklin- Adams	WWF	None
2—Wills Creek	Main Stem, Source to PA-MD State Border	Bedford	CWF	None
3—Unnamed Tributaries to Wills Creek	Basins, Source to PA-MD State Border	Bedford- Somerset	HQ-CWF	None
3—Laurel Run	Basin, Source to PA 313 Bridge	Somerset	EV	None
3—Laurel Run	Basin, PA 313 Bridge to Mouth	Somerset	HQ-CWF	None
3—Mountain Run	Basin	Somerset	HQ-CWF	None
3—Brush Creek	Basin	Somerset	HQ-CWF	None
3—Shaffers Run	Basin	Somerset	HQ-CWF	None
3—Gooseberry Run	Basin	Somerset	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Little Wills Creek	Basin	Somerset	HQ-CWF	None
3—Gladdens Run	Basin	Somerset	HQ-CWF	None
2—Wills Creek (MD)				
3—Unnamed Tributaries to Wills Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Somerset- Bedford	HQ-CWF	None
3—Jennings Run	Basin (all sections in PA)	Somerset	CWF	None
2—Evitts Creek	Basin (all sections in PA)	Bedford	HQ-CWF	None
2—Town Creek	Basin, Source to PA-MD Border	Bedford	HQ-CWF	None
2—Town Creek (MD)				
3—Unnamed Tributaries to Town Creek	Basin (all sections in PA), PA-MD State Border to Mouth	Bedford	HQ-CWF	None
3—Amarine Branch	Basin (all sections in PA)	Bedford	HQ-CWF	None
3—Flintstone Creek	Basin, Source to Lost Creek	Bedford	HQ-CWF	None
4—Lost Creek	Basin	Bedford	HQ-CWF	None
3—Flintstone Creek	Main Stem, Lost Creek to PA-MD State Border	Bedford	HQ-TSF	None
4—Unnamed Tributaries to Flintstone Creek	Basins, (all sections in PA) Lost Creek to PA-MD State Border	Bedford	HQ-CWF	None
4—Twigg Hollow	Basin	Bedford	HQ-CWF	None
4—Laurel Branch	Basin	Bedford	HQ-CWF	None
3—Flintstone Creek (MD)				
4—Unnamed Tributaries to Flintstone Creek	Basins (all sections in PA), PA-MD Border to Mouth	Bedford	HQ-CWF	None
2—Fifteen Mile Creek	Basin (all sections in PA)	Bedford	WWF	None
2—Sideling Hill Creek				
3—West Branch Sideling Hill Creek	Basin, Source to Confluence with East Branch	Bedford	CWF	None
3—East Branch Sideling Hill Creek	Basin, Source to Confluence with West Branch	Bedford	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
2—Sideling Hill Creek	Basin, Confluence of West and East Branches to PA-MD State Border	Fulton	EV	None
3—Crooked Run	Basin (all sections in PA)	Fulton	EV	None
2—Sideling Hill Creek (MD)				
3—Unnamed Tributaries to Sideling Hill Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Fulton	EV	None
3—Bear Creek	Basin (all sections in PA)	Fulton	EV	None
3—Unnamed Tributaries to Sideling Hill Creek	Basins, Confluence of West and East Branches to PA-MD State Border	Bedford-Fulton	CWF	None
3—Piney Creek	Basin	Bedford	CWF	None
3—Crooked Run	Basin (all sections in PA)	Fulton	CWF	None
3—Trough Run	Basin	Fulton	CWF	None
2—Sideling Hill Creek (MD)				
3—Unnamed Tributaries to Sideling Hill Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Fulton	CWF	None
3—Bear Creek	Basin (all sections in PA)	Fulton	WWF	None
2—Little Tonoloway Creek (MD)				
3—Unnamed Tributaries to Little Tonoloway Creek	Basins (all sections in PA)	Fulton	WWF	None
3—Sawmill Hollow	Basin (all sections in PA)	Fulton	WWF	None
2—Tonoloway Creek	Main Stem, Source to PA-MD State Border	Fulton	WWF	None
3—Unnamed Tributaries to Tonoloway Creek	Basins, Source to PA-MD State Border	Fulton	WWF	None
3—Crane Run	Basin	Fulton	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Sawmill Run	Basin	Fulton	WWF	None
3—Foster Creek	Basin	Fulton	WWF	None
3—Cummings Run	Basin	Fulton	WWF	None
3—Palmer Run	Basin	Fulton	WWF	None
3—Barnetts Run	Basin	Fulton	TSF	None
3—Little Tonoloway Creek	Basin, Source to I-70	Fulton	CWF	None
3—Little Tonoloway Creek	Basin, I-70 to Mouth	Fulton	TSF	None
3—Plum Run	Basin (all sections in PA)	Fulton	WWF	None
2—Tonoloway Creek (MD)				
3—Unnamed Tributaries to Tonoloway Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Fulton	WWF	None
2—Ditch Run	Basin (all sections in PA)	Fulton	WWF	None
2—Licking Creek	Main Stem, Source to PA-MD State Border	Franklin-	CWF	None
3—Unnamed Tributaries to Licking Creek	Basins, Source to PA-MD State Border	Franklin-Fulton	CWF	None
3—Fortune Teller Creek	Basin	Fulton	CWF	None
3—Sindeldecker Branch	Basin	Fulton	CWF	None
3—Baby Run	Basin	Fulton	CWF	None
3—Patterson Run	Basin	Fulton	CWF	None
3—Owl Creek	Basin	Fulton	CWF	None
3—Joes Run	Basin	Fulton	CWF	None
3—Cove Creek	Main Stem	Fulton	CWF	None
4—Unnamed Tributaries to Cove Creek	Basins	Fulton	CWF	None
4—Kendall Run	Basin	Fulton	CWF	None
4—Back Run	Basin	Fulton	CWF	None
4—Roaring Run	Basin	Fulton	HQ-CWF	None
4—Spring Run	Basin	Fulton	CWF	None
4—Esther Run	Basin	Fulton	CWF	None
2—Licking Creek (MD)				
3—Unnamed Tributaries to Licking Creek	Basins (all sections in PA) PA-MD State Border to Mouth	Franklin	CWF	None
3—Little Cove Creek	Basin (all sections in PA)	Franklin	CWF	None
3—Rabble Run	Basin (all sections in PA)	Franklin	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Lanes Run	Basin (all sections in PA)	Franklin	CWF	None
2—Little Conococheague Creek	Basin (all sections in PA)	Franklin	WWF	None
2—Conococheague Creek	Main Stem, Source to LR 28017 (SR 4014)	Franklin	CWF	None
3—Unnamed Tributaries to Conococheague Creek	Basins, Source to LR 28017	Adams-Franklin	CWF	None
3—Birch Run	Basin	Adams	HQ-CWF	None
3—Stillhouse Run	Basin	Adams	HQ-CWF	None
3—Hosack Run	Basin	Adams	HQ-CWF	None
3—Rocky Mountain Creek	Main Stem	Franklin	HQ-CWF	None
4—Unnamed Tributaries to Rocky Mountain Creek	Basins	Franklin	HQ-CWF	None
4—Raccoon Creek	Basin	Franklin	HQ-CWF	None
4—Carbaugh Run	Basin, Source to First Upstream Pipeline Crossing (near US 30)	Adams	EV	None
4—Carbaugh Run	Basin, First Upstream Pipeline Crossing to Mouth	Franklin	HQ-CWF	None
3—Stump Run	Basin	Franklin	CWF	None
3—Cold Spring Run	Basin	Franklin	HQ-CWF	None
3—Mountain Run	Basin	Franklin	CWF	None
2—Conococheague Creek	Main Stem LR 28017 to PA-MD State Border	Franklin	WWF	None
3—Unnamed Tributaries to Conococheague Creek	Basins, LR 28017 to PA-MD State Border	Franklin	WWF	None
3—Falling Spring Branch	Basin, Source to Chambersburg-Guilford Twp. Border	Franklin	HQ-CWF	
3—Falling Spring Branch	Basins, Chambersburg-Guilford Twp. Border to Mouth	Franklin	TSF	None
3—Back Creek	Main Stem, Source to US 30	Franklin	TSF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
4—Unnamed Tributaries to Back Creek	Basins, Source to US 30	Franklin	TSF	None
4—Rocky Spring Branch	Basin	Franklin	TSF	None
4—Dennis Creek	Basin	Franklin	CWF	None
4—Wilson Run	Basin	Franklin	TSF	None
3—Back Creek	Main Stem, US 30 to Mouth	Franklin	WWF	None
4—Unnamed Tributaries to Back Creek	Basins, US 30 to Mouth	Franklin	TSF	None
4—Campbell Run	Basin	Franklin	CWF	None
3—Muddy Run	Basin	Franklin	HQ-CWF	None
3—Paddy Run	Basin	Franklin	WWF	None
3—West Branch Conococheague Creek	Main Stem, Source to US 30 Bridge	Franklin	CWF, MF	None
4—Unnamed Tributaries to West Branch Conococheague Creek	Basins; Source to US 30 Bridge	Franklin	CWF, MF	None
4—Dry Run	Basin	Franklin	CWF, MF	None
4—Bricker Run	Basin	Franklin	CWF, MF	None
4—McKeldey Run	Basin	Franklin	CWF, MF	None
4—Pump Run	Basin	Franklin	CWF, MF	None
4—Township Run	Basin	Franklin	HQ-CWF, MF	None
4—Rocky Hollow	Basin	Franklin	CWF, MF	None
4—Broad Run	Basin	Franklin	HQ-CWF, MF	None
3—West Branch Conococheague Creek	Main Stem, US 30 Bridge to PA-MD State Border	Franklin	TSF, MF	None
4—Unnamed Tributaries to West Branch Conococheague Creek	Basins, US 30 Bridge to PA-MD State Border	Franklin	TSF, MF	None
4—Buck Run	Basin	Franklin	HQ-CWF, MF	None
4—Johnston Run	Basin	Franklin	WWF, MF	None
4—Licking Creek	Basin	Franklin	TSF, MF	None
4—Welsh Run	Basin	Franklin	TSF, MF	None
2—Conococheague Creek MD				
3—Unnamed Tributaries to Conococheague Creek	Basins (all sections in PA) PA-MD State Border to Mouth	Franklin	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Rockdale Run	Basin (all sections in PA)	Franklin	WWF	None
3—Toms Run	Basin (all sections in PA)	Franklin	WWF	None
2—Antietam Creek				
3—East Branch Antietam Creek	Basin, Source to Vineyard Run	Franklin	HQ-CWF	None
4—Vineyard Run	Basin	Franklin	HQ-CWF	None
3—East Branch Antietam Creek	Main Stem, Vineyard Run to Confluence with West Branch	Franklin	CWF	Add Col ₂
4—Unnamed Tributaries to East Branch Antietam Creek	Basins (all sections in PA) Vineyard Run to Confluence with West Branch	Franklin	CWF	Add Col ₂
4—Deer Lick Run	Basin	Franklin	CWF	None
4—Biesecker Run	Basin	Franklin	CWF	Add Col ₂
4—Red Run	Main Stem	Franklin	CWF	Add Col ₂
5—Unnamed Tributaries to Red Run	Basins (all sections in PA)	Franklin	CWF	Add Col ₂
5—Devils Run	Basin	Franklin	CWF	Add Col ₂
5—Mackey Run	Basin	Franklin	CWF	Add Col ₂
5—Falls Creek	Basin (all sections in PA)	Franklin	WWF	Add Col ₂
3—West Branch Antietam Creek	Basin, Source to Confluence with East Branch	Franklin	CWF	None
2—Antietam Creek	Basin, Confluence of East and West Branches to PA-MD State Border	Franklin	WWF	Add Col ₂
2—Antietam Creek (MD)				
3—Unnamed Tributaries to Antietam Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Franklin	WWF	Add Col ₂
3—Marsh Run	Basin (all sections in PA)	Franklin	WWF	None
3—Marsh Creek	Basin, Source to Willoughby Run	Adams	CWF	None
4—Willoughby Run	Basin	Adams	WWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Marsh Creek	Basin, Willoughby Run to PA-MD State Border	Adams	CWF	None
3—Marsh Creek MD 4—Unnamed Tributaries to Marsh Creek	Basins (all sections in PA) PA-MD State Border to Mouth	Adams	CWF	None
3—Rock Creek	Basin (all sections in PA)	Adams	WWF	None
3—Alloway Creek	Basin (all sections in PA)	Adams	WWF	None
3—Cattail Branch	Basin (all sections in PA)	Adams	WWF	None
3—Piney Creek	Basin (all sections in PA)	Adams	WWF	None
3—Toms Creek	Basin, Source to LR 01053 (SR 3021) Bridge	Adams	HQ-CWF	None
3—Toms Creek	Main Stem, LR 01053 to PA-MD State Border	Adams	CWF	None
4—Unnamed Tributaries to Toms Creek	Basins, LR 01053 Bridge to PA-MD State Border	Adams	CWF	None
4—Miney Branch	Basin	Adams	CWF	None
4—Friends Creek	Basin (all sections in PA)	Adams	CWF	None
3—Toms Creek (MD) 4—Unnamed Tributaries to Toms Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Adams	CWF	None
4—Flat Run	Basin (all sections in PA)	Adams	WWF	None
4—Middle Creek	Basin, Source to PA 116 Bridge (near Fairfield)	Adams	HQ-CWF	None
4—Middle Creek	Basin, PA 116 Bridge to PA-MD State Border	Adams	CWF	None
4—Middle Creek (MD) 5—Unnamed Tributaries to Middle Creek	Basins (all sections in PA) PA-MD State Border to Mouth	Adams	CWF	None

Source

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Cross References

This section cited in 25 Pa. Code § 16.51 (relating to table); 25 Pa. Code § 93.1 (relating to definitions); and 25 Pa. Code § 93.9 (relating to designated water uses and water quality criteria).

SUBMERGED LANDS OF THE COMMONWEALTH—LICENSES AND ANNUAL CHARGES

- 105.31. Property rights.
- 105.32. Projects—proper purpose.
- 105.33. Licenses for public service corporations.
- 105.34. Navigation and public trust.
- 105.35. Charges for use and occupation of submerged lands of this Commonwealth.
- 105.36. [Reserved].
- 105.37. [Reserved].
- 105.38. [Reserved].
- 105.39. [Reserved].
- 105.40. [Reserved].

CONSTRUCTION REQUIREMENTS AND PROCEDURES

- 105.41. Notices and reports.
- 105.42. Acknowledgement of conditions.
- 105.43. Time limits.
- 105.44. Implementation of work according to specifications.
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OPERATION, MAINTENANCE AND INSPECTION

- 105.51. Operation and maintenance.
- 105.52. Inspection.
- 105.53. Inspections by owners and inspection reports.
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INVESTIGATION AND CORRECTION OF UNSAFE CONDITIONS—EMERGENCY PROCEDURES

- 105.61. Procedures for investigations.
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GENERAL**§ 105.1. Definitions.**

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

- Act*—The Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27).
- Along*—Touching or contiguous; to be in contact with; to abut upon.

Appurtenant works—Structures or materials incident to or annexed to dams or water obstructions which are built or maintained in connection with the dams or water obstructions and are essential to their proper functioning. For dams, the term includes, but is not limited to:

- (i) Structures such as spillways, either in the dam or separate therefrom.
- (ii) Low level outlet works.
- (iii) Conduits such as tunnels, pipelines or penstocks through the dam or its abutments.

Archaeological site—A known site of archaeological significance based on the Comprehensive State Plan for Conservation of Archaeological Resources. The Comprehensive State Plan is available from the Historic and Museum Commission, Bureau of Historic Preservation, Box 1026, Harrisburg, Pennsylvania 17108.

Body of water—A natural or artificial lake, pond, reservoir, swamp, marsh or wetland.

Bridge—A structure and its appurtenant works erected over the regulated waters of this Commonwealth.

Commercially navigable waters of the Delaware River and its navigable tributaries—Portions of the Delaware River from the Delaware border in the south to the railroad bridge at Morrisville in the north; the Schuylkill River below Fairmount Dam; Chester Creek below Ninth Street; Crum Creek below the Route 291 (Industrial Highway) Bridge; Darby Creek below 84th Street; Neshaminy Creek below the Route 13 Bridge; Pennypack Creek below the Frankford Avenue Bridge; and Ridley Creek below the Baltimore and Ohio Railroad Bridge in Chester.

Construct—To erect, build, place or deposit including preliminary preparation of a site for construction.

Course—The path taken by a stream, floodway or body of water.

Cross section—The area from the top of the bank to the top of the opposite bank of a stream or body of water as cut by a vertical plane passed at a right angle to the course of the stream.

Culvert—A structure with appurtenant works which carries a stream under or through an embankment or fill.

Current—The rate or velocity of flow of water in a stream, floodway or body of water.

Dam—An artificial barrier, together with its appurtenant works, constructed for the purpose of impounding or storing water or another fluid or semifluid, or a refuse bank, fill or structure for highway, railroad or other purposes which does or may impound water or another fluid or semifluid.

Design flood—A specified discharge for which the hydraulic capacity of a structure is designed.

Discharge of dredged material—An addition, deposit, disposal or discharge of dredged material into the regulated waters of this Commonwealth including, but not limited to, the addition of dredged material to a specific disposal site located in the regulated waters of this Commonwealth and the runoff or overflow of dredged material from a contained land or water disposal area. The term does not include plowing, cultivating, seeding and harvesting for the production of food, fiber and forest products.

Discharge of fill material—

(i) An addition, deposit, disposal or discharge of fill into the regulated waters of this Commonwealth, including, but not limited to, the following types of construction:

(A) Fill that is necessary for the construction of a structure in a regulated water of this Commonwealth.

(B) A structure or impoundment requiring rock, sand, soil or other material for its construction.

(C) Site-development fills for recreational, industrial, commercial, residential and other uses.

(D) Causeways or roadfills.

(E) Dams and dikes.

(F) Artificial islands.

(G) Property protection or reclamation devices, such as riprap, groins, seawalls, breakwaters and revetments.

(H) Levees.

(I) Fill for structures such as sewage treatment facilities.

(J) Intake and outfall pipes associated with power plants and subaqueous utility lines.

(K) Artificial reefs.

(ii) The term does not include plowing, cultivating, seeding and harvesting for the production of food, fiber and forest products.

Dredge—To remove sand, gravel, mud or other materials from the beds of regulated waters of this Commonwealth.

Dredged material—A material that is excavated or dredged from the regulated waters of this Commonwealth.

Encroachment—A structure or activity which changes, expands or diminishes the course, current or cross section of a watercourse, floodway or body of water.

FEMA—The Federal Emergency Management Agency.

Fill—Sand, gravel, earth or other material placed or deposited to form an embankment or raise the elevation of the land surface. The term includes material used to replace an area with aquatic life with dry land or to change the bottom elevation of a regulated water of this Commonwealth.

Flood—A general but temporary condition of partial or complete inundation of normally dry land areas from the overflow of streams, rivers or other waters of this Commonwealth.

Floodplain—The lands adjoining a river or stream that have been or may be expected to be inundated by flood waters in a 100-year frequency flood.

Floodway—The channel of the watercourse and portions of the adjoining floodplains which are reasonably required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

Freeboard—The vertical distance between the water surface elevation experienced during the design flood and the crest elevation of a dam levee, flood-wall or other embankment.

Height of dam—The vertical measurement expressed in feet as measured from the downstream toe of the dam at its lowest point to the elevation of the top of the dam.

High hazard dam—A dam so located as to endanger populated areas downstream by its failure.

Inundation area—The land area subject to flood waters as the result of failure of a dam.

Levee—An earth embankment or ridge constructed along a water course or body of water to confine water within prescribed limits; the term is also known as a dike.

Limited Power and Water Supply Act—The act of June 14, 1923 (P. L. 700, No. 293) (32 P. S. §§ 621—625); and the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. §§ 591—600).

Maintenance dredging—Dredging conducted as part of construction of a dam, water obstruction or encroachment, and periodic dredging conducted to accomplish one or more of the following purposes:

- (i) Maintain adequate depths for navigation.
- (ii) Assure proper passage of ice and flood flows.
- (iii) Preserve the safety, stability and proper operation of the dam, water obstruction or encroachment.

Mitigation—

- (i) An action undertaken to accomplish one or more of the following:
 - (A) Avoid and minimize impacts by limiting the degree or magnitude of the action and its implementation.
 - (B) Rectify the impact by repairing, rehabilitating or restoring the impacted environment.

(C) Reduce or eliminate the impact over time by preservation and maintenance operations during the life of the action.

(ii) If the impact cannot be eliminated by following clauses (A)—(C), compensate for the impact by replacing the environment impacted by the project or by providing substitute resources or environments.

Normal pool elevation—

(i) For bodies of water which have no structural measures to regulate height of water, the height of water at ordinary stages of low water unaffected by drought.

(ii) For structurally regulated bodies of water, the elevation of the spillway, outlet control or dam crest which maintains the body of water at a specified height.

(iii) This term does not apply to wetlands.

100-year frequency flood—The flood magnitude expected to be equaled or exceeded on the average of once in 100 years; it may also be expressed as the flood having a 1.0% chance of being equaled or exceeded in a given year.

Operation—Elements of the use, control and functioning of a dam, water obstruction or encroachment during the lifetime of the dam, water obstruction or encroachment, including its removal, which may affect primarily the storage, release or flow of water; the structural safety of a dam, water obstruction or encroachment; or navigation, with due consideration of the other purposes of the act.

Ordinary low water mark—The water surface elevation at ordinary stages of low water, unaffected by drought and unchanged by artificial means.

Owner—A person who owns, controls, operates, maintains or manages a dam or reservoir, water obstruction or encroachment.

PMF—Probable maximum flood—The flood that may be expected from the most severe combination of critical meteorologic and hydrologic conditions that are reasonably possible in an area. The PMF is derived from the probable maximum precipitation (PMP) as determined on the basis of data obtained from the National Oceanographic and Atmospheric Administration (NOAA).

Parcel—A portion of land formally set forth and described in a conveyance.

Person—A natural person, partnership, association, corporation, public utility, municipality, municipal authority, political subdivision of the Commonwealth, receiver or trustee and a department, board, commission or authority of the Commonwealth.

Political subdivision—A county, city, borough, incorporated town, township, school district, authority or other governmental unit or a combination thereof acting jointly.

Public service corporation or public utility—A corporation, association or other corporate body having the powers and privileges of corporations not possessed by individuals or partnerships which entity renders a public utility service. The term does not include a municipality or municipal authority.

Public service line—The term includes, but is not limited to, electric transmission lines, gas pipelines, telephone lines, water lines, railroad trackage and other facilities owned or operated by public service corporations.

Public utility service—The rendering of one or more of the following services for the public:

- (i) Gas, electricity or steam production, generation, transmission or distribution.
- (ii) Water diversion, pumping, impoundment or distribution.
- (iii) Railroad transportation of passengers or property.
- (iv) Operation of a canal, turnpike, tunnel, bridge, wharf or similar structure.
- (v) Transportation of natural or artificial gas, crude oil, gasoline or petroleum products, materials for refrigeration or other fluid substances by pipeline or conduit.
- (vi) Telephone or telegraph communications.
- (vii) Sewage collection, treatment or disposal.

Regulated waters of this Commonwealth—Watercourses, streams or bodies of water and their floodways wholly or partly within or forming part of the boundary of this Commonwealth.

Replacement—The construction of a new wetland or restoration of a previously destroyed wetland, or both.

Reservoir—A natural or artificial basin, which contains or will contain the water or other fluid or semifluid impounded by a dam.

Safety—Security from the risk or threat of significant loss or injury to life, health, property and the environment.

Small projects—Water obstructions or encroachments located in a stream or floodplain which will have an insignificant impact on safety and protection of life, health, property and the environment.

Spillway—A device which safely conveys the design flood of a dam without endangering its safety or integrity.

Storage capacity—The volume as expressed in acre-feet of the impounded water to the maximum storage level, that is, the top of the dam.

Stormwater management facilities—anmade measures designed and constructed to convey stormwater runoff away from structures or improved land uses, or to control, detain or manage stormwater runoff to avoid or reduce downstream damages. The term includes, but is not limited to, transportation and related facility drainage systems and manmade stormwater detention basins. The term does not include replacement wetlands or major dams and reservoirs constructed for water supply, recreation, river basin flood control or other regional or basin-wide purposes.

Stream—A watercourse.

Stream crossings—A pipeline, aerial cable or similar structure which is placed in, along, under, across or over the regulated waters of this Commonwealth.

Stream enclosure—A bridge, culvert or other structure in excess of 100 feet in length upstream to downstream which encloses a regulated water of this Commonwealth.

Submerged lands of this Commonwealth—Waters and permanently or periodically inundated lands owned by the Commonwealth, including lands in the beds of navigable lakes and rivers and beds of streams declared public highways which are owned and held in trust by the Commonwealth.

U.S.G.S.—United States Geological Survey.

Watercourse—A channel or conveyance of surface water having defined bed and banks, whether natural or artificial, with perennial or intermittent flow.

Water obstruction—

(i) A dike, bridge, culvert, wall, wingwall, fill, pier, wharf, embankment, abutment or other structure located in, along or across or projecting into a watercourse, floodway or body of water.

(ii) In the case of ponds, lakes and reservoirs, a water obstruction is considered to be in or along the body of water if, at normal pool elevation, the water obstruction is either in the water or adjacent to and abutting the water's edge.

Water Obstructions Act—The act of June 25, 1913 (P. L. 555, No. 355) (32 P. S. §§ 681—691), repealed by section 27 of the act of October 23, 1979 (P. L. 204, No. 70) (32 P. S. § 693.27).

Wetland functions—Include, but are not limited to, the following:

(i) Serving natural biological functions, including food chain production; general habitat; and nesting, spawning, rearing and resting sites for aquatic or land species.

(ii) Providing areas for study of the environment or as sanctuaries or refuges.

(iii) Maintaining natural drainage characteristics, sedimentation patterns, salinity distribution, flushing characteristics, natural water filtration processes, current patterns or other environmental characteristics.

(iv) Shielding other areas from wave action, erosion or storm damage.

(v) Serving as a storage area for storm and flood waters.

(vi) Providing a groundwater discharge area that maintains minimum baseflows.

(vii) Serving as a prime natural recharge area where surface water and groundwater are directly interconnected.

(viii) Preventing pollution.

(ix) Providing recreation.

Wetlands—Areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal

circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs and similar areas.

Wild trout streams—A stream classified as supporting naturally reproducing trout populations by the Fish Commission. For a list of wild trout streams, the Fish Commission can be contacted at: Fish Commission, Bureau of Fisheries, Division of Fisheries Management, 450 Robinson Lane, Bellefonte, Pennsylvania 16823-9616.

Authority

The provisions of this § 105.1 amended under the Dam and Safety Encroachments Act (32 P. S. §§ 693.1–693.27); The Clean Streams Law (35 P. S. §§ 691.1–691.1001); section 7 of the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. § 597); sections 514, 1901-A, 1908-A, 1917-A and 1920-A of The Administrative Code of 1929 (71 P. S. §§ 194, 510-1, 510-8, 510-17 and 510-20); and the Flood Plain Management Act (32 P. S. §§ 679.101–679.601).

Source

The provisions of this § 105.1 adopted September 10, 1971, effective September 11, 1971, 1 Pa.B. 1804; amended August 11, 1978, effective August 28, 1978, 8 Pa.B. 2229; amended October 6, 1978, effective October 7, 1978, 8 Pa.B. 2723; amended November 2, 1979, effective November 3, 1979, 9 Pa.B. 3640; amended September 26, 1980, effective September 27, 1980, 10 Pa.B. 3843; amended February 18, 1983, effective February 19, 1983, 13 Pa.B. 781; amended October 11, 1991, effective October 12, 1991, 21 Pa.B. 4911. Immediately preceding text appears at serial pages (139040), (117637) to (117640) and (141411).

Notes of Decisions

Wild Trout Streams

A permittee failed to show that this section contains an impermissible delegation of authority to the Fish and Boat Commission to determine what is a “wild trout stream.” *Eagle Environmental, L.P. v. Department of Environmental Protection*, 1997 EHB 733.

To the extent that Appellant’s notice of appeal challenged the propriety of the Department of Environmental Protection’s reliance upon the Commission’s classification of wild trout streams in revoking a permit for waste landfill construction, those objections to the Department’s action were reviewable by the Environmental Hearing Board. *Eagle Environmental, L.P. v. Department of Environmental Protection*, 1997 EHB 266.

Cross References

This section cited in 25 Pa. Code § 105.13 (relating to permit applications—information and fees); 25 Pa. Code § 105.14 (relating to review of applications); 25 Pa. Code § 105.20a (relating to wetland replacement criteria); 25 Pa. Code § 105.53 (relating to inspections by owners and inspection reports); and 25 Pa. Code § 105.452 (relating to status of prior converted cropland—statement of policy).

§ 105.2. Purposes.

The purposes of this chapter are to:

- (1) Provide for the comprehensive regulation and supervision of dams, reservoirs, water obstructions and encroachments in the Commonwealth in order to protect the health, safety, welfare and property of the people.

Notes of Decisions

Reservoir was not an “available” alternative supplemental cooling water source within the meaning of 25 Pa. Code § 105.14(b)(7) where there was substantial evidence to support conclusion that such use of the reservoir was technically not feasible, there were legal impediments to such use and it would be unfair to give all unallocated water to one consumptive user. *Del-Aware Unlimited, Inc. v. Department of Environmental Resources*, 508 A.2d 348 (Pa. Cmwlth. 1986).

Cross References

This section cited in 25 Pa. Code § 105.15 (relating to environmental assessment); 25 Pa. Code § 105.18a (relating to permitting of structures and activities in wetlands); 25 Pa. Code § 105.82 (relating to permit applications for operation and maintenance of existing dams and reservoirs); and 25 Pa. Code § 105.442 (relating to authorization for general permits).

§ 105.15. Environmental assessment.

(a) A person may not construct, operate, maintain, modify, enlarge or abandon the following categories of structures or activities until an environmental assessment has been approved in writing by the Department. The environmental assessment shall be on a form provided by the Department and shall include the following information:

(1) For dams, water obstructions or encroachments permitted under this chapter, the Department will base its evaluation on the information required by § 105.13 (relating to permit applications—information and fees) and the factors included in § 105.14(b) (relating to review of applications) and this section.

(2) For dams, water obstructions or encroachments located in, along or projecting into a wetland for which a permit is not otherwise required under this chapter, the Department will base its evaluation on the information required by § 105.13(d) and the factors included in § 105.14(b) and this section.

(3) For dams located in, along or projecting into an exceptional value water as defined in Chapter 93 (relating to water quality standards) for which a permit is not otherwise required under this chapter, the Department will base its evaluation on the information required by the factors included in § 95.1 (relating to general requirements) and §§ 105.13(d) and 105.14(b) and the following information submitted by the applicant:

- (i) The surface area of the impoundment.
- (ii) The height of the dam.
- (iii) The mean depth and maximum depth of the stream at the location of the dam.
- (iv) A description of the release structure.
- (v) The rate of a conservation release.
- (vi) The design of bypass structures.
- (vii) The use of the dam.
- (viii) The material used for construction of the dam.

(b) For structures or activities where water quality certification is required under section 401 of The Clean Water Act (33 U.S.C.A. § 1341), an applicant requesting water quality certification under section 401 shall prepare and submit to the Department for review, an environmental assessment containing the information required by subsection (a) for every dam, water obstruction or encroachment located in, along, across or projecting into the regulated water of this Commonwealth.

(c) Based on the results of the environmental assessment required under subsection (a), the Department may require the applicant to undertake further studies and submit additional information, analyses and reports as found necessary by the Department.

(d) The environmental assessment has been conducted by the Department for all general permits, categories of structures and activities listed in § 105.12(a)(1)—(10) and (12)—(15) (relating to waiver of permit requirements). The environmental assessment has also been conducted for the structures or activities listed in § 105.12(b) or for which water quality certification has been granted for a Nationwide permit regulating the structure or activity and the environmental assessment requirements have been deemed satisfied.

Authority

The provisions of this § 105.15 amended under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27); The Clean Streams Law (35 P. S. §§ 691.1—691.1001); section 7 of the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. § 597); sections 514, 1901-A, 1908-A, 1917-A and 1920-A of The Administrative Code of 1929 (71 P. S. §§ 194, 510-1, 510-8, 510-17 and 510-20); and the Flood Plain Management Act (32 P. S. §§ 679.101—679.601).

Source

The provisions of this § 105.15 adopted September 10, 1971, effective September 11, 1971, 1 Pa.B. 1804; amended August 11, 1978, effective August 28, 1978, 8 Pa.B. 2229; amended September 26, 1980, effective September 27, 1980, 10 Pa.B. 3843; amended October 11, 1991, effective October 12, 1991, 21 Pa.B. 4911. Immediately preceding text appears at serial pages (117651) to (117652).

Cross References

This section cited in 25 Pa. Code § 105.18a (relating to permitting of structures and activities in wetlands); and 25 Pa. Code § 105.442 (relating to authorization for general permits).

§ 105.16. Environmental, social and economic balancing.

(a) If the Department determines that there may be an impact on natural, scenic, historic or aesthetic values of the environment, the Department will consult with the applicant to examine ways to reduce the adverse environmental impact. If, after consideration of mitigation measures, the Department finds that the adverse environmental impact will occur, the Department will evaluate the public benefits of the project to determine whether the public benefits outweigh the environmental harm.

Authority

The provisions of this § 105.16 amended under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1–693.27); The Clean Streams Law (35 P. S. §§ 691.1–691.1001); section 7 of the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. § 597); sections 514, 1901-A, 1908-A, 1917-A and 1920-A of The Administrative Code of 1929 (71 P. S. §§ 194, 510-1, 510-8, 510-17 and 510-20); and the Flood Plain Management Act (32 P. S. §§ 679.101–679.601).

Source

The provisions of this § 105.16 adopted August 11, 1978, effective August 28, 1978, 8 Pa.B. 2229; amended September 26, 1980, effective September 27, 1980, 10 Pa.B. 3843; amended October 11, 1991, effective October 12, 1991, 21 Pa.B. 4911. Immediately preceding text appears at serial pages (117652) to (117654).

Notes of Decisions

Because the petitioner failed to utilize available alternatives, the Department was not required to consider the petitioner's proposed mitigation measures. *Hatchard v. Department of Environmental Resources*, 612 A.2d 621 (Pa. Cmwlth. 1992).

Cross References

This section cited in 25 Pa. Code § 105.442 (relating to authorization for general permits).

§ 105.17. Wetlands.

Wetlands are a valuable public natural resource. This chapter will be construed broadly to protect this valuable resource.

(1) *Exceptional value wetlands.* This category of wetlands deserves special protection. Exceptional value wetlands are wetlands that exhibit one or more of the following characteristics:

(i) Wetlands which serve as habitat for fauna or flora listed as “threatened” or “endangered” under the Endangered Species Act of 1973 (7 U.S.C.A. § 136; 16 U.S.C.A. §§ 4601-9, 460k-1, 668dd, 715i, 715a, 1362, 1371, 1372, 1402 and 1531–1543), the Wild Resource Conservation Act (32 P. S. §§ 5301–5314), 30 Pa.C.S. (relating to the Fish and Boat Code) or 34 Pa.C.S. (relating to the Game and Wildlife Code).

(ii) Wetlands that are hydrologically connected to or located within 1/2-mile of wetlands identified under subparagraph (i) and that maintain the habitat of the threatened or endangered species within the wetland identified under subparagraph (i).

(iii) Wetlands that are located in or along the floodplain of the reach of a wild trout stream or waters listed as exceptional value under Chapter 93 (relating to water quality standards) and the floodplain of streams tributary thereto, or wetlands within the corridor of a watercourse or body of water that has been designated as a National wild or scenic river in accordance with the Wild and Scenic Rivers Act of 1968 (16 U.S.C.A. §§ 1271–1287) or designated as wild or scenic under the Pennsylvania Scenic Rivers Act (32 P. S. §§ 820.21–820.29).

(iv) Wetlands located along an existing public or private drinking water supply, including both surface water and groundwater sources, that maintain the quality or quantity of the drinking water supply.

(v) Wetlands located in areas designated by the Department as “natural” or “wild” areas within State forest or park lands, wetlands located in areas designated as Federal wilderness areas under the Wilderness Act (16 U.S.C.A. §§ 1131—1136) or the Federal Eastern Wilderness Act of 1975 (16 U.S.C.A. § 1132) or wetlands located in areas designated as National natural landmarks by the Secretary of the Interior under the Historic Sites Act of 1935 (16 U.S.C.A. §§ 461—467).

(2) *Other wetlands.* This category includes wetlands not categorized as exceptional value wetlands.

(3) *Permits.* The Department will maintain a list of permit decisions involving wetlands. This list will be a matter of public record and will be available for inspection at the Department’s offices.

Authority

The provisions of this § 105.17 amended under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27); The Clean Streams Law (35 P. S. §§ 691.1—691.1001); section 7 of the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. § 597); sections 514, 1901-A, 1908-A, 1917-A and 1920-A of The Administrative Code of 1929 (71 P. S. §§ 194, 510-1, 510-8, 510-17 and 510-20); and the Flood Plain Management Act (32 P. S. §§ 679.101—679.601).

Source

The provisions of this § 105.17 adopted November 2, 1979, effective November 3, 1979, 9 Pa.B. 3640; amended September 26, 1980, effective September 27, 1980, 10 Pa.B. 3843; amended October 11, 1991, effective October 12, 1991, 21 Pa.B. 4911. Immediately preceding text appears at serial pages (117654) and (126083).

Notes of Decisions

Exceptional Value Wetlands

Wetlands adjacent to corporate water project meet the criteria for “exceptional value” wetlands as defined by this regulation because they: (1) serve as habitat for threatened or endangered plants and animals; (2) there are areas of wetland on the property of the proposed well that are hydro geologically connected to and within one-half mile of wetlands that serve as habitat to endangered and threatened species; and (3) the wetlands are located in or along the floodplain of a wild trout stream or “exceptional value waters.” Therefore, because the Department of Environmental Protection failed to consider the effects of the project on the wetlands and adjacent exceptional value creek, and failed to determine whether the proposed activity was environmentally inconsequential, the permit was remanded for further consideration. *Oley Township v. Department of Environmental Protection*, 1996 EHB 1098.

Standing

In appeal from Environmental Hearing Board adjudication under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1—693.27), Game Commission lacked standing to invoke review under Article I, Section 27 of the Pennsylvania Constitution since Department of Environmental Resources

and not the Game Commission has the duty to protect wildlife under the act. *Game Commission v. Department of Environmental Resources*, 509 A.2d 877 (Pa. Cmwlth. 1986).

Cross References

This section cited in 25 Pa. Code § 105.13 (relating to permit applications—information and fees); 25 Pa. Code § 105.16 (relating to environmental, social and economic balancing); 25 Pa. Code § 105.442 (relating to authorization for general permits); 25 Pa. Code Chapter 105 Appendix E (relating to utility line stream crossings; general permit BDWM-GP-5); 25 Pa. Code Chapter 105 Appendix H (relating to temporary road crossings; general permit BDWM-GP-8); 25 Pa. Code § 250.1 (relating to definitions); 25 Pa. Code § 250.311 (relating to evaluation of ecological receptors); 25 Pa. Code § 271.915 (relating to management practices); 25 Pa. Code § 273.202 (relating to areas where municipal waste landfills are prohibited); 25 Pa. Code § 275.202 (relating to areas where the land application of sewage sludge is prohibited); § 277.202 (relating to areas where construction/demolition waste landfills are prohibited); 25 Pa. Code § 279.202 (relating to areas where transfer facilities are prohibited); 25 Pa. Code § 281.202 (relating to areas where general composting facilities are prohibited); and 25 Pa. Code § 283.202 (relating to areas where resource recovery facilities and other processing facilities are prohibited).

§ 105.18. [Reserved].

Source

The provisions of this § 105.18 adopted September 26, 1980, effective September 27, 1980, 10 Pa.B. 3843; reserved February 18, 1983, February 19, 1983, 13 Pa.B. 781. Immediately preceding text appears at serial pages (59026) to (59027).

§ 105.18a. Permitting of structures and activities in wetlands.

(a) *Exceptional value wetlands.* Except as provided for in subsection (c), the Department will not grant a permit under this chapter for a dam, water obstruction or encroachment located in, along, across or projecting into an exceptional value wetland, or otherwise affecting an exceptional value wetland, unless the applicant affirmatively demonstrates in writing and the Department issues a written finding that the following requirements are met:

- (1) The dam, water obstruction or encroachment will not have an adverse impact on the wetland, as determined in accordance with §§ 105.14(b) and 105.15 (relating to review of applications; and environmental assessment).
- (2) The project is water-dependent. A project is water-dependent when the project requires access or proximity to or siting within the wetland to fulfill the basic purposes of the project.
- (3) There is no practicable alternative to the proposed project that would not involve a wetland or that would have less effect on the wetland, and not have other significant adverse effects on the environment. An alternative is practicable if it is available and capable of being carried out after taking into consideration construction cost, existing technology and logistics. An area not presently owned by the applicant which could reasonably be obtained, utilized, expanded or managed to fulfill the basic purpose of the project shall be considered as a practicable alternative.

(4) The project will not cause or contribute to a violation of an applicable State water quality standard.

(5) The project will not cause or contribute to pollution of groundwater or surface water resources or diminution of resources sufficient to interfere with their uses.

(6) The cumulative effect of this project and other projects will not result in the impairment of the Commonwealth's exceptional value wetland resources.

(7) The applicant shall replace affected wetlands in accordance with § 105.20a (relating to wetland replacement criteria).

(b) *Other wetlands.* Except as provided for in subsection (c), the Department will not grant a permit under this chapter for a dam, water obstruction or encroachment in, along, across or projecting into the wetland which is not an

exceptional value wetland, or otherwise affecting the wetland, unless the applicant affirmatively demonstrates in writing and the Department issues a written finding that the following requirements are met:

(1) The project will not have a significant adverse impact on the wetland, as determined in accordance with §§ 105.14(b) and 105.15. The determination of whether an adverse impact is significant includes an evaluation of the following factors:

(i) The areal extent of the wetland impacts.

(ii) The wetland's values and functions.

(iii) Whether the affected wetlands values and functions are unique to the area or region.

(iv) Comments from other State and Federal environmental agencies concerning the scope and effect of the impact.

(2) Adverse environmental impacts on the wetland will be avoided or reduced to the maximum extent possible.

(3) There is no practicable alternative to the proposed project that would not involve a wetland or that would have less adverse impact on the wetland, and that would not have other significant adverse impacts on the environment. An alternative is practicable if it is available and capable of being carried out after taking into consideration construction cost, existing technology and logistics. An area not presently owned by the applicant which could reasonably be obtained, utilized, expanded or managed to fulfill the basic purpose of the proposed project shall be considered as a practical alternative.

(i) It shall be a rebuttable presumption that there is a practicable alternative, not involving a wetland, to a nonwater-dependent project, and that the alternative would have less adverse impact on the wetland.

(ii) To rebut the presumption, an applicant for a permit under this chapter shall demonstrate with reliable and convincing evidence and documentation and the Department will issue a written finding that the following statements are true:

(A) The basic project purpose cannot be accomplished utilizing one or more other sites that would avoid, or result in less, adverse impact on the wetland.

(B) A reduction in the size, scope, configuration or density of the project as proposed and alternative designs to that of the project as proposed that would avoid, or result in fewer or less severe, adverse impacts on a wetland will not accomplish the basic purpose of the project.

(4) The project will not cause or contribute to a violation of an applicable State water quality standard.

(5) The project will not cause or contribute to pollution of groundwater or surface water resources or diminution of the resources sufficient to interfere with their uses.

Cross References

This section cited in 25 Pa. Code § 105.16 (relating to environmental, social and economic balancing); 25 Pa. Code § 105.21 (relating to criteria for permit issuance and denial); 25 Pa. Code § 105.25 (relating to transfer of permits); and 25 Pa. Code § 105.442 (relating to authorization for general permits).

§ 105.20a. Wetland replacement criteria.

(a) Wetlands replacement shall meet the following general criteria:

(1) *Area ratio.* The wetland shall be replaced at a minimum area ratio of replacement acres to affected acres of 1:1. The Department may require the area ratio to exceed 1:1 based on a determination of the area affected and the functions and values which will be destroyed or adversely affected by the project. For structures or activities constructed without a permit, and for which mitigation, as defined in § 105.1 (relating to definitions), cannot be achieved, the wetland shall be replaced at a minimum area ratio of 2:1 (replacement acres: affected acres). The Department may require the area ratio to exceed 2:1 based on a determination of the area affected and the functions and values which were destroyed or adversely affected by the project.

(2) *Function and value replacement.* Functions and values that are physically and biologically the same as those that are lost shall be replaced at a minimum ratio of 1:1. The Department may require the functions and values ratio to exceed 1:1 based on the area affected and on the functions and values which will be destroyed as adversely affected by the project and the replacement ratio. For structures or activities constructed without a permit, and for which mitigation, as defined in § 105.1, cannot be achieved, the wetland shall be replaced at a minimum area ratio of 2:1. The Department may require the area ratio to exceed 2:1 based on a determination of the area affected and the functions and values which were destroyed or adversely affected by the project.

(3) *Siting criteria.* Replacement shall be located adjacent to the impacted wetland unless an alternative replacement site is approved by the Department. Alternative replacement sites will generally not be approved unless the replacement site is located within the same watershed as the wetland being replaced or within the designated boundaries of the coastal zone management area where the loss occurs.

(b) In addition to the general criteria in subsection (a), the Department will use its guidelines entitled "*Design Criteria for Wetlands Replacement*" in making decisions under this section. These guidelines provide for design, flexibility and utilization of best available technology in environmental engineering. These guidelines are available from the Division of Rivers and Wetlands Conservation, Post Office Box 8761, Harrisburg, Pennsylvania 17105-8761.

Authority

The provisions of this § 105.20a issued under the Dam Safety and Encroachments Act (32 P. S. §§ 693.1–693.27); The Clean Streams Law (35 P. S. §§ 691.1–691.1001); section 7 of the act of June 14, 1923 (P. L. 704, No. 294) (32 P. S. § 597); sections 514, 1901-A, 1908-A, 1917-A and 1920-A of The Administrative Code of 1929 (71 P. S. §§ 194, 510-1, 510-8, 510-17 and 510-20); and the Flood Plain Management Act (32 P. S. §§ 679.101–679.601).

Source

The provisions of this § 105.20a adopted October 11, 1991, effective October 12, 1991, 21 Pa.B. 4911.

Cross References

This section cited in 25 Pa. Code § 105.18a (relating to permitting of structures and activities in wetlands); and 25 Pa. Code § 105.21 (relating to criteria for permit issuance and denial).

PERMIT ISSUANCE, TRANSFER AND REVOCATION**§ 105.21. Criteria for permit issuance and denial.**

(a) In addition to the other requirements of this chapter, a permit application will not be approved unless the applicant demonstrates that the following conditions are met:

(1) The application is complete and accurate.

(2) The proposed project or action complies with the standards and criteria of this title and with other laws administered by the Department, the Fish Commission and river basin commissions created by interstate compact.

(3) The proposed project or action will adequately protect public health, safety and the environment.

(4) The proposed project or action is consistent with the environmental rights and values secured by Pa. Const. Art. I, § 27 and with the duties of the Commonwealth as trustee to conserve and maintain public natural resources of this Commonwealth.

(5) The applicant has not been found to be in continuing violation of this title or other laws administered by the Department, the Fish Commission or a river basin commission, including, but not limited to, a violation of an adjudication and order, agreement, consent order or decree, whether or not the applicant's violation resulted in an order or civil penalty assessment.

(6) The applicant has submitted adequate proof of financial responsibility, if required under § 105.20 (relating to proof of financial responsibility).

(b) A permit issued under this chapter shall be subject to the general and special conditions regarding construction, operation, maintenance, inspection and monitoring of a project or action that the Department may deem necessary to assure compliance with the requirements and purposes of this chapter, the act, the Flood Plain Management Act (32 P. S. §§ 679.101–679.601) and other laws

mit BDWM-GP-7); 25 Pa. Code Chapter 105 Appendix H (relating to temporary road crossings; general permit BDWM-GP-8); 25 Pa. Code Chapter 105 Appendix I (relating to agricultural activities; general permit BDWM-GP-9); 25 Pa. Code Chapter 105 Appendix J (relating to abandoned mine reclamation; general permit BDWW-GP-10); and 25 Pa. Code Chapter 105 Appendix O (relating to private residential construction in wetlands; general permit BDWW-GP-15).

Subchapter M. STATEMENTS OF POLICY

WETLANDS

Sec.

105.451. Identification and delineation of wetlands—statement of policy.

105.452. Status of prior converted cropland—statement of policy.

WETLANDS

§ 105.451. Identification and delineation of wetlands—statement of policy.

(a) This section sets forth the policy of the Department as to the methodology to be used for the identification and delineation of wetlands.

(b) The use of some delineation method is necessary in order to administer, implement, enforce and determine compliance with the act, The Clean Streams Law (35 P. S. §§ 691.1—691.1001), the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1003), the Surface Mining Conservation and Reclamation Act (52 P. S. §§ 1396.1—1396.31), the Pennsylvania Sewage Facilities Act (35 P. S. §§ 750.1—750.20), the Oil and Gas Act (58 P. S. §§ 601.101—601.605) and other applicable statutes administered by the Department and regulations promulgated under these statutes.

(c) The Department adopts and incorporates by reference the 1987 *Corps of Engineers Wetland Delineation Manual (Technical Report Y-87-1)* along with the guidance provided by the United States Army Corps of Engineers, Major General Arthur E. Williams' memorandum dated 6 March 1992, *Clarification and Interpretation of the 1987 Manual* and any subsequent changes as the methodology to be used for identifying and delineating wetlands in this Commonwealth. The 1987 *Corps Wetland Delineation Manual*, Publication No. ADA 176734 is available from the National Technical Information Service (NTIS), Springfield, VA 21161, or telephone: (703) 487-4650. Copies of the Supplemental Guidance issued by the Corps concerning use of the 1987 Manual, (that is, the October 7, 1991, Questions and Answers, and the March 6, 1992, Clarification and Interpretation Memorandum) as well as the Administration's Wetlands Plan of August 24, 1993, may be obtained by contacting the regulatory branch of a local Corps District, or the EPA Wetlands Hotline at (800) 832-7828. For more information, con-

tact Pennsylvania Department of Environmental Protection, Bureau of Dams, Waterways and Wetlands, Post Office Box 8554, Harrisburg, Pennsylvania 17105-8554, telephone (717) 787-6827.

Source

The provisions of this § 105.451 adopted October 27, 1989, effective December 27, 1989, 19 Pa.B. 4612; amended February 2, 1996, effective February 3, 1996, 26 Pa.B. 494. Immediately preceding text appears at serial pages (207778) to (207781).

Cross References

This section cited in 25 Pa. Code § 105.13 (relating to permit applications—information and fees).

§ 105.452. Status of prior converted cropland—statement of policy.

(a) This section sets forth the policy of the Department as to the status of prior converted cropland in this Commonwealth.

(b) The use of some procedure for determining wetlands is necessary in order to administer, implement, enforce and determine compliance with the act, The Clean Streams Law (35 P. S. §§ 691.1—691.1001), the Solid Waste Management Act (35 P. S. §§ 6018.101—6018.1003), the Surface Mining Conservation and Reclamation Act (52 P. S. §§ 1396.1—1396.31), the Pennsylvania Sewage Facilities Act (35 P. S. §§ 750.1—750.20), the Oil and Gas Act (58 P. S. §§ 601.101—601.605) and other applicable statutes administered by the Department and regulations promulgated under these statutes.

(c) Naturally occurring events may result in either creation or alteration of wetlands. It is necessary to determine whether alterations to an area have resulted in changes that are now “normal circumstances” of the particular area. The Department recognizes “prior converted cropland,” as defined in the *National Food Security Act Manual* (180-V-NFSAM, Third Edition, March 1994), as “normal circumstances” as the term is used in the definition of wetlands in § 105.1 (relating to definitions). These prior converted croplands are not regulated as wetlands under the Commonwealth’s Wetland Protection Program contained in this chapter. Prior converted cropland is defined in the *National Food Security Act Manual*, as wetlands that were drained, dredged, filled, leveled or otherwise manipulated, including the removal of woody vegetation, before December 23, 1985, and have not been abandoned, for the purpose of, or to have the effect of making the production of an agricultural commodity possible, and an agricultural commodity was planted or produced at least once prior to December 23, 1985.

(1) Abandonment is the cessation of cropping, forage production or management on prior converted cropland for 5 consecutive years, so that:

- (i) Wetland criteria are met.
- (ii) The area has not been enrolled in a conservation set-aside program.

(Editor's Note: The proposal to amend §§ 93.9a and 93.9v, included in the proposed rulemaking at 27 Pa.B. 4094 has been withdrawn by the Board.)

JAMES M. SEIF,
Chairperson

(Editor's Note: For the text of the order of the Independent Regulatory Review Commission relating to this document, see 29 Pa.B. 5777 (November 6, 1999).)

Fiscal Note: Fiscal Note 7-324 remains valid for the final adoption of the subject regulations.

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

§ 93.9f. Drainage List F.

Delaware River Basin in Pennsylvania
Schuylkill River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Hay Creek	Basin, Source to Unnamed Tributary (UNT) 63882 at River Mile 8.1	Berks	EV	None
4—Unnamed Tributary (63882) to Hay Creek	Basin	Berks	CWF, MF	None
3—Hay Creek	Basin, UNT 63882 to Beaver Run	Berks	CWF, MF	None
4—Beaver Run	Basin	Berks	HQ-CWF, MF	None
3—Hay Creek	Basin, Beaver Run to Birdsboro Boundary	Berks	EV	None
3—Hay Creek	Basin, Birdsboro Boundary to Mouth	Berks	CWF, MF	None

§ 93.9t. Drainage List T.

Ohio River Basin in Pennsylvania
Kiskiminetos River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Bens Creek	Main Stem, Confluence of South and North Forks to Mouth	Cambria	CWF	None
7—Mill Creek	Basin, Source to SR 0271 Bridge	Cambria	EV	None
7—Mill Creek	Basin, SR 0271 Bridge to Mouth	Somerset	HQ-CWF	None
5—Little Conemaugh River	Main Stem, Source to North Branch Little Conemaugh River	Cambria	CWF	None

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
6—Bens Creek	Basin, Source to Unnamed Tributary (UNT) 46100 at River Mile 1.20	Cambria	EV	None
7—Unnamed Tributary (46100) to Bens Creek	Basin	Cambria	CWF	None
6—Bens Creek	Basin, UNT 46100 to UNT 46099 at River Mile 0.74	Cambria	EV	None
7—Unnamed Tributary (46099) to Bens Creek	Basin	Cambria	CWF	None
6—Bens Creek	Basin, UNT 46099 to Mouth	Cambria	CWF	None
* * * * *				
6—South Fork Little Conemaugh River	Basin, Source to Beaverdale Reservoir Dam	Cambria	EV	None
6—South Fork Little Conemaugh River	Main Stem, Beaverdale Reservoir Dam to UNT 45928	Cambria	EV	None
7—Unnamed Tributaries to South Fork Little Conemaugh River	Basins, Beaverdale Reservoir Dam to UNT 45928	Cambria	HQ-CWF	None
7—Bottle Run	Basin	Cambria	HQ-CWF	None
7—Unnamed Tributary (45928) to South Fork Little Conemaugh River	Basin	Cambria	HQ-CWF	None
6—South Fork Little Conemaugh River	Basin, UNT 45928 to SR 0869 Bridge	Cambria	HQ-CWF	None
6—South Fork Little Conemaugh River	Basin, SR 0869 Bridge to Beaverdam Run	Cambria	CWF	None
* * * * *				

[Pa.B. Doc. No. 99-2003. Filed for public inspection November 24, 1999, 9:00 a.m.]

ENVIRONMENTAL QUALITY BOARD
[25 PA. CODE CHS. 121 AND 129]

Mobile Equipment Repair and Refinishing

The Environmental Quality Board (Board) amends § 121.1 and adds § 129.75 (relating to definitions; and mobile equipment repair and refinishing) to read as set forth in Annex A. The changes to § 121.1 add definitions of terms used in the substantive provisions of Chapter 129 (relating to standards for sources). A new § 129.75 establishes requirements to control volatile organic compound (VOC) emissions at mobile equipment repair and refinishing facilities. This notice is given under Board order at its meeting of September 21, 1999.

A. Effective Date

These amendments will be effective upon publication in the *Pennsylvania Bulletin* as final rulemaking.

B. Contact Persons

For further information, contact Terry Black, Chief, Regulation and Policy Development Section, Division of Air Resource Management, Bureau of Air Quality, 12th

Floor, Rachel Carson State Office Building, P. O. Box 8468, Harrisburg, PA 17105-8468, (717) 787-2030, or R. A. Reiley, Assistant Counsel, Bureau of Regulatory Counsel, Office of Chief Counsel, 9th Floor, Rachel Carson State Office Building, P. O. Box 8464, Harrisburg, PA 17105-8464, (717) 787-7060.

C. Statutory Authority

This action is being taken under the authority of section 5(a)(1) of the Air Pollution Control Act (35 P. S. § 4005(a)(1)), which grants to the Board the authority to adopt regulations for the prevention, control, reduction and abatement of air pollution.

D. Background of the Amendments

This final rulemaking establishes controls on the VOC emissions from mobile equipment repair and refinishing facilities. These regulations implement the recommendations of the Southeast and Southwest Pennsylvania Ozone Stakeholder Working Groups. The Southwest Ozone Stakeholders recommended a point of sale regulation that would preclude the sale of noncompliant finishes. The Southeast Ozone Stakeholders recommended limiting the VOC content of automobile refinish material

Compliance Assistance Plan—The Department plans to educate and assist the public with understanding the newly revised requirements and how to comply with them. The *Special Protection Waters Implementation Handbook* was developed as a multipurpose document in November 1992 to provide information and guidance about the development of acceptable point and nonpoint source control measures as a general source for antidegradation implementation policies and procedures. An updated version of the *Handbook* will be prepared to reflect changes in the regulations and requirements for antidegradation waters and will be made widely available to the public, with opportunities for public input and comment.

Public Comments—The public will have limited paper access to the Commonwealth, its political subdivisions and the private sector.

I. Pollution Prevention

The antidegradation program is a major pollution prevention tool because its objective is to prevent degradation by maintaining and protecting existing water quality. Although wastewater discharges are prohibited by the antidegradation program, nondischarge alternatives are encouraged and required, when appropriate. Nondischarge alternatives reduce impacts to the surface water and reduce the overall level of pollution to the environment by remediation of effluent through the soil. Discharges to HQ and EV waters shall evaluate alternative to stream discharge. If most-effective and environmentally sound alternative is available, the discharge shall use the best available combination of cost-effective treatment, land disposal, pollution prevention and wastewater reuse technologies.

J. Sunset Review

The final form regulations will be reviewed in accordance with the schedule published by the Department to determine when the regulations effectively fulfill the goals for which they were promulgated.

K. Regulatory Review

Under section 5(a) of the Regulatory Review Act (71 P.S. § 745.5(a)), on March 10, 1997, the Department submitted a copy of the proposed rulemaking, published at 27 Pa.B. 1459, to the Independent Regulatory Review Commission (IRRC) and the Chairpersons of the Senate and House Environmental Resources and Energy Committees. In addition to submitting the proposed amendments, the Department has provided IRRC and the Committees with a copy of comments received on the proposed regulation, as well as supporting documentation.

During these final-form regulations, the Department has considered all comments received from IRRC and the public. The Committees did not provide comments on the proposed rulemaking.

The final-form regulations were deemed approved by the House Environmental Resources and Energy Committee and the Senate Environmental Resources and Energy Committee on June 9, 1999. The Board met on June 17, 1999, and deemed approved the final-form regulations in accordance with section 5(c) of the Regulatory Review Act.

L. Findings

The Board finds that:

(1) Public notice of proposed rulemaking was given under sections 201 and 202 of the act of July 31, 1968 (P. L. 769, No. 10) (45 P. S. §§ 1201 and 1202) and regulations promulgated thereunder in 1 Pa. Code §§ 7.1 and 7.2.

(2) A public comment period was provided as required by law, and all comments were considered.

The regulations do not change the purpose of the proposal published at 27 Pa.B. 1459.

(4) These final-form regulations and appropriate administration and enforcement of the authorizing acts identified in Section C of this Preamble.

M. Order

The Board acting under the authorizing statutes, orders that:

(a) The regulations of the Department, 25 Pa. Code Chapters 93 and 95, are amended by amending §§ 93.1, 93.3, 93.4, 93.7 and 93.8 to read as set forth in Annex A, with emphasis being to the existing text of the regulations.

The Chairperson of the Board shall submit this order and Annex A to the Office of General Counsel and the Office of Attorney General for approval and review as to legality and form as required by law.

(c) The Chairperson shall submit this order and Annex A to the Senate and House Environmental Resources and Energy Committees as required by the Regulatory Review Act.

The Chairperson of the Board shall carry this order and Annex A and deposit them with the Legislative Reference Bureau, as required.

(e) This order shall take effect immediately upon publication.

JOSEPH M. SHUP

Chairperson

(Editor's Notes: The proposed amendment of §§ 92.81 and 92.83, included in the proposal at 27 Pa.B. 1459 have been withdrawn by the Board. Proposed amendments regarding these sections were included in the proposal at 28 Pa.B. 4431 (August 29, 1998). The proposal to amend §§ 93.9a—93.9z, which also appeared at 27 Pa.B. 1459, has been withdrawn.

For the text of the order of the Independent Regulatory Review Commission relating to this document see 29 Pa.B. 3492 (July 3, 1999).

Fiscal Note: Fiscal Note 7-310 remains valid for the final adoption of the subject regulations.

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

§ 93.1. Definitions.

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

* * * * *

Class A wild trout water—A surface water classified by the Fish and Boat Commission, based on species-specific biomass standards, which supports a population of naturally produced trout of sufficient size and abundance to support a long-term and rewarding sport fishery.

Coordinated water quality protective measures—

(i) Legally binding sound land use water quality protective measures coupled with an interest in real estate which expressly provide long-term water quality protection of a watershed corridor.

(ii) Sound land use water quality protective measures include: surface or groundwater source protection zones, enhanced stormwater management measures, wetland protection zones or other measures which provide extraordinary water quality protection. Real estate interests include:

- (A) Fee interests.
- (B) Conservation easements.
- (C) Government owned riparian parks or natural areas.
- (D) Other interests in land which enhance water quality in a watershed corridor area.

Exceptional Value Waters—Surface waters of high quality which satisfy § 93.4b(b) (relating to antidegradation).

High Quality Waters—Surface waters having quality which exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water by satisfying § 93.4b(a).

Nonpoint source—A pollution source which is not a point source discharge.

Outstanding National, State, regional or local resource water—A surface water for which a National or State government agency has adopted water quality protective measures in a resource management plan, or regional or local governments have adopted coordinated water quality protective measures along a watershed corridor.

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

State game propagation and protection area—An area established by the Game Commission for the propagation and protection of game or wildlife wherein game or wildlife may not be hunted, pursued, disturbed, molested, killed or taken at any time except as authorized by the Game Commission.

Surface water of exceptional ecological significance—A surface water which is important, unique or sensitive ecologically, but whose water quality as measured by traditional parameters (for example, chemical, physical or biological) may not be particularly high, or whose character cannot be adequately described by these parameters. These waters include:

- (i) Thermal springs.
- (ii) Wetlands which are exceptional value wetlands under § 105.17(1) (relating to wetlands).

Surface water of exceptional recreational significance—A surface water which provides a water-based, water

quality-dependent recreational opportunity (such as fishing for species with limited distribution) because there are only a limited number of naturally occurring areas and waterbodies across the State where the activity is available or feasible.

Water quality protective measures in a resource management plan—Measures in a resource management plan which expressly provide extraordinary long-term water quality protection of a watershed corridor. These measures include surface or groundwater source protection zones, enhanced stormwater management measures or wetland protection zones.

Wilderness trout stream—A surface water designated by the Fish and Boat Commission to protect and promote native trout fisheries and maintain and enhance wilderness aesthetics and ecological requirements necessary for the natural reproduction of trout.

§ 93.3. Protected water uses.

Water uses which shall be protected, and upon which the development of water quality criteria shall be based, are set forth, accompanied by their identifying symbols, in the following Table 1.

Table 1

<i>Symbol</i>	<i>Protected Use</i>
<i>Aquatic Life</i>	
CWF	<i>Cold Water Fishes</i> —Maintenance or propagation, or both, of fish species including the family Salmonidae and additional flora and fauna which are indigenous to a cold water habitat.
WWF	<i>Warm Water Fishes</i> —Maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
MF	<i>Migratory Fishes</i> —Passage, maintenance and propagation of anadromous and catadromous fishes and other fishes which ascend to flowing waters to complete their life cycle.
TSF	<i>Trout Stocking</i> —Maintenance of stocked trout from February 15 to July 31 and maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat.
<i>Water Supply</i>	
PWS	<i>Potable Water Supply</i> —Used by the public as defined by the Federal Safe Drinking Water Act, 42 U.S.C.A. § 300F, or by other water users that require a permit from the Department under the Pennsylvania Safe Drinking Water Act (35 P. S. §§ 721.1—721.18), or the act of June 24, 1939 (P. L. 842, No. 365) (32 P. S. §§ 631—641), after conventional treatment, for drinking, culinary and other domestic purposes, such as inclusion into foods, either directly or indirectly.
IWS	<i>Industrial Water Supply</i> —Use by industry or inclusion into nonfood products, processing and cooling.
LWS	<i>Livestock Water Supply</i> —Use by livestock and poultry for drinking and cleansing.
AWS	<i>Wildlife Water Supply</i> —Use for waterfowl habitat and for drinking and cleansing by wildlife.

IRS *Irrigation*—Used to supplement precipitation for growing crops.

Recreation

B *Boating*—Use of the water for power boating, sail boating, canoeing and rowing for recreational purposes when surface water flow or impoundment conditions allow.

F *Fishing*—Use of the water for the legal taking of fish.

WC *Water Contact Sports*—Use of the water for swimming and related activities.

E *Esthetics*—Use of the water as an esthetic setting to recreational pursuits.

Special Protection

HQ *High Quality Waters*

EV *Exceptional Value Waters*

Other

N *Navigation*—Use of the water for the commercial transfer and transport of persons, animals and goods.

§ 93.4. Statewide water uses.

(a) *Statewide water uses.* The uses set forth in Table 2 were considered in determining the water quality criteria applicable to the particular waters listed in § 93.9 (relating to designated water uses and water quality criteria) except where otherwise indicated in § 93.9.

TABLE 2

Symbol	Use
	Aquatic Life
WWF	Warm Water Fishes
	Water Supply
PWS	Potable Water Supply
IWS	Industrial Water Supply
LWS	Livestock Water Supply
AWS	Wildlife Water Supply
IRS	Irrigation
	Recreation
B	Boating
F	Fishing
WC	Water Contact Sports
E	Esthetics

(b) *Less restrictive uses.* Less restrictive uses than those currently designated for particular water listed in § 93.9 may be adopted when it is demonstrated that the designated use is more restrictive than the existing use and one or more of the following conditions exist:

(1) The designated use is not attainable because of natural background conditions.

(2) The designated use is not attainable because of irretrievable man-induced conditions.

(3) Application of effluent limitations for existing sources more stringent than those required under section 301 of the Water Pollution Control Act (33 U.S.C.A. § 1311), to attain the designated use, would result in substantial and widespread adverse economic and social impact.

(c) *Redesignation of water.* Waters considered for redesignation may not be redesignated to less restrictive uses than the existing uses.

ANTIDegradation REQUIREMENTS

§ 93.4a. Antidegradation.

(a) *Scope.* This section applies to surface waters of this Commonwealth.

(b) *Existing use protection for surface waters.* Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.

(c) *Protection for High Quality Waters*—The water quality of High Quality Waters shall be maintained and protected, except as provided in § 93.4c(b)(1)(iii) (relating to implementation of antidegradation requirements).

(d) *Protection for Exceptional Value Waters*—The water quality of Exceptional Value Waters shall be maintained and protected.

§ 93.4b. Qualifying as High Quality or Exceptional Value Waters.

(a) *Qualifying as a High Quality Water.* A surface water that meets one or more of the following conditions is a High Quality Water.

(1) Chemistry.

(i) The water has long-term water quality, based on at least 1 year of data which exceeds levels necessary to support the propagation of fish, shellfish and wildlife and recreation in and on the water by being better than the water quality criteria in § 93.7, Table 3 (relating to specific water quality criteria) or otherwise authorized by § 93.8a(b) (relating to toxic substances), at least 99% of the time for the following parameters:

dissolved oxygen	aluminum
iron	dissolved nickel
dissolved copper	dissolved cadmium
temperature	pH
dissolved arsenic	ammonia nitrogen
dissolved lead	dissolved zinc

(ii) The Department may consider additional chemical and toxicity information, which characterizes or indicates the quality of a water, in making its determination.

(2) Biology. One or more of the following shall exist:

(i) Biological assessment qualifier.

(A) The surface water supports a high quality aquatic community based upon information gathered using peer-reviewed biological assessment procedures that consider physical habitat, benthic macroinvertebrates or fishes based on *Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish*, Plafkin, et al., (EPA/444/4-89-001), as updated and amended. The surface water is compared to a reference stream or watershed, and an integrated benthic macroinvertebrate score of at least 83% shall be attained by the referenced stream or watershed.

(B) The surface water supports a high quality aquatic community based upon information gathered using other widely accepted and published peer-reviewed biological assessment procedures that the Department may approve to determine the condition of the aquatic community of a surface water.

(C) The Department may consider additional biological information which characterizes or indicates the quality of a water in making its determination.

(ii) *Class A wild trout stream qualifier.* The surface water has been designated a Class A wild trout stream by the Fish and Boat Commission following public notice and comment.

(b) *Qualifying as an Exceptional Value Water.* A surface water that meets one or more of the following conditions is an Exceptional Value Water:

(1) The water meets the requirements of subsection (a) and one or more of the following:

(i) The water is located in a National wildlife refuge or a State game propagation and protection area.

(ii) The water is located in a designated State park natural area or State forest natural area, National natural landmark, Federal or State wild river, Federal wilderness area or National recreational area.

(iii) The water is an outstanding National, State, regional or local resource water.

(iv) The water is a surface water of exceptional recreational significance.

(v) The water achieves a score of at least 92% (or its equivalent) using the methods and procedures described in subsection (a)(2)(i)(A) or (B).

(vi) The water is designated as a "wilderness trout stream" by the Fish and Boat Commission following public notice and comment.

(2) The water is a surface water of exceptional ecological significance.

§ 93.4c. Implementation of antidegradation requirements.

(a) *Existing use protection.*

(1) *Procedures.*

(i) Existing use protection shall be provided when the Department's evaluation of information (including data gathered at the Department's own initiative, data contained in a petition to change a designated use submitted to the EQB under § 93.4d(a), or data considered in the context of a Department permit or approval action) indicates that a surface water attains or has attained an existing use.

(ii) The Department will inform persons who apply for a Department permit or approval which could impact a surface water, during the permit or approval application or review process, of the results of the evaluation of information undertaken under subparagraph (i).

(iii) Interested persons may provide the Department with additional information during the permit or approval application or review process regarding existing use protection for the surface water.

(iv) The Department will make a final determination of existing use protection for the surface water as part of the final permit or approval action.

(2) *Endangered or threatened species.* If the Department has confirmed the presence, critical habitat, or critical dependence of endangered or threatened Federal or Pennsylvania species in or on a surface water, the Department will ensure protection of the species and critical habitat.

(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.

(i) *Nondischarge alternatives/use of best technologies.*

(A) A person proposing a new, additional or increased discharge to High Quality or Exceptional Value Waters shall evaluate nondischarge alternatives to the proposed discharge and use an alternative that is environmentally sound and cost-effective when compared with the cost of the proposed discharge. If a nondischarge alternative is not environmentally sound and cost-effective, a new, additional or increased discharge shall use the best available combination of cost-effective treatment, land disposal, pollution prevention and wastewater reuse technologies.

(B) A person proposing a new, additional or increased discharge to High Quality or Exceptional Value Waters, who has demonstrated that no environmentally sound and cost-effective nondischarge alternative exists under clause (A), shall demonstrate that the discharge will maintain and protect the existing quality of receiving surface waters, except as provided in subparagraph (iii).

(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:

(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 (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).

(iii) *Social or economic justification (SEJ) in High Quality Waters.* The Department may allow a reduction of water quality in a High Quality Water if it finds, after full satisfaction of the intergovernmental coordination and public participation provisions of the Commonwealth's continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. A reduction in water quality will not be allowed under this subparagraph unless the discharger demonstrates that the High Quality Water will support applicable existing and designated water uses (other than the high quality and exceptional value uses) in § 93.3, Table 1 (relating to protected water uses).

(2) *Nonpoint source control.* The Department will assure that cost-effective and reasonable best management practices for nonpoint source control are achieved.

(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 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 Dis-

charge Elimination System (NPDES) permit review stage under Chapter 92 (relating to National Pollutant Discharge Elimination System), 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.

(2) SEJ for sewage facilities in High Quality Waters correcting existing public health or pollution hazards. A sewage facility, for which no environmentally sound and cost-effective nondischarge alternative is available under subsection (b)(1)(i)(A), proposed to discharge into High Quality Waters, which is designed for the purpose of correcting existing public health or pollution hazards documented by the Department, and approved as part of an official plan or official plan revision under § 71.32 (relating to Department responsibility to review and act upon official plans), satisfies the SEJ requirements in subsection (b)(1)(iii).

(3) Public participation requirements for official sewage facilities plans or revisions to official plans in High Quality or Exceptional Value Waters. A proponent of a sewage facility in High Quality or Exceptional Value Waters seeking approval of an official plan or revision shall comply with the public participation requirements in § 71.53(d)(6) (relating to municipal administration of new land development planning requirements for revisions).

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

(a) Public notice of receipt of evaluation, 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 notice of receipt of a complete evaluation 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 or assessment.

(b) Combined public meeting and fact-finding hearing. As part of its review of an evaluation or performance of an assessment, the Department may hold a combined public meeting and fact finding hearing to discuss the evaluation or assessment, including the methodology for the evaluation or assessment, and may solicit information, including technical data, to be considered in the Department's evaluation or assessment.

(c) Submission to EQB to alter designated use. Upon the completion of its assessment or review of a complete evaluation, and the satisfaction of the other applicable requirements of this section, the Department will submit the results of its assessment or review to the EQB for proposed rulemaking following review and comment by the petitioner, if applicable, in accordance with Chapter 23 (relating to Environmental Quality Board policy for processing petitions—statement of policy).

§ 93.7. Specific water quality criteria.

* * * * *

(e) Table 5 contains groups of specific water quality criteria based upon water uses to be protected. When the symbols listed in Table 5 appear in the Water Uses Protected column in §§ 93.9a—93.9z, they have the meaning listed in the Table 5. 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 5

Symbol	Water Uses Included	Specific Criteria
WWF	Statewide list	Statewide list plus DO ₂ and Temp ₂
CWF	Statewide list plus Cold Water Fish	Statewide list plus DO ₁ and Temp ₁
TSF	Statewide list plus Trout Stocking	Statewide list plus DO ₃ and Temp ₃

* * * * *

~~CHAPTER 95. WASTEWATER TREATMENT REQUIREMENTS~~

~~§ 95.1. General requirements.~~

~~Specific treatment requirements and effluent limitations for each waste discharge shall be established based on the more stringent of antidegradation requirements under §§ 93.4a—93.4d (relating to antidegradation requirements), the water quality criteria specified in Chapter 93 (relating to water quality standards), the applicable treatment requirements and effluent limitations to which a discharge is subject under section 101 of the Federal Water Pollution Control Act (33 U.S.C.A. § 1251) or the treatment requirements and effluent limitations of this title provided that specific treatment requirements and effluent limitations for waste discharges from overflows as defined in § 94.1 (relating to definitions) shall be established based on applicable treatment requirements and effluent limitations to which the discharge is subject under 33 U.S.C.A. §§ 1251—1387).~~

~~Pa.B. Doc. No. 99-1123. Filed for public inspection July 16, 1999, 9:00 a.m.]~~

~~Title 58—RECREATION~~

~~GAME COMMISSION~~

~~[58 PA. CODE CH. 135]~~

~~Use of ATVs on State Game Lands~~

~~To effectively manage the wildlife resources of this Commonwealth, the Game Commission (Commission) at its June 8, 1999, meeting, adopted the following changes:~~

~~Amend Chapter 135, Subchapter C (relating to State game lands) by adding eight new sections to allow the use of all-terrain vehicles (ATVs) on designated State game land roads for persons who hold a valid disabled person permit to hunt from a vehicle.~~

~~These regulations are adopted under the authority of 34 Pa.C.S. (relating to Game and Wildlife Code) (code).~~

RULES AND REGULATIONS

Title 25—ENVIRONMENTAL PROTECTION

ENVIRONMENTAL QUALITY BOARD

[25 PA. CODE CH. 93]

(Correction)

Antidegradation

An error occurred in the document adopting § 93.4c(1) which appeared at 29 Pa.B. 3730, 3733 (July 17, 1999). The language "SEJ" (social or economic justification) was inadvertently omitted from the first sentence. The correct version of § 93.4c(1) appears in Annex A, with ellipses referring to the existing text of the section.

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

§ 93.4c. Implementation of antidegradation requirements.

(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 92 (relating to National Pollutant Discharge Elimination System), 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.

* * * * *

[Pa.B. Doc. No. 99-1123. Filed for public inspection July 16, 1999, 9:00 a.m.]

Environmental Protection Agency

§ 131.33

Davidson Canyon
UPPER GILA RIVER BASIN
Chase Creek

(c) To implement the requirements of R18-11-108.A.5 with respect to effects of mercury on wildlife, EPA (or the State with the approval of EPA) shall implement a monitoring program to assess attainment of the water quality standard.

(Sec. 303, Federal Water Pollution Control Act, as amended, 33 U.S.C. 1313, 86 Stat. 816 *et seq.*, Pub. L. 92-500; Clean Water Act, Pub. L. 92-500, as amended; 33 U.S.C. 1251 *et seq.*)

[41 FR 25000, June 22, 1976; 41 FR 48737, Nov. 5, 1976. Redesignated and amended at 42 FR 56740, Oct. 28, 1977. Further redesignated and amended at 48 FR 51408, Nov. 8, 1983; 61 FR 20693, May 7, 1996]

§ 131.32 Pennsylvania.

(a) *Antidegradation policy.* This antidegradation policy shall be applicable to all waters of the United States within the Commonwealth of Pennsylvania, including wetlands.

(1) Existing in-stream uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.

(2) Where the quality of the waters exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water, that quality shall be maintained and protected unless the Commonwealth finds, after full satisfaction of the inter-governmental coordination and public participation provisions of the Commonwealth's continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. In allowing such degradation or lower water quality, the Commonwealth shall assure water quality adequate to protect existing uses fully. Further, the Commonwealth shall assure that there shall be achieved the highest statutory and regulatory requirements for all new and existing point sources and all cost-effective and reasonable best management practices for nonpoint sources.

(3) Where high quality waters are identified as constituting an outstanding National resource, such as waters of National and State parks and

wildlife refuges and water of exceptional recreational and ecological significance, that water quality shall be maintained and protected.

(b) [Reserved]

[61 FR 64822, Dec. 9, 1996]

§ 131.33 Idaho.

(a) *Temperature criteria for bull trout.*

(1) Except for those streams or portions of streams located in Indian country, or as may be modified by the Regional Administrator, EPA Region X, pursuant to paragraph (a)(3) of this section, a temperature criterion of 10 °C, expressed as an average of daily maximum temperatures over a seven-day period, applies to the waterbodies identified in paragraph (a)(2) of this section during the months of June, July, August and September.

(2) The following waters are protected for bull trout spawning and rearing:

(i) BOISE-MORE BASIN: Devils Creek, East Fork Sheep Creek, Sheep Creek.

(ii) BROWNLEE RESERVOIR BASIN: Crooked River, Indian Creek.

(iii) CLEARWATER BASIN: Big Canyon Creek, Cougar Creek, Feather Creek, Laguna Creek, Lolo Creek, Orofino Creek, Talapus Creek, West Fork Potlatch River.

(iv) COEUR D'ALENE LAKE BASIN: Cougar Creek, Fernan Creek, Kid Creek, Mica Creek, South Fork Mica Creek, Squaw Creek, Turner Creek.

(v) HELLS CANYON BASIN: Dry Creek, East Fork Sheep Creek, Getta Creek, Granite Creek, Kurry Creek, Little Granite Creek, Sheep Creek.

(vi) LEMHI BASIN: Adams Creek, Alder Creek, Basin Creek, Bear Valley Creek, Big Eightmile Creek, Big Springs Creek, Big Timber Creek, Bray Creek, Bull Creek, Cabin Creek, Canyon Creek, Carol Creek, Chamberlain Creek, Clear Creek, Climb Creek, Cooper Creek, Dairy Creek, Deer Creek, Deer Park Creek, East Fork Hayden Creek, Eighteenmile Creek, Falls Creek, Ferry Creek, Ford Creek, Geertson Creek, Grove Creek, Hawley Creek, Hayden Creek, Kadletz Creek, Kenney Creek, Kirtley Creek, Lake Creek, Lee Creek, Lemhi River (above Big Eightmile Creek), Little Eightmile Creek, Little Mill Creek, Little Timber