

RULES AND REGULATIONS

Title 25—ENVIRONMENTAL PROTECTION

DEPARTMENT OF ENVIRONMENTAL PROTECTION [25 PA. CODE CH. 93]

Corrective Amendment to 25 Pa. Code § 93.7(c) Table 3

The Department of Environmental Protection has discovered a discrepancy between the agency text of 25 Pa. Code § 93.7(c), Table 3 (relating to specific water quality criteria) as deposited with the Legislative Reference Bureau and as published at 24 Pa.B. 832 (February 12, 1994) and the official text as published in the *Pennsylvania Code Reporter* (Master Transmittal Sheet No. 252). When the amendments made by the Department at 24 Pa.B. 832 were codified, the formula in § 93.7(c) Table 3 contained a typographical error.

Therefore, under 45 Pa.C.S. § 901: The Department of Environmental Protection has deposited with the Legislative Reference Bureau a corrective amendment to 25 Pa. Code § 93.7(c) Table 3. The corrective amendment to 25

Pa. Code § 93.7(c) Table 3 is effective as of November 4, 1995, the date the defective official text was announced in the *Pennsylvania Bulletin*.

The correct version of 25 Pa. Code § 93.7(c) Table 3 appears in Annex A, with ellipses referring to the existing text of the regulation.

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

§ 93.7. Specific water quality criteria.

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(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
		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 (NH ₃ -N) × (log ⁻¹ [pK _T -pH] + 1), where: un-ionized ammonia nitrogen = 0.025 × f(T)/f(pH)	

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>
		$f(\text{pH}) = 1, \text{pH} \geq 7.7$	
		$f(\text{pH}) = 10^{0.74(7.7-\text{pH})}, \text{pH} < 7.7$	
		$f(T) = 1, T \geq 10^\circ\text{C}$	
		$f(T) = \frac{1 + 10^{(9.73-\text{pH})}}{1 + 10^{(\text{pK}_T-\text{pH})}}, T < 10^\circ\text{C}$	

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