

ARC 0940B

ENVIRONMENTAL PROTECTION COMMISSION[567]

Adopted and Filed

Pursuant to the authority of Iowa Code sections 455B.105 and 455B.173, the Environmental Protection Commission amends Chapter 61, "Water Quality Standards," Iowa Administrative Code.

The amendments as adopted by the Environmental Protection Commission on August 20, 2001, establish the Class A (primary contact recreation) use designations for eight waterbodies or waterbody segments; establish a Class C (drinking water supply) use designation for Mystic Reservoir (Appanoose County); and establish numerical criteria for endosulfan, bromoform, chlorodibromomethane, chloroform, and dichlorobromomethane.

Notice of Intended Action was published in the February 7, 2001, Iowa Administrative Bulletin as ARC 0470B. Six public hearings were held and notice of the hearings was sent to various individuals, organizations, associations, interest groups, and to statewide news network organizations. Com-

ments were received from 36 persons and organizations and a petition was received with 48 signatures. One respondent, the Iowa Environmental Council, endorsed all the changes while the remainder objected to one or more changes. Most objected to the removal of the drainage ditch maintenance exemption to the antidegradation policy. A responsiveness summary has been prepared addressing the comments received and the summary may be obtained from the Department of Natural Resources.

The only difference between the adopted amendments and the proposed amendments as published in the Notice is the proposed change to the antidegradation policy. The Commission did not take any action to remove, as proposed in the Notice, or to otherwise revise a provision in the antidegradation policy that exempts the repair and maintenance of drainage district ditches from the policy. The Commission directed Department staff to have the Water Quality Standards Technical Advisory Committee address this provision and make recommendations for future rule revisions.

These amendments are intended to implement Iowa Code chapter 455B, division III, part 1.

These amendments will become effective October 24, 2001.

The following amendments are adopted.

ITEM 1. Amend subrule 61.3(3), Table 1, "Criteria for Chemical Constituents," by amending the introductory paragraph, adding new entries for the following compounds and associated criteria in the proper alphabetical sequence, modifying the entry for "endosulfan," and amending the footnotes as follows:

Table 1: Criteria for Chemical Constituents

(all values as micrograms per liter unless noted otherwise)

Human health criteria for carcinogenic parameters noted below were based on the prevention of an incremental cancer risk of 1 in 100,000. For parameters not having a noted human health criterion, the U.S. Environmental Protection Agency has not developed final national human health guideline values. For noncarcinogenic parameters, the recommended EPA criterion was selected. For Class C waters, the EPA criteria for fish and water consumption were selected using the same considerations for carcinogenic and noncarcinogenic parameters as noted above. For Class C waters for which no EPA human health criteria were available, the EPA MCL value was selected.

Parameter		Use Designations				
		B(CW)	B(WW)	B(LR)	B(LW)	C
Bromoform	Human Health — F & W	—	—	—	—	43
Chlorodibromomethane	Human Health — F & W	—	—	—	—	4.1
Chloroform	Human Health — F & W	—	—	—	—	57
Dichlorobromomethane	Human Health — F & W	—	—	—	—	5.6
Endosulfan ^(b)	Chronic	.056	.15	.15	.15	—
	Acute	.11	.3	.3	.3	—
	Human Health + — Fish	2400 240	2400 240	2400 240	2400 240	—
	Human Health + — F & W	—	—	—	—	110

* units expressed as milligrams/liter

** to include the sum of known and suspected carcinogenic PAHs

† expressed as nanograms/liter

+ represents the noncarcinogenic human health parameters

++ The concentrations of 4,4-DDT or its metabolites; 4,4-DDE and 4,4-DDD, individually shall not exceed the human health criteria.

(a) units expressed as million fibers/liter (longer than 10 micrometers)

(b) includes alpha-endosulfan, beta-endosulfan, and endosulfan sulfate in combination or as individually measured

(c) total trihalomethanes includes the sum of bromodichloromethane, dibromochloromethane, tribromomethane (bromoform), and trichloromethane (chloroform)

ENVIRONMENTAL PROTECTION COMMISSION[567](cont'd)

	A	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ	HQR
17. Big Cr. Confluence with Saunders Branch (Henry Co.) to confluence with Brandywine Creek (S29, T72N, R6W, Henry Co.)	X		X					
17a. Big Cr. Confluence with Brandywine Creek (S29, T72N, R6W, Henry Co.) to confluence with Lawrence Creek (S5, T71N, R5W, Henry Co.)			X					
35. South Skunk R. Ames Waterworks Dam (S36, T84N, R24W, Story Co.) to North line S6, T85N, R23W, Story Co.	X	X						X
Iowa-Cedar River Basins								
94. Dry Run Mouth (S18, T89N, R13W, Black Hawk Co.) to confluence with an unnamed tributary (S23, T89N, R14W, Black Hawk Co.)	X		X					
Northeastern Iowa River Basins								
8. Duck Cr. Mouth (S27, T78N, R4E, Scott Co.) to Co. Rd. (Section 16-21, T78N, R3W, Scott Co.)	X		X					
8a. Duck Cr. Co. Rd. (Section 16-21, T78N, R3W, Scott Co.) to confluence with unnamed tributary (SE 1/4, S14, T78N, R2E, Scott Co.)			X					

Amend the table of lakes by amending entries 9a and 254 as follows:

County	Lake Name	Location R. T. S.	Water Uses						
			A	B(WW)	B(LR)	B(LW)	B(CW)	C	HQ
<u>Appanoose</u>									
9a	Mystic Reservoir	18 69 8	X			X		X	
<u>O'Brien</u>									
254	Mill Creek (Lake)	41 95 3	X			X			

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EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 9/19/01.