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REPORT

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CORMIX1: AN EXPERT SYSTEM FOR HYDRODYNAMIC MIXING ZONE ANALYSIS OF CONVENTIONAL AND TOXIC SUBMERGED SINGLE PORT DISCHARGES

by

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Table 1.4 State Legal Mixing Zones

Source: Draft Technical Guidance Manual for the Regulations Promulgated Pursuant To Section 301(g) (USEPA 1984)

State	Water Body	Dimensions
Alabama	0	0
Alaska	river,streams	<= 1/3 CS
	lakes	<= 10% SA
Arizona	NR	NR
Arkansas	large streams	<=1/4 CS
California	0	0
Colorado	0	0
Connecticut	streams	<=1/4 CS
Delaware	streams	<=1/3 CS
	lakes	<=10% SA
D.C.	estuary	<=10% SA
Georgia	0	0
Florida	streams,rivers	<=800 meters
		<=10% total length
	lakes, estuaries	<=125,600 m**2 (600' radius)
		<=10% SA
Hawaii	0	0
Idaho	0	0
Illinois	all	<=600' radius
	streams	<=1/4 CS
Indiana	streams	<=1/4 CS
Iowa	streams	<=1/4 CS
Kansas	streams	<=1/4 CS
Kentucky	streams	<=1/3 CS
Louisiana	streams	<=1/4 CS
Maine	streams	<=1/4 CS
Maryland	0	0
Massachusetts	0	0
Michigan	streams	<=1/4 CS
	Lake Michigan	<=1000' radius
Minnesota	streams	<=1/4 CS
Mississippi	0	0
Missouri	streams	<= 1/4 CS
Montana	0	0
Nebraska	0	0
New Jersey	streams	<=1/4 CS (thermal)
New Hampshire	streams<=1/4 CS	
New Mexico	streams	<=1/4 CS
New York streams	<=1/2	CS (thermal)

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Table 1.4 (Continued)

State	Water Body	Dimensions
Nevada	streams	<=1/3 CS
North Carolina	0	0
North Dakota	streams	<=1/4 CS
Ohio	receiving watercourse	<=1/3 CS
	mouth of receiving	<=1/5 CS
Oklahoma	streams	<=1/4 CS
Oregon	0	0
Pennsylvania	NR	NR
Rhode Island	streams	<=1/4 CS (thermal)
South Carolina	0	0
S. Dakota	streams	<=3/4 CS or 100 yds of stream's width
Tennessee	0	0
Texas	streams	<=1/4 CS
Utah	0	0
Vermont	streams	<=1/4 CS
Virginia	0	0
Washington	0	0
W. Virginia	warm water fish streams	<=33% CS, length <=10*width
	cold water fish streams	<=20% CS, length <=5*width
	lakes	<=300' any direction
Wisconsin	streams	<=1/4 CS
Wyoming	0	0
Guam	0	0
Puerto Rico	streams	<=1/4 CS IMZ<= 400 ' FMZ<= 4000 '
Virgin Islands	streams	<= 1/4 CS

Where:

CS = cross-sectional area
NR = no reference
IMZ = initial mixing zone
SA = surface area
0 = not listed
FMZ = Final mixing zone