



# Dechlorination

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# WSER

- Wastewater Systems Effluent Regulations
- Part of the Federal Fisheries Act

# Deleterious Substances

5 For the purpose of the definition deleterious substance in subsection 34(1) of the Act, the following substances or classes of substances are prescribed as deleterious substances:

- (a) carbonaceous biochemical oxygen demanding matter;
- (b) suspended solids;
- (c) **total residual chlorine** 0.02mg/L
- (d) un-ionized ammonia.

# Dechlorination

- Accomplished by adding reducing agents such as:
  - Sulfur Dioxide
  - Sodium Bisulfite
  - Sodium Sulfite
  - Sodium Metabisulfite
  - Sodium Thiosulfate

# Dechlorination Pucks



# Diffusers



# Diffusers



# Blankets



# Questions ?