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37. Chlorination

Recommended Actions:

- (1) WLSSD should proceed with plans to discontinue chlorination for a period of time to conduct studies of the alternatives to the use of free chlorine for disinfection.
- (2) The City of Superior should examine alternatives to chlorination at their wastewater treatment plant.

Implementors:

WLSSD, MPCA, City of Superior.

Actions Taken:

4/8/98: Letter sent to City of Superior, MPCA, WLSSD.

11/00: Superior Wastewater Treatment Plant: At this time chlorine gas is being used. There are no regulations that prohibit its use. In anticipation of future regulations the Assistant Supervisor for Operations is gathering information on alternatives such as UV radiation.

11/00: WLSSD: A temporary variance was issued and expired in 1995. A permanent variance to continue the non-chlorination project was granted in 1996 and will remain in effect for the life of the permit (5 years) and will be requested for the next permit.

9/01: WLSSD is not chlorinating or disinfecting at this time. WLSSD's variance allows the District to discontinue disinfection unless conditions trigger the need, in which case WLSSD will resume chlorination. The triggers include high bacteria counts downstream, plant upset, high turbidity in the effluent, and bacteria detected in drinking water intakes.

Project Status:

Project not completed, but there are one or more agencies currently working on it.