

Clearwater BioLogic LLC

Reducing sulfate from mining impacted point sources to meet the 10 ppm Wild Rice Sulfate Standard is totally possible, and at a much lower cost than previously believed. Clearwater BioLogic has developed a system that can remove high levels of sulfate in mining discharge water to well below the 10 ppm sulfate standard. This system relies on natural biological sulfate reduction and treatment with reduced iron. There are no toxic chemicals used. The costs vary from site to site, but the total cost for removal of 600 ppm to below the current standard is estimated at well below \$0.005/gallon with relatively minimal upfront capital investment.

Remediation of high sulfate concentrations in mining discharged waters is good for downstream water quality and also provides good paying jobs in NE Minnesota on the Iron Range.

There is no need for site-specific variances on the Minnesota wild rice sulfate standard because the standard can be met with existing technology developed in Minnesota for Minnesota.

See more at ClearwaterBioLogic.com