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Delafield-Hartland

Water Pollution Control Commission

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Delafield-Hartland Water Pollution Control 2009 Annual Chloride Report

The Delafield-Hartland WPCC customers now have the brochure "Water Softeners and the Environment" posted on their web sites. In 2010 Delafield-Hartland WPCC plans on having its own web site so we can put more information about this subject and others pertaining to the plant.

Four consecutive daily composite samples are collected each month and analyzed for chlorides. In the month of August corresponding samples were collected from each of our customers to see the impact they have individually.

2009

EFFLUENT FLOW		CHLORIDES	POUNDS
JANUARY	1.898	605	9577
FEBRUARY	1.906	625	9935
MARCH	2.128	537.5	9539
APRIL	2.111	480	8451
MAY	2.127	495	8781
JUNE	2.051	472.5	8082
JULY	1.882	462.5	7259
AUGUST	1.948	462.5	7514
SEPTEMBER	1.821	500	7594
OCTOBER	1.768	470	6930
NOVEMBER	1.703	595	8451
DECEMBER	1.657	397.5	5493
TOTALS	23	6102.5	97606
AVERAGE	1.917	508.5	8130

The average pounds discharged on a daily basis for 2009 was 8130 lbs.

The August supplemental testing of our customers for influent chlorides was as follows:

August 10, Summit: 680 mg/l, Del-Hart: 490 mg/l
August 11, Hartland: 330 mg/l, Del-Hart: 460 mg/l
August 13, Nashotah: 380 mg/l, Del-Hart: 470 mg/l

The City of Delafield discharges at many locations in our interceptor sewer, making it impossible to sample separately

The Triad Group, Inc. located in Hartland is our only industrial waste discharge to the plant. When they first came on their chlorides averaged 1100 mg/l because they used aluminum chloride in the pretreatment process. Since then I have asked them to try something else, the chemical company that designed the system had them use aluminum chlorohydrate. After they switched the average chlorides through November have come down to 600.5 mg/l. There is more room for improvement but it is a step in the right direction.

Sincerely,

Scott Luczak
General Manager