

Ann Diers

From: Ann Bleed [ableed@dnr.state.ne.us]
Sent: Tuesday, December 06, 2005 5:24 PM
To: Ann Diers
Subject: FW: Industrial Water Use - Attachment Included This Time

-----Original Message-----

From: lash chaffin [mailto:lashc@lonm.org]
Sent: Tuesday, December 06, 2005 3:24 PM
To: 'Kent O Miller'; dsmith@mnrnd.org; 'Ted Cook'; 'Steven Huggenberger'; 'Ron Bishop'; 'Patrick Heath'; Lash Chaffin; 'John Turnbull'; 'Gary Mader'; 'Ed Schrock'; 'Don Kraus'; 'David Cookson'; 'Dan Crouchley'; 'Curt Friesen'; 'Clint Johannes'; 'Brian Barel'; 'Dean Edson'; 'Don Blankenau'; 'Ann Bleed'; 'Ted Cook'; 'BLANKENAU, DON'; 'Bob Rager'; 'Chris Anderson'; 'Dan Crouchley'; 'Dean Skokan'; 'Dennis Smith'; 'Gary Mader'; 'Jack Vavra'; 'John Heil'; 'Jordan Ball'; 'Mike Lucas'; 'Pat Heath'; 'Steve Huggenburger'; 'Steve Kelley'; 'Steve Krajewski'
Cc: Gary Krumland; Mary Sommermeyer; L.Lynn Rex
Subject: Industrial Water Use - Attachment Included This Time

Attached is a spreadsheet that I have prepared on water use of "large industries." Many of these industries are a little squeamish about the release of this data, so please use caution how you distribute the data. If you have questions about a specific industry, give me a call, I might have more information.

Lash

12/6/2005

DNR 014514

Type of Industry	Type of Use	Usage - gallons per year
Food Processor	Food Processing	74,000,000
Medical Manufacturer	Industrial	517,000,000
Golf Course	Irrigation/Domestic	125,000,000
Meter Manufacturer	Industrial	50,359,848
Food Processor	Food Processing	65,854,668
Bagel Plant	Food Processing	6,429,060
Pork Processor	Food Processing	240,000,000
Oat Processor	Food Processing	16,425,000
Bread Plant	Food Processing	14,465,000
Rubber Part Processor	Industrial	2,444,464
Beef Processor	Food Processing	224,400,000
Pork Processor	Food Processing	127,160,000
Manufacturing	Industrial	89,760,000
Bottling	Industrial	58,344,000
Baking	Food Processing	26,928,000
Fertilizer Plant	Ag Processing	800,000,000
Ethanol Plant	Ag Processing	428,356,412
Meat Processing	Food Processing	138,139,892
Meat Packing	Food Processing	38,769,588
Hose Manufacturer	Industrial	38,689,380
Pivot Manufacturer	Industrial	3,491,664
Ethanol Plant	Ag Processing	176,400,000
Beef Processor	Ag Processing	1,042,706,000
Ethanol Plant	Ag Processing	175,000,000
Wet Corn Milling	Ag Processing	2,900,000,000
College	Domestic + Power	429,168,740
State of Nebraska	Domestic	206,281,944
Soybean Processing	Ag Processing	290,939,088
Tire Manufacturer	Industrial	231,434,940
Large Hospital	Domestic	103,048,968
Large School District	Domestic	101,833,584
Cold Storage	Industrial	36,597,045
Aviation Part Manufacturer	Industrial	23,887,650
Pipe Extrusion	Industrial	21,249,375

Note: Most of these examples include only wastewater flow.
Some industries also discharge into the stormwater system, which might not be included in

Discharge/Recharge % return

	60,000,000	81.08%
	515,000,000	99.61%
High %		
	22,795,300	45.26%
close to 100%		
close to 100%		

close to 100%

	196,008,164	45.76%
	38,769,588	28.07%
	31,911,206	82.48%
	1,992,672	57.07%

Uses surface water

	333,815,196	77.78%
	176,499,576	85.56%
	108,335,084	37.24%
	85,019,924	82.50%
	77,694,760	76.30%
	35,735,325	97.65%
	22,011,900	92.15%
	21,249,375	100.00%

the discharge number.