

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			NoDis			NoDis			NoDis	
Flow	mgd	CalQtrAve			NoDis			NoDis			NoDis			NoDis	
pH	9.0 SU	InstantMax			NoDis			NoDis			NoDis			NoDis	
pH	6.0 SU	InstantMin			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	mg/L	SingleVal									NoDis			NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalQtrAve			NoDis			NoDis							
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			NoDis			NoDis			NoDis			NoDis	

Surface Discharge Station SD002 (Pipe Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	15.9	14.43	15.98	46.7	135.5	101.3	48.2	116.68	23.4	15.98	48	33.7	51.314
Flow	mgd	CalMoAvg	0.52	0.52	0.52	1.56	4.4	3.38	1.55	3.76	0.78	0.51	1.6	1.5	1.717
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	0.26	0.67	0.40	0.14	0.26	0.74	0.54	0.164	0.316	0.831	0.0604	<0.05	0.398
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	0.77	1.57	1.77	0.19	0.36	1.33	0.54	0.164	0.316	0.831	0.0604	<0.05	0.718
Mercury, Total (as Hg)	ng/L	SingleVal									0.8			1.0	0.9
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Oil & Grease, Total Recoverable (Hexane Extraction)	2.0 mg/L	CalMoAvg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve									<0.5			<0.5	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5			<0.5	
pH	8.5 SU	InstantMax	7.5	7.5	7.2	8.3	8.1	8.1	7.6	7.8	7.4	7.1	7.6	7.2	7.617
pH	6.5 SU	InstantMin	7.3	6.9	7.0	7.0	7.9	7.8	7.6	7.8	7.4	7.1	7.6	7.2	7.383
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	9.4	21.5	15.6	12.2	21.5	8.5	2.4	18	4.8	9.2	10	11.6	12.058
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	14.8	24	17.2	13.2	22	10.4	2.4	18	4.8	9.2	10	11.6	13.133
Specific Conductance	umh/cm	SingleVal			617			318			6945			674	2,138.5
Temperature, Water (F)	Deg F	CalMoAvg			34.2	38.6	52.1	64.4	66	65	56	49			53.163
Temperature, Water (F)	Deg F	DailyMax			35	46.0	52.1	65	66	65	56	49			54.263
Turbidity	25 NTU	CalMoAvg	58.0	82.4	71.6	19.3	19.2	14.2	14.98	17.76	14.67	21.3	73.2	64.0	39.218
Turbidity	NTU	DailyMax	90	134	81.3	25	26	17	17	18	16.0	34.6	74.4	64.2	49.792
Zinc, Total (as Zn)	mg/L	CalMoAvg			<25			<25							

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

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Surface Discharge Station SD002 (Pipe Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Zinc, Total (as Zn)	mg/L	DailyMax			<25			<25							

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	133.9	136.1	150.7	181.4	136.1	168.5	129.6	82.08	116.6	72.5	103.6	107.1	126.515
Flow	mgd	CalMoAvg	4.32	4.86	4.86	6.05	4.39	5.62	4.18	2.65	3.88	2.33	3.4	3.4	4.162
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.09	<0.05	<0.05		<0.05	<0.05	0.075
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.09	<0.05	<0.05		<0.05	<0.05	0.075
Mercury, Total (as Hg)	ng/L	SingleVal									5.2			1.4	3.3
Oil & Grease, Total Recoverable (Hexane Extraction)	2.0 mg/L	CalMoAvg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5							
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve									<0.5			<0.5	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5			<0.5	
pH	8.5 SU	InstantMax	7.3	7.3	7.1	7.0	7.6	7.4	6.9	7.3	7.4		7.9	7.0	7.291
pH	6.5 SU	InstantMin	7.3	7.3	7.1	7.0	7.6	7.4	6.9	7.3	7.4		7.9	7.0	7.291
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			<1			<1							
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve									8.5			2.4	5.45
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			<1			<1			14.4			2.4	8.4
Specific Conductance	umh/cm	SingleVal			439			420			503			483	461.25
Turbidity	25 NTU	CalMoAvg	0.45	1.3	<0.05	0.55	1.4	4.1	13	23	59		4.2	6.6	11.36
Zinc, Total (as Zn)	mg/L	DailyMax			<25			<25							

Waste Stream Station WS004 (Station 901 And 902 Combined Loadings)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.09	0.10	0.02	0.05	0.04	0.04							0.057
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCalWkAvg	0.1	0.11	0.02	0.10	0.08	0.08							0.082
Nitrogen, Total (as N)	kg/day	CalMoAvg	1.2	1.1	0.24	1.03	0.96	1.02							0.925
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.31	0.21	0.05	0.14	0.21	0.24							0.193
Solids, Total Suspended (TSS)	6.8 kg/day	MxCalWkAvg	0.53	0.24	0.05	0.24	0.38	0.43							0.312

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Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg							0.02	0.06	0.10	0.75	0.32	0.06	0.218
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCaIWkAvg							0.02	0.06	0.18	1.04	0.35	0.09	0.29
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	2.2	3.2	3.7	2.0	2.1	2.0	2.3	2.7	3.0	5.0	2.3	2.5	2.75
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaIWkAvg	2.4	3.3	4.0	2.0	2.2	2.0	2.6	3.0	3.0	6.0	2.6	3.0	3.008
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn			2.0	2.0	15.0	2.0	2.0	2.0	2.0	2.0			3.625
Flow	MG	CalMoTot	0.327	0.179	0.159	0.315	0.240	0.224	0.152	0.170	0.588	0.979	0.848	0.187	0.364
Flow	mgd	CalMoAvg	0.011	0.006	0.005	0.011	0.008	0.007	0.005	0.005	0.020	0.032	0.028	0.006	0.012
Flow	mgd	MxCaIWkAvg	0.020	0.014	0.021	0.021	0.040	0.018	0.018	0.014	0.050	0.046	0.038	0.013	0.026
Nitrogen, Total (as N)	mg/L	CalMoAvg	31.0	34.0	63.0	41.0	49.0	45.0	38.0	23.3	25.0	7.0	6.39	41.3	33.666
pH	9.0 SU	InstantMax	7.2	7.7	6.7	7.7	7.4	6.7	7.2	7.2	7.0	7.5	7.4	7.2	7.242
pH	6.0 SU	InstantMin	7.2	6.8	6.7	5.3	7.0	6.6	7.0	6.9	6.7	6.9	7.1	6.7	6.742
Phosphorus, Total (as P)	mg/L	CalMoAvg	3.7	3.2	8.2	4.3	5.6	5.8	4.22	7.3	3.1	1.12	0.92	4.5	4.33
Phosphorus, Total (as P)	mg/L	MxCaIWkAvg	3.7	3.3	9.0	4.5	6.1	6.0	4.4	2.38	4.46	1.4	0.94	5.1	4.273
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg							0.07	0.17	0.16	4.95	1.35	0.21	1.152
Solids, Total Suspended (TSS)	6.8 kg/day	MxCaIWkAvg							0.07	0.26	0.16	6.1	1.50	0.34	1.405
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	8.2	7.0	13.2	8.2	9.4	11.2	12.2	9.0	12.0	32.3	9.6	7.2	11.625
Solids, Total Suspended (TSS)	45 mg/L	MxCaIWkAvg	14.0	7.2	14.0	11.6	10.0	12.0	18.0	14.0	20.8	35.0	10.4	7.6	14.55

Waste Stream Station WS006 (Station 902)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn			NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Flow	MG	CalMoTot	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Flow	mgd	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Flow	mgd	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Nitrogen, Total (as N)	mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
pH	9.0 SU	InstantMax	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
pH	6.0 SU	InstantMin	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Phosphorus, Total (as P)	mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Phosphorus, Total (as P)	mg/L	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	

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Waste Stream Station WS006 (Station 902)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Solids, Total Suspended (TSS)	45 mg/L	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo

Waste Stream Station WS007 (Weir station 903)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot				1.31	0.94	0.42							0.89
Flow	mgd	CalMoAvg				0.04	0.03	0.01							0.027

Waste Stream Station WS008 (Pipe Station 904)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot				121.2	67.6	112.0							100.267
Flow	mgd	CalMoAvg				4.04	2.18	3.73							3.317

Waste Stream Station WS009 (Pipe Station 920)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot			3.35			3.24							3.295
Flow	mgd	CalMoAvg			0.11			0.11							0.11

Waste Stream Station WS010 (Pipe Station 950)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot			69.1			142.0							105.55
Flow	mgd	CalMoAvg			2.22			4.73							3.475

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal							29.5	27.3	24.3	28.9	33.1	29.7	28.8
Flow	MG	CalMoTot							23.5	19.81	16.9	14.5	18.2	25.6	19.752
Flow	mgd	CalMoAvg							0.78	0.61	0.56	0.46	0.60	0.82	0.638
Fluoride, Total (as F)	mg/L	SingleVal							1.3	1.25	1.6	1.16	0.97	1.69	1.328

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Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
pH	SU	SingleVal							8.5	8.9	8.7	8.3	8.7	7.6	8.45
Specific Conductance	umh/cm	SingleVal							695	609	602	737	673	715	671.833
Sulfate, Total (as SO4)	mg/L	SingleVal							81.8	77.8	82.1	73.7	80.7	94.8	81.817

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal							406	666	776		686	414	589.6
Flow	MG	CalMoTot							16.9	13.31	10.8	14.3	13.3	19.5	14.685
Flow	mgd	CalMoAvg							0.55	0.42	0.36	0.46	0.44	0.63	0.477
Fluoride, Total (as F)	mg/L	SingleVal							12.2	10.8	9.2		11.1	15.8	11.82
Mercury, Total (as Hg)	ng/L	SingleVal									1010			641	825.5
pH	SU	SingleVal							8.9	10.3	10.1		10.4	10.3	10.0
Specific Conductance	umh/cm	SingleVal							2450	2470	3000		3020	2030	2,594.0
Sulfate, Total (as SO4)	mg/L	SingleVal							1240	1600	2020		1580	925	1,473.0

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			NoDis			NoDis			NoDis	
Flow	mgd	CalQtrAve			NoDis			NoDis			NoDis			NoDis	
pH	9.0 SU	InstantMax			NoDis			NoDis			NoDis			NoDis	
pH	6.0 SU	InstantMin			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	mg/L	SingleVal			NoDis			NoDis			NoDis			NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			NoDis			NoDis			NoDis			NoDis	

Surface Discharge Station SD002 (Weir Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	12.77	23.06	24.6	44.64	33.75	15.47	33.45	98.3	37.41	98.25	24.71	25.53	39.328
Flow	mgd	CalMoAvg	0.41	0.82	0.80	1.49	1.09	0.52	1.09	3.17	1.25	3.17	0.82	0.82	1.288
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	2.1	<0.05	0.61	0.28	0.084	0.56	<0.05	<0.05	<0.05	<0.05	<0.05	0.32	0.659
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	2.1	<0.05	1.2	0.28	0.084	0.56	<0.05	<0.05	<0.05	<0.05	<0.05	0.32	0.757
Mercury, Total (as Hg)	ng/L	SingleVal			<0.5			1.9			<0.5			1.2	1.55
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.5			<0.5			<0.5			<0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.5			<0.5			<0.5			<0.4	
pH	8.5 SU	InstantMax	7.8	6.8	6.9	7.7	7.9	7.8	8.0	7.6	7.5	7.6	7.8	7.4	7.567
pH	6.5 SU	InstantMin	7.8	6.8	6.8	7.3	7.9	7.8	8.0	7.6	7.5	7.6	7.8	7.4	7.525
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	17.5	18	17.5	19.5	15	5.6	7.0	8.7	14	7.0	10.0	11.0	12.567
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	17.5	18	17.5	19.5	15	5.6	7.0	8.7	14	7.0	10.0	11.0	12.567
Specific Conductance	umh/cm	SingleVal			784			752			721			671	732.0
Temperature, Water (F)	Deg F	CalMoAvg			37	46.1	58.2	61.6	68	58.6	57.4	46.85			54.219
Temperature, Water (F)	Deg F	DailyMax			39	52	59	62	68	61	62	50			56.625
Turbidity	25 NTU	CalMoAvg	92	98.45	44.63	42.6	48.7	9.24	18.2	20.3	16.42	18.07	24	59.1	40.976
Turbidity	NTU	DailyMax	92	110	82.5	60	63.8	13	20.2	22	21.1	22	31	64.2	50.15

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	55.3	72.6	72.6	3.24	80.35	77.76	51.84	80.3	77.76	80.35	62.21	80.35	66.222

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	mgd	CalMoAvg	1.78	2.6	2.34	0.11	2.59	2.59	1.67	2.59	2.59	2.59	2.07	2.59	2.176
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	0.166	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.166
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	0.166	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.166
Mercury, Total (as Hg)	ng/L	SingleVal			1.7			3.8			1.5			1.5	2.125
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.5			<0.5			<0.5			<0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.5			<0.5			<0.5			<0.4	
pH	8.5 SU	InstantMax	7.6	7.3	6.9	6.9	7.2	7.5	7.7	7.6	7.8	7.5	7.7	7.5	7.433
pH	6.5 SU	InstantMin	7.6	7.3	6.9	6.9	7.2	7.5	7.7	7.6	7.8	7.5	7.7	7.5	7.433
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			2			3.0			1.5			3.5	2.5
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			2			3.0			1.5			3.5	2.5
Specific Conductance	umh/cm	SingleVal			527			702			547			570	586.5
Turbidity	25 NTU	CalMoAvg	5.7	2.7	7.4	10	3.9	5.3	5.7	2.0	4.2	1.4	3.1	2.6	4.5

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.9	0.36	0.19	0.08	0.12	0.17	0.044	0.01	0.05	0.014	0.14	0.05	0.177
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCalWkAvg	0.10	0.50	0.23	0.08	0.15	0.24	0.08	0.01	0.05	0.02	0.25	0.05	0.147
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	3.0	9.1	4.3	2.8	3.0	3.0	3.0	3.0	3.0	3.0	7.0	3.0	3.933
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCalWkAvg	3.0	10.0	5.6	3.0	3.0	3.0	3.0	3.0	3.0	4.0	11.0	3.0	4.55
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				2.0	2.0	2.0	2.0	2.0	2.0	2.0			2.0
Flow	MG	CalMoTot	0.304	0.281	0.341	0.312	0.0346	0.370	0.163	0.039	0.143	0.064	0.120	0.154	0.194
Flow	mgd	CalMoAvg	0.010	0.010	0.011	0.010	0.011	0.012	0.005	0.001	0.005	0.002	0.004	0.005	0.007
Flow	mgd	MxCalWkAvg	0.028	0.018	0.016	0.019	0.015	0.032	0.032	0.002	0.012	0.005	0.007	0.007	0.016
Nitrogen, Total (as N)	mg/L	CalMoAvg	28.0	27.3	39.0	48.0	45.0	44.2	24.4	31.0	39.3	40.0	20.0	17.4	33.633
pH	9.0 SU	InstantMax	7.1	6.4	6.6	6.5	7.6	7.2	7.5	7.7	7.4	7.0	7.3	7.6	7.158
pH	6.0 SU	InstantMin	7.0	6.4	6.6	6.5	6.8	7.0	7.2	7.0	7.2	7.0	7.1	7.5	6.942
Phosphorus, Total (as P)	mg/L	CalMoAvg	2.4	3.7	3.62	4.8	6.82	6.2	1.4	2.8	4.68	4.6	2.4	1.96	3.782
Phosphorus, Total (as P)	mg/L	MxCalWkAvg	0.08	4.7	3.69	5.12	8.38	6.86	1.5	2.95	5.09	5.7	2.92	2.03	4.085
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.32	0.74	0.7	0.28	0.38	0.21	0.8	0.04	0.19	0.10	0.33	0.25	0.362
Solids, Total Suspended (TSS)	6.8 kg/day	MxCalWkAvg	0.33	1.2	1.13	0.39	0.51	0.34	0.13	0.04	0.22	0.11	0.58	0.41	0.449
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	10.2	18.0	17.0	10.0	7.8	6.1	6.2	9.0	12.2	24.2	18.2	12.0	12.575

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Solids, Total Suspended (TSS)	45 mg/L	MxCaLWkAvg	10.8	25.2	27.2	14.8	10.4	11.2	7.6	11.2	14.4	28.0	25.6	18.0	17.033

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	42.7	38.7	41.8	42.1	35.2	26.6	33.6	27.3	31	29.1	35	34.9	34.833
Flow	MG	CalMoTot	22.9	23.87	26.11	20.70	20.06	24.75	26.41	22.72	21.16	21.40	17.71	21.57	22.447
Flow	mgd	CalMoAvg	0.74	0.85	0.84	0.70	0.65	0.83	0.85	0.73	0.71	0.69	0.59	0.70	0.74
Fluoride, Total (as F)	mg/L	SingleVal	1.37	2.11	2.42	1.39	1.53	1.82	1.25	1.26	1.12	1.54	0.74	1.05	1.467
pH	SU	SingleVal	8.1	8.0	7.9	7.9	8.1	8.4	8.6	8.7	8.7	8.3	8.3	8.1	8.258
Specific Conductance	umh/cm	SingleVal	830	928	1200	1080	725	981	761	716	719	723	661	745	839.083
Sulfate, Total (as SO4)	mg/L	SingleVal	84.5	114	138	95.3	94.6	106	87.0	94.1	91.8	97.9	91.4	102	99.717

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	480	464	533	564	580	480	442	523	481	389	435	217	465.667
Flow	MG	CalMoTot	17.3	18.53	19.4	13.91	12.96	15.75	16.82	15.62	12.18	12.28	11.90	12.29	14.912
Flow	mgd	CalMoAvg	0.55	0.66	0.63	0.46	0.42	0.52	0.54	0.50	0.41	0.396	0.40	0.39	0.49
Fluoride, Total (as F)	mg/L	SingleVal	13.5	9.67	13.3	14	10.5	10.8	11.5	11.1	11.4	12.6	11.9	11.0	11.772
Mercury, Total (as Hg)	ng/L	SingleVal			564			205			695			846	577.5
pH	SU	SingleVal	10.1	8.8	9.8	10.9	10.6	11.3	10.2	10.5	9.8	9.4	9.4	9.4	10.017
Specific Conductance	umh/cm	SingleVal	2360	2740	3130	3460	2580	3330	2170	2360	2420	2340	2120	1630	2,553.333
Sulfate, Total (as SO4)	mg/L	SingleVal	915	1320	1270	1500	1320	872	995	1160	1180	1070	1190	711	1,125.25

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			NoDis			NoDis			NoDis	
Flow	mgd	CalQtrAve			NoDis			NoDis			NoDis			NoDis	
pH	9.0 SU	InstantMax			NoDis			NoDis			NoDis			NoDis	
pH	6.0 SU	InstantMin			NoDis			NoDis			NoDis			NoDis	
Phosphorus, Total (as P)	mg/L	SingleVal			NoDis			NoDis			NoDis			NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			NoDis			NoDis			NoDis			NoDis	

Surface Discharge Station SD002 (Weir Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	25.34	6.01	25.53	108.46	41.96	24.71	70.89	70.89	68.60	38.66	6.22	72.58	46.654
Flow	mgd	CalMoAvg	0.82	0.21	0.82	3.62	1.35	0.82	2.29	2.29	2.29	1.25	0.21	2.34	1.526
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	0.71	0.769	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.067	0.177
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	0.71	0.769	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.067	0.177
Mercury, Total (as Hg)	ng/L	SingleVal			0.2			0.5			1.0			1.9	0.9
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.01
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			0.4			0.4			0.4			0.4	0.4
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			0.4			0.4			0.4			4.4	1.4
pH	8.5 SU	InstantMax	7.7	7.4	6.6	7.8	8.0	8.0	8.0	8.0	7.8	7.9	8.2	7.5	7.742
pH	6.5 SU	InstantMin	7.7	7.4	6.6	7.8	8.0	8.0	8.0	8.0	7.8	7.9	8.2	7.5	7.742
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	7.2	12.0	15.6	5.6	6.4	5.6	4.4	4	4.8	6.4	1.5	5.6	6.592
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	7.2	12.0	15.6	5.6	6.4	5.6	4.4	4	4.8	6.4	1.5	5.6	6.592
Specific Conductance	umh/cm	SingleVal			744			752			651			442	647.25
Temperature, Water (F)	Deg F	CalMoAvg			33	39.59	47.82	57	66	66.37	50.26	44.5			50.567
Temperature, Water (F)	Deg F	DailyMax			34	41.0	51.0	57	66	67	51	45			51.5
Turbidity	25 NTU	CalMoAvg	61.9	56.7	58.8	37.55	24.67	16.4	21.9	10.32	19.39	12.8	19.45	41.4	31.773
Turbidity	NTU	DailyMax	66.6	66.8	79.0	38.7	25.3	17.6	30	11.2	20.5	13.1	24.5	49.2	36.875

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	80.35	75.17	77.76	77.76	80.35	125.28	133.92	113.92	129.60	133.92	129.60	99.37	104.75

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	mgd	CalMoAvg	2.59	2.59	2.51	2.59	2.59	4.18	4.32	4.32	4.32	4.32	4.32	3.21	3.488
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	<0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	<0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Mercury, Total (as Hg)	ng/L	SingleVal			0.9			0.8			1.2			1.3	1.05
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			0.4			0.4			0.4			0.4	0.4
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			0.4			0.4			0.4			0.4	0.4
pH	8.5 SU	InstantMax	7.5	7.2	7.0	7.3	7.4	7.8	7.6	7.6	7.6	8.1	8.3	7.3	7.558
pH	6.5 SU	InstantMin	7.5	7.2	7.0	7.3	7.4	7.8	7.6	7.6	7.6	8.1	8.3	7.3	7.558
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			2.4			1.2			1.0			1.0	1.4
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			2.4			1.2			1.0			1.0	1.4
Specific Conductance	umh/cm	SingleVal			496			457			575			407	483.75
Turbidity	25 NTU	CalMoAvg	3.7	1.1	1.5	2.9	2.9	1.5	2.7	2.4	1.7	2.5	2.2	1.0	2.175

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.04	0.15	0.02	0.15	0.07	0.07	0.13	0.21	0.31	0.30	0.25	0.22	0.16
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCalWkAvg	0.04	0.21	0.03	0.21	0.1	0.08	0.25	0.35	0.41	0.42	0.27	0.22	0.216
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	2.8	8.0	4.4	6.0	3.0	2.0	3.0	4.0	4.5	3.0	3.0	3.0	3.892
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCalWkAvg	3.6	8.0	8.0	9.6	3.4	2.0	4.0	5.2	6.0	3.0	3.0	3.0	4.9
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				2.0	2.0	2.0	2.0	2.0	2.0	2.0			2.0
Flow	MG	CalMoTot	0.160	0.146	0.083	0.120	0.238	0.297	0.362	0.579	0.644	0.878	0.695	0.420	0.385
Flow	mgd	CalMoAvg	0.005	0.005	0.003	0.004	0.008	0.009	0.117	0.019	0.021	0.028	0.023	0.014	0.021
Flow	mgd	MxCalWkAvg	0.017	0.011	0.005	0.004	0.023	0.015	0.021	0.023	0.041	0.055	0.037	0.022	0.023
Nitrogen, Total (as N)	mg/L	CalMoAvg	14.0	12.5	19.0	32.0	29.0	19.0	27.1	10.0	6.25	4.5	8.0	6.6	15.663
pH	9.0 SU	InstantMax	7.4	7.4	7.6	8.1	8.2	7.5	7.6	7.7	7.5	8.0	8.1	7.6	7.725
pH	6.0 SU	InstantMin	7.3	7.3	6.7	8.0	7.5	6.8	7.0	7.5	7.3	7.7	7.7	7.5	7.358
Phosphorus, Total (as P)	mg/L	CalMoAvg	1.58	1.41	2.4	2.7	2.6	2.22	3.11	1.5	1.1	0.76	0.88	0.94	1.767
Phosphorus, Total (as P)	mg/L	MxCalWkAvg	1.69	1.69	3.0	2.9	2.73	2.48	3.84	1.53	1.2	0.95	1.06	1.07	2.012
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.06	0.12	0.03	0.2	0.29	0.49	0.50	1.4	1.01	0.71	0.32	0.42	0.463
Solids, Total Suspended (TSS)	6.8 kg/day	MxCalWkAvg	0.06	0.14	0.06	0.21	0.5	0.62	0.94	2.5	1.5	1.1	0.40	0.43	0.705
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	4.4	6.4	9.0	10.0	10.0	16.2	12.0	22.0	15.0	7.0	3.8	5.8	10.133

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Solids, Total Suspended (TSS)	45 mg/L	MxCaLWkAvg	5.6	7.6	16.0	13.6	16.0	16.4	15.6	36.8	22.0	7.6	4.4	6.0	13.967

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	32.6	41.6	51.8	47.2	36.4	30.6	32	29	28.8	31.5	36.4	41.4	36.608
Flow	MG	CalMoTot	18.96	20.37	26.85	16.07	19.42	23.05	23.22	23.18	22.67	21.19	23.98	7.06	20.502
Flow	mgd	CalMoAvg	0.61	0.70	0.87	0.54	0.63	0.77	0.75	0.75	0.76	0.68	0.80	0.23	0.674
Fluoride, Total (as F)	mg/L	SingleVal	1.71	1.27	1.17	2.17	1.05	2.14	1.53	1.4	1.3	1.38	1.12	1.32	1.463
pH	SU	SingleVal	8.1	7.9	7.1	8.1	8.3	8.8	8.3	8.7	8.6	8.5	8.5	8.3	8.267
Specific Conductance	umh/cm	SingleVal	814	835	830	908	633	517	658	612	487	521	724	596	677.917
Sulfate, Total (as SO4)	mg/L	SingleVal	123	113	108	147	96.2	104	114	106	99.3	100	98.9	109	109.867

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	437	840	787	318	564	545	527	71.2	364	536	438	211	469.85
Flow	MG	CalMoTot	12.27	12.99	11.73	4.63	13.93	17.51	17.70	17.48	15.85	15.62	19.83	6.60	13.845
Flow	mgd	CalMoAvg	0.40	0.45	0.38	0.15	0.45	0.58	0.57	0.56	0.53	0.50	0.66	0.21	0.453
Fluoride, Total (as F)	mg/L	SingleVal	13.3	11.8	10.3	10.9	11.6	10.5	10.9	12.4	12.7	11.8	10.7	19.7	12.217
Mercury, Total (as Hg)	ng/L	SingleVal			138			67			141			476	205.5
pH	SU	SingleVal	9.5	9.4	9.8	10.3	8.3	10.6	9.2	8.7	9.6	10.1	8.9	9.3	9.475
Specific Conductance	umh/cm	SingleVal	2270	3370	3170	2580	2541	1991	2380	8440	1300	1810	2120	1070	2,753.5
Sulfate, Total (as SO4)	mg/L	SingleVal	1080	1960	1930	1390	1520	1520	1480	250	929	1300	1250	548	1,263.083

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			NoDis			2.40			NoDis	2.4
Flow	mgd	CalQtrAve			NoDis			NoDis			0.03			NoDis	0.03
pH	9.0 SU	InstantMax			NoDis			NoDis			7.6			NoDis	7.6
pH	6.0 SU	InstantMin			NoDis			NoDis			7.6			NoDis	7.6
Phosphorus, Total (as P)	mg/L	SingleVal			NoDis			NoDis			0.012			NoDis	0.012
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			NoDis			NoDis			2			NoDis	2.0

Surface Discharge Station SD002 (Weir Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	104.2	84.63	98.8	169.48	224.19	162.74	224.17	137.22	22.13	75.96	20.66	37.26	113.453
Flow	mgd	CalMoAvg	3.36	3.02	3.19	5.65	7.23	5.42	7.23	4.43	0.74	2.45	0.69	1.20	3.718
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	0.068	0.05	<0.05	<0.05	0.05	0.0737	0.0704	<0.05	<0.05	<0.05	<0.05	<0.05	0.062
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	0.068	0.05	<0.05	<0.05	0.05	0.0737	0.0704	<0.05	<0.05	<0.05	<0.05	<0.05	0.062
Mercury, Total (as Hg)	ng/L	SingleVal			1.0			1			1.1			1.8	1.225
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4			<0.4			<0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4			<0.4			<0.4	
pH	8.5 SU	InstantMax	7.6	7.3	6.8	7.9	8.1	8.1	8.2	7.9	7.8	7.5	7.8	7.0	7.667
pH	6.5 SU	InstantMin	7.6	7.3	6.8	7.9	8.1	8.1	8.2	7.9	7.8	7.5	7.8	7.0	7.667
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	7.6	9.6	8.4	7.2	2.8	4.5	3.6	2	1.6	5.2	12.7	16.9	6.842
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	7.6	9.6	8.4	7.2	2.8	4.5	3.6	2	1.6	5.2	12.7	16.9	6.842
Specific Conductance	umh/cm	SingleVal			780			478			499			579	584.0
Temperature, Water (F)	Deg F	CalMoAvg			33.5	36	39.5	67.3	66.5	62.5	60	48.5			51.725
Temperature, Water (F)	Deg F	DailyMax			34.0	0.36	43	71.1	68	63	60	50			48.683
Turbidity	25 NTU	CalMoAvg	34.5	29.9	40.15	23.4	17.6	14.35	12.2	11.95	6.09	20.1	23.95	41.8	22.999
Turbidity	NTU	DailyMax	64.8	72.8	40.7	27.7	18	16.6	14.1	15.3	6.74	27.8	34.9	58.4	33.153

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	80.35	60.48	148.65	143.86	143.65	133.20	148.65	160.21	135.86	105.49	159.8	148.65	130.738

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	mgd	CalMoAvg	2.59	2.16	4.795	4.795	4.795	4.44	4.7952	5.17	4.53	3.52	5.3	4.80	4.308
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	0.05	0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	0.05	0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
Mercury, Total (as Hg)	ng/L	SingleVal			1.1			1.3			0.9			<0.5	1.1
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4			<0.4			<0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4			<0.4			<0.4	
pH	8.5 SU	InstantMax	7.4	7.2	6.9	7.1	8.2	7.9	8.0	7.5	7.8	7.2	7.7	7.4	7.525
pH	6.5 SU	InstantMin	7.4	7.2	6.9	7.1	8.2	7.9	8.0	7.5	7.8	7.2	7.7	7.4	7.525
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			1.2			2			2.4			2.0	1.9
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			1.2			2			2.4			2.0	1.9
Specific Conductance	umh/cm	SingleVal			560			330			367			408	416.25
Turbidity	25 NTU	CalMoAvg	1.6	0.95	1.6	3.3	1.9	2.3	2.0	4.2	1.02	2.07	1.94	0.65	1.961

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.26	0.15	0.09	0.03	0.05	0.04	0.08	0.05	0.02	0.05	0.09	0.09	0.083
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCalWkAvg	0.34	0.15	0.10	0.03	0.06	0.04	0.009	0.05	0.02	0.05	0.09	0.12	0.088
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	3.6	3.5	2.7	2.4	2.7	4.0	3.5	3.0	3.0	3.2	4.0	3.2	3.233
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCalWkAvg	4.1	3.5	3.0	2.4	3.0	5.0	4.0	3.0	3.0	4.0	4.0	4.0	3.583
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				2.0	2.0	2.0	2.0	2.0	2.0	2.0			2.0
Flow	MG	CalMoTot	0.388	0.295	0.288	0.076	0.156	0.129	0.080	0.044	0.045	0.094	0.200	0.202	0.166
Flow	mgd	CalMoAvg	0.013	0.011	0.009	3.0	0.005	0.004	0.003	0.001	0.002	0.003	0.007	0.006	0.255
Flow	mgd	MxCalWkAvg	0.022	0.019	0.016	0.007	0.006	0.006	0.006	0.004	0.002	0.005	0.009	0.008	0.009
Nitrogen, Total (as N)	mg/L	CalMoAvg	5.1	4.4	3.76	7.4	3.95	4.2	1.91	2.93	4.63	13.78	1.7	2.0	4.647
pH	9.0 SU	InstantMax	7.9	8.0	7.8	8.0	7.8	7.7	7.8	7.9	8.0	7.8	8.2	8.1	7.917
pH	6.0 SU	InstantMin	7.9	7.2	7.2	7.5	7.7	7.6	7.5	7.9	7.7	7.1	8.0	7.3	7.55
Phosphorus, Total (as P)	mg/L	CalMoAvg	0.59	0.43	0.53	0.75	0.74	0.39	0.20	0.27	0.73	0.71	0.29	0.21	0.487
Phosphorus, Total (as P)	mg/L	MxCalWkAvg	0.81	0.75	0.55	0.89	1.05	0.39	0.22	0.34	1.0	0.91	0.35	0.28	0.628
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.85	0.69	0.33	0.55	0.08	0.06	0.10	0.07	0.05	0.10	0.12	0.09	0.258
Solids, Total Suspended (TSS)	6.8 kg/day	MxCalWkAvg	1.2	0.72	0.42	0.09	0.10	0.07	0.13	0.07	0.05	0.10	0.18	0.1	0.269
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	12.0	16.0	10.0	7.0	5.0	5.2	5.0	4.4	6.0	8.2	6.0	3.2	7.333

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Solids, Total Suspended (TSS)	45 mg/L	MxCaLWkAvg	14.8	17.2	12.4	12.4	6.8	5.6	5.6	4.4	6.4	9.2	9.5	3.2	8.958

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	34	34.0
Flow	MG	CalMoTot	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	2.2	2.2
Flow	mgd	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	0.73	0.73
Fluoride, Total (as F)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	1.44	1.44
pH	SU	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	7.9	7.9
Specific Conductance	umh/cm	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	790	790.0
Sulfate, Total (as SO4)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	107	107.0

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Flow	MG	CalMoTot	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	2.39	2.39
Flow	mgd	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	0.79	0.79
Fluoride, Total (as F)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Mercury, Total (as Hg)	ng/L	SingleVal			NoFlo			NoFlo			NoFlo				
pH	SU	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Specific Conductance	umh/cm	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Sulfate, Total (as SO4)	mg/L	SingleVal	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalQtrTot			NoDis			NoDis			0.05			0.00054	0.025
Flow	mgd	CalQtrAve			NoDis			NoDis			0.00054			0.043	0.022
pH	9.0 SU	InstantMax			NoDis			NoDis			7.2			7.3	7.25
pH	6.0 SU	InstantMin			NoDis			NoDis			7.2			7.3	7.25
Phosphorus, Total (as P)	mg/L	SingleVal			NoDis			NoDis			0.038			0.008	0.023
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			NoDis			NoDis			22			5.5	13.75

Surface Discharge Station SD002 (Weir Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	37.3	1.11	25.24	19.09	23.50	32.0	25.14	41.73	55.05	26.14	46.19	51.55	32.003
Flow	mgd	CalMoAvg	1.20	0.04	0.81	0.64	0.76	1.07	0.81	1.35	1.84	0.84	1.54	1.66	1.047
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	0.64	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0683	< 0.05	< 0.05	0.354
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	1.23	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0683	< 0.05	< 0.05	0.649
Mercury, Total (as Hg)	ng/L	SingleVal			<0.5			1.5			1.12			0.7	1.107
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4			<0.4			< 0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4			<0.4			< 0.4	
pH	8.5 SU	InstantMax	8.0	7.4	7.6	7.8	7.5	7.7	7.8	7.7	7.6	7.6	7.7	7.4	7.65
pH	6.5 SU	InstantMin	8.0	7.4	7.6	7.8	7.5	7.7	7.8	7.7	7.6	7.6	7.7	7.4	7.65
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	12.4	15.2	1.0	3.2	4.0	3.0	2.8	7.2	3	3.2	1	7.2	5.267
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	12.4	15.2	1.0	3.2	4.0	3.0	0.28	7.2	3	3.2	1	7.2	5.057
Specific Conductance	umh/cm	SingleVal			749			538			465			615	591.75
Sulfate, Total (as SO4)	mg/L	CalMoAvg							101.5	95.65	104	111.5	104	111	104.608
Sulfate, Total (as SO4)	mg/L	CalMoMax							104.0	104	108	117	106	112	108.5
Temperature, Water (F)	Deg F	CalMoAvg			40.5	45.6	55.5	63.0	69.5	68	55	47.5			55.575
Temperature, Water (F)	Deg F	DailyMax			42	48.2	61.0	64.0	72.0	70	58	49			58.025
Turbidity	25 NTU	CalMoAvg	38.2	62.0	13.2	7.4	4.20	2.31	4.31	8.25	6.75	9.85	4.35	17.4	14.852
Turbidity	NTU	DailyMax	42.8	141	19.5	9.8	4.77	2.71	5.22	10.9	6.8	13	5.3	19.2	23.417

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	124.68	141.72	165.17	159.8	159.84	133.2	165.17	165.17	117.12	163.88	82.53	71.71	137.499
Flow	mgd	CalMoAvg	4.02	4.57	5.33	5.33	5.16	4.30	5.33	5.33	3.90	5.29	2.75	2.31	4.468
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	
Mercury, Total (as Hg)	ng/L	SingleVal			0.9			0.6			0.9			0.9	0.825
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4			<0.4			< 0.4	
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4			<0.4			< 0.4	
pH	8.5 SU	InstantMax	8.4	7.4	7.4	7.8	7.8	7.6	7.7	7.7	7.5	7.7	7.4	7.2	7.633
pH	6.5 SU	InstantMin	8.4	7.4	7.4	7.8	7.8	7.6	7.7	7.7	7.5	7.7	7.4	7.2	7.633
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			<1.0			1.2			<1			4	2.6
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			<1.0			1.2			<1			4	2.6
Specific Conductance	umh/cm	SingleVal			573			359			352			428	428.0
Sulfate, Total (as SO4)	mg/L	CalMoAvg							56.05	50.1	46.15	43.5	40.65	39.35	45.967
Sulfate, Total (as SO4)	mg/L	CalYrMax							56.30	50.7	46.7	45.1	41.6	40.1	46.75
Turbidity	25 NTU	CalMoAvg	1.22	1.0	1.4	2.0	1.17	1.45	5.5	11.5	5.1	5.6	12.8	5.0	4.478

Surface Discharge Station SD012 (Perry Pit Dewatering)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Bicarbonates	7 meq/L	CalMoAvg							3.58	3.44	3.50	3.53	3.69	3.84	3.597
Bicarbonates	12 meq/L	CalMoMax							3.58	3.52	3.54	3.54	3.7	3.86	3.623
Flow	MG	CalMoTot							36.58	131.70	127.08	125.83	102.78	120.66	107.438
Flow	mgd	CalMoAvg							4.30	4.25	4.24	4.06	3.43	3.89	4.028
Hardness, Calcium & Magnesium, Calculated (as CaCO3)	mg/L	CalQtrMax									208			212	210.0
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg							<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax							<0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	
Mercury, Total (as Hg)	ng/L	SingleVal									<0.05			< 0.5	
pH	9.0 SU	InstantMax							8.4	8.3	8.4	8.3	8	7.9	8.217
pH	6.0 SU	InstantMin							8.41	8.3	8.4	8.3	8	7.9	8.218
Solids, Total Dissolved (TDS)	mg/L	CalQtrMax									197			232	214.5
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg							1.6	1.6	2.4	1.2	< 1	5.6	2.48
Solids, Total Suspended (TSS)	30 mg/L	DailyMax							1.6	1.6	2.4	1.2	< 1	5.6	2.48
Specific Conductance	umh/cm	CalQtrMax									278			336	307.0

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD012 (Perry Pit Dewatering)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Sulfate, Total (as SO4)	mg/L	CalMoAvg							21.3	24.0	20.6	20.9	20.75	21.15	21.45
Sulfate, Total (as SO4)	mg/L	CalMoMax							21.4	27.0	20.8	20.9	21	21.6	22.117

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.1	0.11	0.14	0.10	0.09	0.07	0.10	0.08	0.11	0.16	0.2	0.15	0.118
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCaWkAvg	0.14	0.12	0.16	0.12	0.10	0.08	0.12	0.08	0.12	0.3	0.22	0.16	0.143
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	6.2	5.0	6.0	3.5	4.0	3.0	4.0	3.0	4	6.0	5	5.3	4.583
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaWkAvg	9.4	5.4	6.1	4.0	4.0	3.0	4.0	3.0	4	10.0	6	5.4	5.358
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				2.0	2.0	2.0	2.0	2.0	2	2.0			2.0
Flow	MG	CalMoTot	0.181	0.189	0.200	0.223	0.206	0.189	0.205	0.224	0.201	0.207	0.235	0.234	0.208
Flow	mgd	CalMoAvg	0.006	0.007	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.008	0.007
Flow	mgd	MxCaWkAvg	0.008	0.009	0.008	0.009	0.008	0.009	0.008	0.009	0.009	0.009	0.010	0.009	0.009
Nitrogen, Total (as N)	mg/L	CalMoAvg	7.49	7.0	4.07	15.3	15.06	13.0	12.4	4.5	14	18.0	17	7.3	11.26
pH	9.0 SU	InstantMax	7.9	7.9	7.8	7.9	7.4	7.7	8.0	8.0	8.1	8.1	7.8	7.9	7.875
pH	6.0 SU	InstantMin	7.9	7.8	7.7	7.6	7.0	7.4	7.9	7.9	7.3	7.0	7.7	7.5	7.558
Phosphorus, Total (as P)	mg/L	CalMoAvg	0.58	0.6	0.45	1.7	1.47	1.6	1.6	0.39	1.2	1.7	1.5	4.08	1.406
Phosphorus, Total (as P)	mg/L	MxCaWkAvg	0.77	0.65	0.56	1.88	1.89	1.71	1.6	0.50	1.37	2.7	2.37	7.6	1.967
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.16	0.15	0.21	0.39	0.28	0.3	0.32	0.15	0.3	0.6	0.4	0.29	0.296
Solids, Total Suspended (TSS)	6.8 kg/day	MxCaWkAvg	0.16	0.16	0.22	0.7	0.44	0.3	0.45	0.16	0.3	1.0	0.6	0.34	0.403
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	9.0	6.0	8.4	14.0	12.0	12.0	11.0	6.0	9	22.3	10	10.2	10.825
Solids, Total Suspended (TSS)	45 mg/L	MxCaWkAvg	9.6	7.0	9.6	24.8	17.0	12.8	15.0	6.0	11.3	34.0	16	12.8	14.658

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	38.8	42.8	39.4	33.7	33.6	35.6	32.1	29.4	28.5	30	32.6	43.8	35.025
Flow	MG	CalMoTot	2.2	12.72	20.61	12.87	18.80	19.20	21.66	20.56	19.76	17.6	19.57	20.37	17.16
Flow	mgd	CalMoAvg	0.07	0.45	0.66	0.43	0.61	0.62	0.70	0.66	0.66	0.57	0.65	0.66	0.562
Fluoride, Total (as F)	mg/L	SingleVal	1.44	1.04	1.52	1.04	1.33	1.0	0.94	1.33	1.45	1.2	0.95	0.74	1.165
pH	SU	SingleVal	8.1	8.1	8.1	8.3	8.6	8.4	8.7	8.8	8.8	8.7	8.5	8.3	8.45
Specific Conductance	umh/cm	SingleVal	766	644	571	516	530	544	504	505	464	633	692	525	574.5

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Sulfate, Total (as SO4)	mg/L	SingleVal	108	103	120	90.2	100	95.4	86.5	112	94.2	95.1	88.7	91	98.675

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	335	460	380	314	347	327	450	472	627	347	206	347	384.333
Flow	MG	CalMoTot	2.38	9.36	15.65	13.40	14.72	14.85	14.85	15.62	15.11	13.11	15.14	15.62	13.318
Flow	mgd	CalMoAvg	0.08	0.33	0.50	0.447	0.47	0.48	0.49	0.50	0.50	0.42	0.5	0.5	0.435
Fluoride, Total (as F)	mg/L	SingleVal	16.6	16.9	17.8	14.9	14	12	2.49	10.7	11.8	14.5	14.6	14	13.358
Mercury, Total (as Hg)	ng/L	SingleVal			<0.5			1540			133			533	735.333
pH	SU	SingleVal	10.6	10.4	10.1	8.6	10.9	9.2	10	9.9	9.5	9.8	8.8	9.7	9.792
Specific Conductance	umh/cm	SingleVal	1668	2210	1350	1500	1350	1370	1590	1750	1950	1630	1540	1470	1,614.833
Sulfate, Total (as SO4)	mg/L	SingleVal	763	1060	937	1000	656	983	218	1510	1610	899	721	992	945.75

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (WTP Backwash Outfall 040)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalQtrTot			0.0419			0.042							0.042
Flow	mgd	CalQtrAve			0.000466			0.0005							0.0
pH	9.0 SU	InstantMax			7.1			7.3							7.2
pH	6.0 SU	InstantMin			7.1			7.3							7.2
Phosphorus, Total (as P)	mg/L	SingleVal			0.007			0.014							0.011
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			8.7			7							7.85

Surface Discharge Station SD002 (Weir Outfall 050)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	17.16	15.37	31.2	117.72	27.07	24.3							38.803
Flow	mgd	CalMoAvg	0.55	0.55	1.01	3.92	0.87	0.81							1.285
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	0.17	<0.05	<0.05	< 0.05	<0.05							0.17
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	0.17	<0.05	<0.05	< 0.05	<0.05							0.17
Mercury, Total (as Hg)	ng/L	SingleVal			<0.5			1.0							1.0
Nitrogen, Ammonia, Un-ionized (as N)	0.04 mg/L	CalMoAvg			<0.01	<0.01	< 0.01	<0.01							
Nitrogen, Ammonia, Un-ionized (as N)	mg/L	DailyMax			<0.01	<0.01	< 0.01	<0.01							
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4							
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4							
pH	8.5 SU	InstantMax	7.72	7.99	7.78	8.29	7.8	7.6							7.863
pH	6.5 SU	InstantMin	7.72	7.99	7.78	8.29	7.8	7.6							7.863
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	7.5	4	5	3.2	11	4							5.783
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	7.5	4	5	3.2	11	4							5.783
Specific Conductance	umh/cm	SingleVal			658			661							659.5
Sulfate, Total (as SO4)	mg/L	CalMoAvg	113.5	116	114.5	85.9	111.5	109							108.4
Sulfate, Total (as SO4)	mg/L	CalMoMax	115	116	118	86.1	119	110							110.683
Temperature, Water (F)	Deg F	CalMoAvg			34.22	40.55	51.2	61.8							46.942
Temperature, Water (F)	Deg F	DailyMax			35	41	56	63.7							48.925
Turbidity	25 NTU	CalMoAvg	20.2	14.6	10.6	6.05	14.3	4.1							11.642
Turbidity	NTU	DailyMax	27	17.2	14	8.6	22	4.2							15.5

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Pipe Outfall 080)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	77.68	69.08	85.46	86.31	90.78	84.5							82.302
Flow	mgd	CalMoAvg	2.51	2.47	2.76	2.88	2.93	2.82							2.728
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05							
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05							
Mercury, Total (as Hg)	ng/L	SingleVal			1.2			1.9							1.55
Oil & Grease, Total Recoverable (Hexane Extraction)	0.5 mg/L	CalQtrAve			<0.4			<0.4							
Oil & Grease, Total Recoverable (Hexane Extraction)	5.0 mg/L	DailyMax			<0.4			<0.4							
pH	8.5 SU	InstantMax	7.85	7.35	7.42	7.43	6.88	7.4							7.388
pH	6.5 SU	InstantMin	7.85	7.35	7.42	7.43	6.88	7.4							7.388
Solids, Total Suspended (TSS)	20 mg/L	CalQtrAve			2			5.2							3.6
Solids, Total Suspended (TSS)	30 mg/L	DailyMax			2			5.2							3.6
Specific Conductance	umh/cm	SingleVal			432			430							431.0
Sulfate, Total (as SO4)	mg/L	CalMoAvg	39.15	39.1	40.2	39.8	40.85	39.7							39.8
Sulfate, Total (as SO4)	mg/L	CalYrMax	39.3	39.2	40.9	40.1	41.4	39.8							40.117
Turbidity	25 NTU	CalMoAvg	4.7	4	4.5	10.5	17.5	22							10.533

Surface Discharge Station SD012 (Perry Pit Dewatering)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Bicarbonates	7 meq/L	CalMoAvg	3.56	3.86	4.32	3.41	3.79	3.83							3.795
Bicarbonates	12 meq/L	CalMoMax	3.78	3.88	4.72	3.82	3.80	3.90							3.983
Flow	MG	CalMoTot	55.73	28.57	84.63	65.0	39.36	24.2							49.582
Flow	mgd	CalMoAvg	1.80	1.02	2.73	2.17	2.07	3.46							2.208
Hardness, Calcium & Magnesium, Calculated (as CaCO3)	mg/L	CalQtrMax			230			206							218.0
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05							
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05							
Mercury, Total (as Hg)	ng/L	SingleVal			<0.5			1.0							1.0
pH	9.0 SU	InstantMax	8.15	7.5	7.78	7.63	6.86	7.4							7.553
pH	6.0 SU	InstantMin	8.15	7.5	7.78	7.63	6.86	7.4							7.553
Solids, Total Dissolved (TDS)	mg/L	CalQtrMax			287			225							256.0
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	4.8	2	10.4	<1	< 1	23.2							10.1
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	4.8	2	10.4	<1	< 1	23.2							10.1
Specific Conductance	umh/cm	CalQtrMax			388			366							377.0

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Surface Discharge Station SD012 (Perry Pit Dewatering)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Sulfate, Total (as SO4)	mg/L	CalMoAvg	20.85	20.2	18.2	20.1	20.45	20.6							20.067
Sulfate, Total (as SO4)	mg/L	CalMoMax	21	20.5	20.3	20.5	20.6	20.6							20.583

Waste Stream Station WS005 (Station 901)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
BOD, Carbonaceous 05 Day (20 Deg C)	3.8 kg/day	CalMoAvg	0.18	0.28	0.38	0.2	0.13	0.09							0.21
BOD, Carbonaceous 05 Day (20 Deg C)	6.0 kg/day	MxCaIWkAvg	0.2	0.3	0.53	0.2	0.17	0.09							0.248
BOD, Carbonaceous 05 Day (20 Deg C)	25 mg/L	CalMoAvg	5.4	8.3	10	4.0	3.5	2.4							5.6
BOD, Carbonaceous 05 Day (20 Deg C)	40 mg/L	MxCaIWkAvg	6.0	8.4	14	4.0	4.6	2.4							6.567
Fecal Coliform, MPN or Membrane Filter 44.5C	200 #100ml	CalMoGeoMn				2.0	2	2.0							2.0
Flow	MG	CalMoTot	0.255	0.228	0.33	0.349	0.332	2.89							0.731
Flow	mgd	CalMoAvg	0.008	0.008	0.011	0.012	0.011	0.010							0.01
Flow	mgd	MxCaIWkAvg	0.01	0.010	0.013	0.013	0.013	0.011							0.012
Nitrogen, Total (as N)	mg/L	CalMoAvg	6.7	6.6	6.34	2.3	13	3.6							6.423
pH	9.0 SU	InstantMax	7.8	7.9	7.4	7.8	7.7	7.9							7.75
pH	6.0 SU	InstantMin	7.8	7.9	7.3	6.9	7.7	7.8							7.567
Phosphorus, Total (as P)	mg/L	CalMoAvg	0.72	0.93	0.56	0.34	1.49	0.4							0.74
Phosphorus, Total (as P)	mg/L	MxCaIWkAvg	0.78	1.0	0.79	0.38	1.97	0.46							0.897
Solids, Total Suspended (TSS)	4.5 kg/day	CalMoAvg	0.14	0.2	0.94	1.05	0.26	0.2							0.465
Solids, Total Suspended (TSS)	6.8 kg/day	MxCaIWkAvg	0.15	0.2	0.98	1.7	0.45	0.2							0.613
Solids, Total Suspended (TSS)	30 mg/L	CalMoAvg	4.0	7.0	23.8	27.0	7	3.8							12.1
Solids, Total Suspended (TSS)	45 mg/L	MxCaIWkAvg	4.4	8.0	24	44.7	2	4.8							14.65

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	26.4	32.6	45.3	32.6	40.5	36.6							35.667
Flow	MG	CalMoTot	19.82	18.40	20.34	16.12	15.08	19.6							18.227
Flow	mgd	CalMoAvg	0.64	0.66	0.66	0.54	0.58	0.65							0.622
Fluoride, Total (as F)	mg/L	SingleVal	1.54	1.64	0.84	1.72	0.5	1.02							1.21
pH	SU	SingleVal	8.2	8.95	8.76	9.41	7.53	8.4							8.542
Specific Conductance	umh/cm	SingleVal	720	523	523	782	467	492							584.5

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

US Steel - Keetac (MN0031879)

First DMR in Delta: 1/2001

Waste Stream Station WS011 (Plant water to scrubber system)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Sulfate, Total (as SO4)	mg/L	SingleVal	102	108	96	119	76.5	92.7							99.033

Waste Stream Station WS012 (Scrubber blowdown after treatment)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Calcium, Total (as Ca)	mg/L	SingleVal	179	367	508	417	459	488							403.0
Flow	MG	CalMoTot	15.56	14.11	15.6	12.34	10.98	14.0							13.765
Flow	mgd	CalMoAvg	0.50	0.50	0.5	0.41	0.42	0.47							0.467
Fluoride, Total (as F)	mg/L	SingleVal	12.3	9.73	8.82	9.62	14.2	8.52							10.532
Mercury, Total (as Hg)	ng/L	SingleVal			565			1490							1,027.5
pH	SU	SingleVal	8.2	10.48	10.38	10.32	11.5	9.9							10.13
Specific Conductance	umh/cm	SingleVal	1480	1340	1510	1990	1690	1410							1,570.0
Sulfate, Total (as SO4)	mg/L	SingleVal	619	825	1070	962	775	927							863.0

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfall 010)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Fluoride, Total (as F)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Mercury, Total (as Hg)	ng/L	SingleVal			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Specific Conductance	umh/cm	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Specific Conductance	umh/cm	SingleVal	NoDis	NoDis											
Sulfate, Total (as SO4)	mg/L	CalMoAvg			NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Sulfate, Total (as SO4)	mg/L	DailyMax	NoDis	NoDis											

Surface Discharge Station SD002 (Siphon Outfall 011)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis											
Flow	mgd	CalMoAvg	NoDis	NoDis											
Flow	mgd	CalMoMax	NoDis	NoDis											
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis											
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis											
pH	9.0 SU	InstantMax	NoDis	NoDis											
pH	6.0 SU	InstantMin	NoDis	NoDis											
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis											
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis											
Specific Conductance	umh/cm	SingleVal	NoDis	NoDis											
Sulfate, Total (as SO4)	mg/L	DailyMax	NoDis	NoDis											

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD003 (Siphon Outfall 012)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis											
Flow	mgd	CalMoAvg	NoDis	NoDis											
Flow	mgd	CalMoMax	NoDis	NoDis											
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis											
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis											
pH	9.0 SU	InstantMax	NoDis	NoDis											
pH	6.0 SU	InstantMin	NoDis	NoDis											
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis											
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis											
Specific Conductance	umh/cm	SingleVal	NoDis	NoDis											
Sulfate, Total (as SO4)	mg/L	DailyMax	NoDis	NoDis											

Surface Discharge Station SD004 (Siphon Outfall 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis											
Flow	mgd	CalMoAvg	NoDis	NoDis											
Flow	mgd	CalMoMax	NoDis	NoDis											
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis											
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis											
pH	9.0 SU	InstantMax	NoDis	NoDis											
pH	6.0 SU	InstantMin	NoDis	NoDis											
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis											
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis											
Specific Conductance	umh/cm	SingleVal	NoDis	NoDis											
Sulfate, Total (as SO4)	mg/L	DailyMax	NoDis	NoDis											

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	54.7	38.2	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	46.45
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	1.82	1.23	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	1.525
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	7.81	5.70	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	6.755
Fluoride, Total (as F)	mg/L	SingleVal			NoDis			1.7			NoDis			NoDis	1.7

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	0.05	<0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.05
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	0.05	<0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.05
Mercury, Total (as Hg)	ng/L	SingleVal			NoDis			<0.2			NoDis			NoDis	
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			NoDis			1.5			NoDis			NoDis	1.5
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	7.8	8.7	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.25
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	7.8	8.7	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.25
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	3	4.8	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	3.9
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	3	4.8	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	3.9
Specific Conductance	umh/cm	CalMoAvg			NoDis	463	615	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	539.0
Specific Conductance	umh/cm	SingleVal	NoDis	NoDis											
Sulfate, Total (as SO4)	mg/L	CalMoAvg			NoDis	82	87.3	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	84.65
Sulfate, Total (as SO4)	mg/L	DailyMax	NoDis	NoDis											

Surface Discharge Station SD006 (Ditch Outfall 020)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis											
Flow	mgd	CalMoAvg	NoDis	NoDis											
Flow	mgd	CalYrMax	NoDis	NoDis											
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis											
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis											
pH	8.5 SU	InstantMax	NoDis	NoDis											
pH	6.5 SU	InstantMin	NoDis	NoDis											
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis											
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis											
Turbidity	25 NTU	CalMoAvg	NoDis	NoDis											

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.265	0.63	1.3	2.2	2.9	4.05	4.5	3.7	2.35	0.67	0.225	1.917
Flow	MG	CalMoTot	NoDis	NoDis	NoDis		38.2	NoDis			NoDis	NoDis	0	0	12.733
Precipitation	in	CalMoTot	0.42	1.05	2.29	1.29	3.00	2.81	2.44	2.46	3.26	1.56	1.05	1.36	1.916

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot			NoFlo	516.3	247.5	5.7	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	256.5
Flow	mgd	CalMoAvg			NoFlo	17.2	8.00	0.19	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	8.463
Solids, Total Suspended (TSS)	mg/L	CalMoAvg			NoFlo	5.2	<1	1.6	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	3.4
Specific Conductance	umh/cm	CalMoAvg			NoFlo	282	499	537	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	439.333
Turbidity	NTU	CalMoAvg			NoFlo	6.6	1.2	1.9	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	3.233

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/06</u>	<u>2/06</u>	<u>3/06</u>	<u>4/06</u>	<u>5/06</u>	<u>6/06</u>	<u>7/06</u>	<u>8/06</u>	<u>9/06</u>	<u>10/06</u>	<u>11/06</u>	<u>12/06</u>	<u>Ave</u>
Flow	MG	CalMoTot	38.4	104.1	76.8	41.4	45.0	129.9	296.2	336.12	208.5	263.5	287.1	103.4	160.868

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfalls 010, 011, 012, 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Fluoride, Total (as F)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ng/L	SingleVal	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	16.7	109.46	57.86	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	61.34
Flow	mgd	CalMoAvg	NoDis	NoDis	0.54	3.65	1.87	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.02
Flow	mgd	CalMoMax	NoDis	NoDis	0.54	3.65	7.67	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	3.953
Fluoride, Total (as F)	mg/L	SingleVal			1.73			NoDis			NoDis			NoDis	1.73
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	<0.05	<0.05	<0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	<0.05	<0.05	<0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ng/L	SingleVal			2.2			NoDis			NoDis			NoDis	2.2
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			1.47			NoDis			NoDis			NoDis	1.47
pH	9.0 SU	InstantMax	NoDis	NoDis	7.6	7.7	7.8	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	7.7
pH	6.0 SU	InstantMin	NoDis	NoDis	7.6	7.7	7.8	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	7.7
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	6.4	5.5	4.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	5.3
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	6.4	5.5	4.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	5.3
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	880	952	850	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	894.0
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	109	99.9	94.5	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	101.133

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.265	0.63	1.3	2.2	2.9	4.05	4.5	3.7	2.35	0.67	0.225	1.917
Flow	MG	CalMoTot	NoDis	NoDis	16.7	109.46	57.86	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	61.34
Precipitation	in	CalMoTot	0.17	0.97	2.53	2.87	2.25	3.15	1.53	1.6	6.05	4.37	0.32	1.78	2.299

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoFlo	NoFlo	NoFlo	49.00	158.58	5.70	2.23	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	53.878
Flow	mgd	CalMoAvg	NoFlo	NoFlo	NoFlo	1.63	5.12	0.19	0.072	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	1.753
Solids, Total Suspended (TSS)	mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	7.2	9.2	1.6	60	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	19.5
Specific Conductance	umh/cm	CalMoAvg	NoFlo	NoFlo	NoFlo	558	608	541	563	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	567.5
Turbidity	NTU	CalMoAvg	NoFlo	NoFlo	NoFlo	6.5	4.8	1.0	3.7	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	4.0

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/07</u>	<u>2/07</u>	<u>3/07</u>	<u>4/07</u>	<u>5/07</u>	<u>6/07</u>	<u>7/07</u>	<u>8/07</u>	<u>9/07</u>	<u>10/07</u>	<u>11/07</u>	<u>12/07</u>	<u>Ave</u>
Flow	MG	CalMoTot	94.5	61.2	60.6	74.1	164.10	81.6	196.50	262.3	375.9	226.4	204.60	156.00	163.15

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfalls 010, 011, 012, 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Fluoride, Total (as F)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ng/L	SingleVal	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	147.49	31.20	4.92	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	61.203
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	7.02	1.01	0.164	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.731
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	10.62	4.92	0.66	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	5.4
Fluoride, Total (as F)	mg/L	SingleVal			NoDis			0.98		NoDis				NoDis	0.98
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	0.05	0.05	0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.05
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	0.05	0.05	0.05	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.05
Mercury, Total (as Hg)	ng/L	SingleVal			NoDis			0.9		NoDis				NoDis	0.9
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			NoDis			1.1		NoDis				NoDis	1.1
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	7.9	8.4	8.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.1
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	7.9	8.4	8.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.1
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	1.6	1.6	1.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	1.4
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	1.6	1.6	1.0	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	1.4
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	795	658	672	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	708.333
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	115	122	119	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	118.667

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.265	0.63	1.3	2.2	2.9	4.05	4.50	3.7	2.35	0.67	0.23	1.917
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	147.49	31.20	4.92	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	61.203
Precipitation	in	CalMoTot	0.17	0.44	0.46	5.59	3.13	4.30	2.92	0.57	4.16	2.93	1.54	2.11	2.36

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoFlo	NoFlo	NoFlo	267.29	527.39	161.28	66.82	37.44	80.64	114.62	15.55	22.32	143.706
Flow	mgd	CalMoAvg	NoFlo	NoFlo	NoFlo	22.27	17.01	5.38	2.15	1.21	2.69	3.70	0.52	0.72	6.183
Solids, Total Suspended (TSS)	mg/L	CalMoAvg	NoFlo	NoFlo	NoFlo	1.6	1.6	5.2	1.0	5.6	8.8	7.0	6.0	2.4	4.356
Specific Conductance	umh/cm	CalMoAvg	NoFlo	NoFlo	NoFlo	263	526	562	506	486	412	397	487	685	480.444
Turbidity	NTU	CalMoAvg	NoFlo	NoFlo	NoFlo	3.2	3.1	7.7	2.4	3.5	6.3	5.1	5.4	4.9	4.622

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/08</u>	<u>2/08</u>	<u>3/08</u>	<u>4/08</u>	<u>5/08</u>	<u>6/08</u>	<u>7/08</u>	<u>8/08</u>	<u>9/08</u>	<u>10/08</u>	<u>11/08</u>	<u>12/08</u>	<u>Ave</u>
Flow	MG	CalMoTot	26.40	138.3	124.2	33.90	152.10	152.40	69.63	67.65	276.54	165.0	180.6	101.70	124.035

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfalls 010, 011, 012, 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Fluoride, Total (as F)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Mercury, Total (as Hg)	ng/L	SingleVal	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	6.89	98.0	138.2	171.38	107.79	NoDis	NoDis	NoDis	NoDis	NoDis	90.27	10.45	88.997
Flow	mgd	CalMoAvg	0.49	3.50	4.46	5.71	3.47	NoDis	NoDis	NoDis	NoDis	NoDis	3.01	1.16	3.114
Flow	mgd	CalMoMax	0.49	6.07	6.77	13.79	10.97	NoDis	NoDis	NoDis	NoDis	NoDis	6.02	1.16	6.467
Fluoride, Total (as F)	mg/L	SingleVal			0.67			1.53			NoDis			1.52	1.24
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	0.091	0.05	<0.05	<0.05	0.05	NoDis	NoDis	NoDis	NoDis	NoDis	<0.05	0.092	0.071
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	0.091	0.05	<0.05	<0.05	0.05	NoDis	NoDis	NoDis	NoDis	NoDis	<0.05	0.092	0.071
Mercury, Total (as Hg)	ng/L	SingleVal			0.5			1.6			NoDis			1.1	1.067
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			1.09			0.88			NoDis			<0.1	0.985
pH	9.0 SU	InstantMax	7.5	8.1	8.0	8.2	8.3	NoDis	NoDis	NoDis	NoDis	NoDis	8.2	8.2	8.071
pH	6.0 SU	InstantMin	7.5	8.1	8.0	8.2	8.3	NoDis	NoDis	NoDis	NoDis	NoDis	8.2	8.2	8.071
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	1.30	1.0	1.6	5.6	2.0	NoDis	NoDis	NoDis	NoDis	NoDis	4.4	4.4	2.9
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	1.30	1.0	1.6	5.6	2.0	NoDis	NoDis	NoDis	NoDis	NoDis	4.4	4.4	2.9
Specific Conductance	umh/cm	CalMoAvg	845	820	596	475	573	NoDis	NoDis	NoDis	NoDis	NoDis	526	753	655.429
Sulfate, Total (as SO4)	mg/L	CalMoAvg	107	137	135	106	111	NoDis	NoDis	NoDis	NoDis	NoDis	108	103	115.286

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.27	0.63	1.30	2.20	2.90	4.05	4.50	3.70	2.35	0.67	0.225	1.917
Flow	MG	CalMoTot	6.89	98.0	138.2	171.38	107.79	NoDis	NoDis	0		NoDis	90.27	10.45	77.873
Precipitation	in	CalMoTot	0.7	0.99	4.24	1.41	1.80	3.24	5.60	2.75	0.59	4.15	1.20	0.18	2.238

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	30.96	57.6	109.44	109.44	131.04	47.16	103.27	111.51	82.03	46.55	104.4	62.6	83.0
Flow	mgd	CalMoAvg	1.00	2.06	3.53	3.65	4.37	1.572	3.44	3.72	2.83	1.50	3.48	2.02	2.764
Solids, Total Suspended (TSS)	mg/L	CalMoAvg	2.0	1.6	<1.0	1.2	1.6	2	1.2	5.2	<1.0	4.8	<1.0	<1	2.45
Specific Conductance	umh/cm	CalMoAvg	655	649	460	439	405	384	359	418	451	506	537	660	493.583
Turbidity	NTU	CalMoAvg	1.7	2.0	1.4	2.8	3.1	1.5	1.4	8.4	1.54	4.36	1.32	0.36	2.49

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/09</u>	<u>2/09</u>	<u>3/09</u>	<u>4/09</u>	<u>5/09</u>	<u>6/09</u>	<u>7/09</u>	<u>8/09</u>	<u>9/09</u>	<u>10/09</u>	<u>11/09</u>	<u>12/09</u>	<u>Ave</u>
Flow	MG	CalMoTot	4.2	5.10	24.9	0.03	2.7	3.9	278.70	NoFlo	1.20	18.9	10.5	66.6	37.885

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfalls 010, 011, 012, 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Fluoride, Total (as F)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ng/L	SingleVal	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.51	NoDis	NoDis	NoDis	NoDis	2.66	2.585
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.50	NoDis	NoDis	NoDis	NoDis	0.53	0.515
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	0.50	NoDis	NoDis	NoDis	NoDis	0.53	0.515
Fluoride, Total (as F)	mg/L	SingleVal			NoDis			NoDis			0.99			1.53	1.26
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	<0.05	NoDis	NoDis	NoDis	NoDis	< 0.05	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	<0.05	NoDis	NoDis	NoDis	NoDis	< 0.05	
Mercury, Total (as Hg)	ng/L	SingleVal			NoDis			NoDis			0.9			< 0.5	0.9
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			NoDis			NoDis			<0.1			0.4	0.4
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.7	NoDis	NoDis	NoDis	NoDis	8.2	8.45
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	8.7	NoDis	NoDis	NoDis	NoDis	8.2	8.45
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.0	NoDis	NoDis	NoDis	NoDis	4	3.0
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.0	NoDis	NoDis	NoDis	NoDis	4	3.0
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	501	NoDis	NoDis	NoDis	NoDis	569	535.0
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	91.6	NoDis	NoDis	NoDis	NoDis	101	96.3

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.265	0.63	1.30	2.20	2.90	4.05	4.50	3.70	2.35	0.67	0.225	1.917
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	2.51	0	NoDis	0	0	2.66	1.034
Precipitation	in	CalMoTot	1.04	0.28	0.78	1.12	2.91	5.23	5.86	4.84	3.93	2.48	1.37	1.87	2.643

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	104.4	37.8	21.38	19.15	22.176	21.53	19.30	22.10	85.47	95.43	78.74	101.5	52.415
Flow	mgd	CalMoAvg	3.48	1.35	0.69	0.64	0.74	0.72	0.62	0.71	2.85	3.08	2.62	3.38	1.74
Solids, Total Suspended (TSS)	mg/L	CalMoAvg	1.6	2.0	2.5	1.5	<1.0	1.5	<1.0	<1	2.8	2.4	1.6	2	1.989
Specific Conductance	umh/cm	CalMoAvg	728	751	537	383	485	431	324	334	368	475	472	583	489.25
Turbidity	NTU	CalMoAvg	5.48	16	28	1.7	2.38	1.26	1.04	0.95	1.4	2.3	3	1.4	5.409

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/10</u>	<u>2/10</u>	<u>3/10</u>	<u>4/10</u>	<u>5/10</u>	<u>6/10</u>	<u>7/10</u>	<u>8/10</u>	<u>9/10</u>	<u>10/10</u>	<u>11/10</u>	<u>12/10</u>	<u>Ave</u>
Flow	MG	CalMoTot	191.4	75.00	95.4	143.40	54.0	214.80	202.8	198.3	112.5	191.1	129	149.4	146.425

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD001 (Siphon Outfalls 010, 011, 012, 013)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Flow	mgd	CalMoMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Fluoride, Total (as F)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Mercury, Total (as Hg)	ng/L	SingleVal	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Nitrite Plus Nitrate, Total (as N)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	9.0 SU	InstantMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
pH	6.0 SU	InstantMin	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	NoDis	

Surface Discharge Station SD005 (Weir Outfall 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	NoDis	NoDis	441.23	221.08	101.72	NoDis							254.677
Flow	mgd	CalMoAvg	NoDis	NoDis	14.23	7.4	5.4	NoDis							9.01
Flow	mgd	CalMoMax	NoDis	NoDis	15.04	13.4	12.4	NoDis							13.613
Fluoride, Total (as F)	mg/L	SingleVal			1.5			NoDis							1.5
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg	NoDis	NoDis	<0.05	<0.05	< 0.05	NoDis							
Iron, Dissolved (as Fe)	2.0 mg/L	DailyMax	NoDis	NoDis	<0.05	<0.05	< 0.05	NoDis							
Mercury, Total (as Hg)	ng/L	SingleVal			<0.50			NoDis							
Nitrite Plus Nitrate, Total (as N)	mg/L	SingleVal			0.98			NoDis							0.98
pH	9.0 SU	InstantMax	NoDis	NoDis	8.25	8.65	8.4	NoDis							8.433
pH	6.0 SU	InstantMin	NoDis	NoDis	8.25	8.65	8.4	NoDis							8.433
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg	NoDis	NoDis	2.5	<1	2.4	NoDis							2.45
Solids, Total Suspended (TSS)	30 mg/L	DailyMax	NoDis	NoDis	2.5	<1	2.4	NoDis							2.45
Specific Conductance	umh/cm	CalMoAvg	NoDis	NoDis	518	760	493	NoDis							590.333
Sulfate, Total (as SO4)	mg/L	CalMoAvg	NoDis	NoDis	109	117	100	NoDis							108.667

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.

DMR Summary Report

Keewatin Taconite Operations - Tailings (MN0055948)

First DMR in Delta: 1/2001

Surface Discharge Station SD008 (Sum of outfalls 010-013, 015)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Evaporation, Accumulated	in	CalMoTot	0.21	0.265	0.63	1.3	2.2	2.90							1.251
Flow	MG	CalMoTot	0	0	441.23	221.08	101.72	0							127.338
Precipitation	in	CalMoTot	1.16	0.85	0.37	3.17	2.79	3.45							1.965

Surface Water Station SW001 (Reservoir 2)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	147.88	76.78	123.26	597.83	252.5	57.7							209.325
Flow	mgd	CalMoAvg	4.77	2.48	3.98	19.28	8.14	1.92							6.762
Solids, Total Suspended (TSS)	mg/L	CalMoAvg	1.2	3.6	2	2.4	2	3.3							2.417
Specific Conductance	umh/cm	CalMoAvg	538	380	441	554	374	400							447.833
Turbidity	NTU	CalMoAvg	1.6	7.3	8.8	3.1	1.9	3.2							4.317

Waste Stream Station WS001 (Non-pptn water inputs to the facility)

<u>Parameter Name</u>	<u>Limit and Units</u>	<u>Limit Type</u>	<u>1/11</u>	<u>2/11</u>	<u>3/11</u>	<u>4/11</u>	<u>5/11</u>	<u>6/11</u>	<u>7/11</u>	<u>8/11</u>	<u>9/11</u>	<u>10/11</u>	<u>11/11</u>	<u>12/11</u>	<u>Ave</u>
Flow	MG	CalMoTot	116.4	84.30	137.40	118.20	124.47	100.6							113.562

Note: a limit in the Limit and Units column which is demarcated by asterisks is an Intervention limit, not a hard, violation-causing limit.