

DMR Summary Report

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Ground Water Station GW001 (Well ST-2, off NE side of Tailings Basin)

<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>
Boron, Dissolved (as B)	600 ug/L	InstantMax				232			254			276			254.0
Chloride, Total	*250* mg/L	InstMaxInt				26.4			26.4			27			26.6
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1485.27			1485.09			1485.28			1,485.213
Fluoride, Total (as F)	4.0 mg/L	InstantMax				0.1			0.2			0.2			0.167
Manganese, Dissolved (as Mn)	1000 ug/L	InstantMax				2840			2940			3160			2,980.0
Molybdenum, Dissolved (as Mo)	30 ug/L	InstantMax				8.6			10			10			9.533
pH, Field	SU	SingleVal				7.6			6.7			8.0			7.433
Solids, Total Dissolved (TDS)	*500* mg/L	InstMaxInt				490			455			509			484.667
Specific Conductance, Field	umh/cm	SingleVal				824			902			753			826.333
Sulfate, Total (as SO4)	*250* mg/L	InstMaxInt				34.5			33.4			33			33.633
Temperature, Water (C)	Deg C	SingleVal				3.9			7.9			8.6			6.8

Ground Water Station GW002 (Well MW-6S, N of Private Landfill)

<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>
Boron, Dissolved (as B)	ug/L	SingleVal				7.2			NoDis			<50			7.2
Chloride, Total	mg/L	SingleVal				0.62			NoDis			<0.5			0.62
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1784.36			NoDis			1783.67			1,784.015
Fluoride, Total (as F)	mg/L	SingleVal				<0.1			NoDis			<0.1			
Manganese, Dissolved (as Mn)	ug/L	SingleVal				20			NoDis			1.9			10.95
Molybdenum, Dissolved (as Mo)	ug/L	SingleVal				0.23			NoDis			<0.2			0.23
pH, Field	SU	SingleVal				8.8			NoDis			5.3			7.05
Solids, Total Dissolved (TDS)	mg/L	SingleVal				98			NoDis			90			94.0
Specific Conductance, Field	umh/cm	SingleVal				67			NoDis			225			146.0
Sulfate, Total (as SO4)	mg/L	SingleVal				5.9			NoDis			6.6			6.25
Temperature, Water (C)	Deg C	SingleVal				10.8			NoDis			13.6			12.2

Ground Water Station GW003 (Tailings Basin West Cell Well H-1)

<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>
Copper, Dissolved (as Cu)	ug/L	SingleVal				NoDis			NoDis			NoDis			
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				NoDis			NoDis			NoDis			
Nickel, Dissolved (as Ni)	ug/L	SingleVal				NoDis			NoDis			NoDis			
pH, Field	SU	SingleVal				NoDis			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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Ground Water Station GW003 (Tailings Basin West Cell Well H-1)

<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>
Specific Conductance, Field	umh/cm	SingleVal				NoDis			NoDis			NoDis			
Sulfate, Total (as SO4)	mg/L	SingleVal				NoDis			NoDis			NoDis			
Temperature, Water (C)	Deg C	SingleVal				NoDis			NoDis			NoDis			

Ground Water Station GW004 (Tailings Basin West Cell Well H-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>
Copper, Dissolved (as Cu)	ug/L	SingleVal				NoDis			NoDis			NoDis			
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				NoDis			NoDis			NoDis			
Nickel, Dissolved (as Ni)	ug/L	SingleVal				NoDis			NoDis			NoDis			
pH, Field	SU	SingleVal				NoDis			NoDis			NoDis			
Specific Conductance, Field	umh/cm	SingleVal				NoDis			NoDis			NoDis			
Sulfate, Total (as SO4)	mg/L	SingleVal				NoDis			NoDis			NoDis			
Temperature, Water (C)	Deg C	SingleVal				NoDis			NoDis			NoDis			

Ground Water Station GW005 (Tailings Basin West Cell Well H-3)

<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>
Copper, Dissolved (as Cu)	ug/L	SingleVal				3.5			20.8			1.5			8.6
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1602.23			1602.01			1601.97			1,602.07
Nickel, Dissolved (as Ni)	ug/L	SingleVal				2.5			32.4			3.3			12.733
pH, Field	SU	SingleVal				7.8			7.6			8.0			7.8
Specific Conductance, Field	umh/cm	SingleVal				1105			1098			1027			1,076.667
Sulfate, Total (as SO4)	mg/L	SingleVal				225			265			284			258.0
Temperature, Water (C)	Deg C	SingleVal				10.2			12.0			15.8			12.667

Ground Water Station GW006 (New well NNW of tailings basin)

<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>
Boron, Dissolved (as B)	600 ug/L	InstantMax				409			490			554			484.333
Chloride, Total	*250* mg/L	InstMaxInt				17.3			18.6			19			18.3
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1487.11			1486.49			1486.84			1,486.813
Fluoride, Total (as F)	4.0 mg/L	InstantMax				2.1			2.2			2.3			2.2
Manganese, Dissolved (as Mn)	1000 ug/L	InstantMax				1210			1220			1260			1,230.0

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Ground Water Station GW006 (New well NNW of tailings basin)

<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>
Molybdenum, Dissolved (as Mo)	30 ug/L	InstantMax				24.4			27			28			26.467
pH, Field	SU	SingleVal				7.3			7.9			6.7			7.3
Solids, Total Dissolved (TDS)	*500* mg/L	InstMaxInt				1360			1280			1310			1,316.667
Specific Conductance, Field	umh/cm	SingleVal				1934			559			1941			1,478.0
Sulfate, Total (as SO4)	*250* mg/L	InstMaxInt				493			525			519			512.333
Temperature, Water (C)	Deg C	SingleVal				6.2			12.6			12.5			10.433

Ground Water Station GW007 (New well WNW of tailings basin)

<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>
Boron, Dissolved (as B)	600 ug/L	InstantMax				369			401			395			388.333
Chloride, Total	*250* mg/L	InstMaxInt				28.6			29.5			30			29.367
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1505.81			1506.74			1505.97			1,506.173
Fluoride, Total (as F)	4.0 mg/L	InstantMax				2.0			1.9			2.0			1.967
Manganese, Dissolved (as Mn)	1000 ug/L	InstantMax				1420			2380			1280			1,693.333
Molybdenum, Dissolved (as Mo)	30 ug/L	InstantMax				29.7			29			31			29.9
pH, Field	SU	SingleVal				7.4			7.5			7.1			7.333
Solids, Total Dissolved (TDS)	*500* mg/L	InstMaxInt				549			557			536			547.333
Specific Conductance, Field	umh/cm	SingleVal				874			531			916			773.667
Sulfate, Total (as SO4)	*250* mg/L	InstMaxInt				175			178			165			172.667
Temperature, Water (C)	Deg C	SingleVal				5.5			12.5			11.6			9.867

Ground Water Station GW008 (New well SW of tailings basin)

<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>
Boron, Dissolved (as B)	600 ug/L	InstantMax				11			<50			<50			11.0
Chloride, Total	*250* mg/L	InstMaxInt				0.72			1.0			0.6			0.773
Elevation of GW Relative to Mean Sea Level	feet	SingleVal				1558.05			1556.54			1557.72			1,557.437
Fluoride, Total (as F)	4.0 mg/L	InstantMax				<0.1			<0.1			<0.1			
Manganese, Dissolved (as Mn)	1000 ug/L	InstantMax				29.9			58			20			35.967
Molybdenum, Dissolved (as Mo)	30 ug/L	InstantMax				<0.2			0.2			0.2			0.2
pH, Field	SU	SingleVal				6.8			7.0			6.3			6.7
Solids, Total Dissolved (TDS)	*500* mg/L	InstMaxInt				145			151			194			163.333
Specific Conductance, Field	umh/cm	SingleVal				231			248			274			251.0

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Ground Water Station GW008 (New well SW of tailings basin)

<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)	*250* mg/L	InstMaxInt				17.1			17.8			18			17.633
Temperature, Water (C)	Deg C	SingleVal				3.3			11.2			11.1			8.533

Surface Discharge Station SD001 (NW Seepage Collection Ditch)

<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 (HCO3)	305 mg/L	CalMoAvg			460			336			379			331	376.5
Bicarbonates (HCO3)	mg/L	CalMoMax			460			336			379			331	376.5
Boron, Total (as B)	500 ug/L	CalMoAvg			287			357			298			203	286.25
Boron, Total (as B)	ug/L	CalMoMax			287			357			298			203	286.25
Calcium, Total (as Ca)	mg/L	CalMoMax									59				59.0
Cations, Total	meq/L	CalMoMax									12				12.0
Cobalt, Total (as Co)	ug/L	CalMoMax			0.26			<0.2			<0.2			<0.2	0.26
Fluoride, Total (as F)	mg/L	CalMoMax			1.81			1.3			1.3			0.89	1.325
Hardness, Carbonate (as CaCo3)	250 mg/L	CalMoAvg			460			336			379			331	376.5
Hardness, Carbonate (as CaCo3)	mg/L	CalMoMax			460			336			379			331	376.5
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg			<0.05			<0.05			0.1			0.3	0.2
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax			<0.05			<0.05			0.1			0.3	0.2
Magnesium, Total (as Mg)	mg/L	CalMoMax									83				83.0
Manganese, Total (as Mn)	ug/L	CalMoMax			114			97			138			182	132.75
Mercury, Total (as Hg)	ug/L	CalMoMax				0.0015		0.0016		0.002		0.001			0.002
pH, Field	8.5 SU	InstantMax			7.4			7.6			7.6			7.4	7.5
pH, Field	6.5 SU	InstantMin			7.4			7.6			7.6			7.4	7.5
Potassium, Total (as K)	mg/L	CalMoMax									6.1				6.1
Salinity, Total	mg/L	CalMoMax			600			500			400			500	500.0
Sodium, % Total Cations in meq/L	%	CalMoMax									23				23.0
Sodium, Total (as Na)	mg/L	CalMoMax									43				43.0
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			2			3			2			3	2.5
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax			2			3			2			3	2.5
Specific Conductance, Field	1000 umh/cm	CalMoAvg			1484			974			960			1205	1,155.75
Specific Conductance, Field	umh/cm	CalMoMax			1484			974			960			1205	1,155.75
Turbidity	25 NTU	CalMoAvg			1.3			1.8			1			3	1.775
Turbidity	NTU	CalMoMax			1.3			1.8			1			3	1.775

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Surface Discharge Station SD002 (NE Seepage Collection Ditch)

<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 (HCO ₃)	305 mg/L	CalMoAvg			448			431			467			472	454.5
Bicarbonates (HCO ₃)	mg/L	CalMoMax			448			431			467			472	454.5
Boron, Total (as B)	500 ug/L	CalMoAvg			250			300			329			255	283.5
Boron, Total (as B)	ug/L	CalMoMax			250			300			329			255	283.5
Calcium, Total (as Ca)	mg/L	CalMoMax									76				76.0
Cations, Total	meq/L	CalMoMax									14				14.0
Cobalt, Total (as Co)	ug/L	CalMoMax			0.35			<0.4			0.37			0.3	0.34
Fluoride, Total (as F)	mg/L	CalMoMax			1.7			1.7			1.8			1.3	1.625
Hardness, Carbonate (as CaCO ₃)	250 mg/L	CalMoAvg			448			431			467			472	454.5
Hardness, Carbonate (as CaCO ₃)	mg/L	CalMoMax			448			431			467			472	454.5
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg			0.06			<0.05			<0.05			0.06	0.06
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax			0.06			<0.05			<0.05			0.06	0.06
Magnesium, Total (as Mg)	mg/L	CalMoMax									85				85.0
Manganese, Total (as Mn)	ug/L	CalMoMax			2070			1690			2500			1610	1,967.5
Mercury, Total (as Hg)	ug/L	CalMoMax				0.0008		0.0009		0.001		0.0006			0.001
pH, Field	8.5 SU	InstantMax			7.2			7.5			7.5			7.3	7.375
pH, Field	6.5 SU	InstantMin			7.2			7.5			7.5			7.3	7.375
Potassium, Total (as K)	mg/L	CalMoMax									7.2				7.2
Salinity, Total	mg/L	CalMoMax			500			600			500			600	550.0
Sodium, % Total Cations in meq/L	%	CalMoMax									31				31.0
Sodium, Total (as Na)	mg/L	CalMoMax									75				75.0
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			2.8			3.6			4			2	3.1
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax			2.8			3.6			4			2	3.1
Specific Conductance, Field	1000 umh/cm	CalMoAvg			1197			1140			1167			1421	1,231.25
Specific Conductance, Field	umh/cm	CalMoMax			1197			1140			1167			1421	1,231.25
Turbidity	25 NTU	CalMoAvg			3.4			2.7			3			4	3.275
Turbidity	NTU	CalMoMax			3.4			2.7			3			4	3.275

Surface Discharge Station SD004 (Tailings Basin Cell 2W Seep A)

<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 (HCO ₃)	305 mg/L	CalMoAvg			567			525			549			518	539.75
Bicarbonates (HCO ₃)	mg/L	CalMoMax			567			525			549			518	539.75
Boron, Total (as B)	500 ug/L	CalMoAvg			431			520			536			509	499.0
Boron, Total (as B)	ug/L	CalMoMax			431			548			536			509	506.0

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Surface Discharge Station SD004 (Tailings Basin Cell 2W Seep A)

<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	CalMoMax									91				91.0
Cations, Total	meq/L	CalMoMax									23				23.0
Cobalt, Total (as Co)	ug/L	CalMoMax			1.2			1.2			1.1			1.0	1.125
Flow	MG	CalMoTot			0.16			0.13			0.13			0.13	0.138
Flow	mgd	CalMoMax			0.005			0.0043			0.0043			0.0043	0.004
Fluoride, Total (as F)	mg/L	CalMoMax			1.77			1.8			1.9			1.8	1.818
Hardness, Carbonate (as CaCo3)	250 mg/L	CalMoAvg			567			525			549			518	539.75
Hardness, Carbonate (as CaCo3)	mg/L	CalMoMax			567			525			549			518	539.75
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg			2.0			6.6			6.5			0.6	3.925
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax			2.0			6.6			6.5			0.6	3.925
Magnesium, Total (as Mg)	mg/L	CalMoMax									184				184.0
Manganese, Total (as Mn)	ug/L	CalMoMax			599			593			595			570	589.25
Mercury, Total (as Hg)	ug/L	CalMoMax				<0.0005		<0.0005		<0.0005		<0.0005			
pH, Field	8.5 SU	InstantMax			7.4			7.2			7.3			7.4	7.325
pH, Field	6.5 SU	InstantMin			7.4			7.2			7.3			7.4	7.325
Potassium, Total (as K)	mg/L	CalMoMax									12				12.0
Salinity, Total	mg/L	CalMoMax			800			1000			700			800	825.0
Sodium, % Total Cations in meq/L	%	CalMoMax									20				20.0
Sodium, Total (as Na)	mg/L	CalMoMax									70				70.0
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			17.3			19			13			16	16.325
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax			17.3			19			13			16	16.325
Specific Conductance, Field	1000 umh/cm	CalMoAvg			1765			1715			1740			1686	1,726.5
Specific Conductance, Field	umh/cm	CalMoMax			1765			1715			1740			1686	1,726.5
Turbidity	25 NTU	CalMoAvg			95			103			100			92	97.5
Turbidity	NTU	CalMoMax			95			103			100			92	97.5

Surface Discharge Station SD005 (Tailings Basin Cell 2W Seep B)

<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 (HCO3)	305 mg/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Bicarbonates (HCO3)	mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Boron, Total (as B)	500 ug/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Boron, Total (as B)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Calcium, Total (as Ca)	mg/L	CalMoMax									NoDis				
Cations, Total	meq/L	CalMoMax									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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Surface Discharge Station SD005 (Tailings Basin Cell 2W Seep B)

<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>
Cobalt, Total (as Co)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Flow	MG	CalMoTot			NoDis			NoDis			NoDis			NoDis	
Flow	mgd	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Fluoride, Total (as F)	mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Hardness, Carbonate (as CaCo3)	250 mg/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Hardness, Carbonate (as CaCo3)	mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Magnesium, Total (as Mg)	mg/L	CalMoMax									NoDis				
Manganese, Total (as Mn)	ug/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Mercury, Total (as Hg)	ug/L	CalMoMax				NoDis		NoDis		NoDis		NoDis			
pH, Field	8.5 SU	InstantMax			NoDis			NoDis			NoDis			NoDis	
pH, Field	6.5 SU	InstantMin			NoDis			NoDis			NoDis			NoDis	
Potassium, Total (as K)	mg/L	CalMoMax									NoDis				
Salinity, Total	mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Sodium, % Total Cations in meq/L	%	CalMoMax									NoDis				
Sodium, Total (as Na)	mg/L	CalMoMax									NoDis				
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Specific Conductance, Field	1000 umh/cm	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Specific Conductance, Field	umh/cm	CalMoMax			NoDis			NoDis			NoDis			NoDis	
Turbidity	25 NTU	CalMoAvg			NoDis			NoDis			NoDis			NoDis	
Turbidity	NTU	CalMoMax			NoDis			NoDis			NoDis			NoDis	

Surface Discharge Station SD006 (Power Line Access Road Culvert)

<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 (HCO3)	305 mg/L	CalMoAvg			540			410			410			537	474.25
Bicarbonates (HCO3)	mg/L	CalMoMax			540			410			410			537	474.25
Boron, Total (as B)	500 ug/L	CalMoAvg			360			365			346			399	367.5
Boron, Total (as B)	ug/L	CalMoMax			360			365			346			399	367.5
Calcium, Total (as Ca)	mg/L	CalMoMax									58				58.0
Cations, Total	meq/L	CalMoMax									15				15.0
Cobalt, Total (as Co)	ug/L	CalMoMax			0.58			<0.4			<0.2			0.4	0.49
Flow	MG	CalMoTot			22.25			19			34			43	29.563

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Surface Discharge Station SD006 (Power Line Access Road Culvert)

<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	mgd	CalMoMax			0.72			0.64			1.1			1.4	0.965
Fluoride, Total (as F)	mg/L	CalMoMax			2.87			2.3			2.3			2.9	2.593
Hardness, Carbonate (as CaCo3)	250 mg/L	CalMoAvg			540			410			410			537	474.25
Hardness, Carbonate (as CaCo3)	mg/L	CalMoMax			540			410			410			537	474.25
Iron, Dissolved (as Fe)	1.0 mg/L	CalMoAvg			<0.05			<0.05			<0.05			<0.05	
Iron, Dissolved (as Fe)	2.0 mg/L	CalMoMax			<0.05			<0.05			<0.05			<0.05	
Magnesium, Total (as Mg)	mg/L	CalMoMax									109				109.0
Manganese, Total (as Mn)	ug/L	CalMoMax			503			148			105			646	350.5
Mercury, Total (as Hg)	ug/L	CalMoMax				0.0006		0.0006		0.0008		<0.0005			0.001
pH, Field	8.5 SU	InstantMax			7.4			7.8			7.1			7.7	7.5
pH, Field	6.5 SU	InstantMin			7.4			7.8			7.1			7.7	7.5
Potassium, Total (as K)	mg/L	CalMoMax									14				14.0
Salinity, Total	mg/L	CalMoMax			900			700			500			800	725.0
Sodium, % Total Cations in meq/L	%	CalMoMax									38				38.0
Sodium, Total (as Na)	mg/L	CalMoMax									75				75.0
Solids, Total Suspended (TSS)	20 mg/L	CalMoAvg			2			2.5			2			1	1.875
Solids, Total Suspended (TSS)	30 mg/L	CalMoMax			2			2.5			3			1	2.125
Specific Conductance, Field	1000 umh/cm	CalMoAvg			1711			1277			1287			1690	1,491.25
Specific Conductance, Field	umh/cm	CalMoMax			1711			1277			1295			1690	1,493.25
Toxicity, Whole Effluent (Chronic)	1.0 TUc	InstantMax									<1.0				
Turbidity	25 NTU	CalMoAvg			2.2			1.4			3			2	2.15
Turbidity	NTU	CalMoMax			2.2			1.4			3			2	2.15

Surface Water Station SW003 (Site 3, unnamed crk trib to Embarrass R)

<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>
Chloride, Total	mg/L	SingleVal			25.9			14			19			NoFlo	19.633
Flow, Stream, Instantaneous	cfs	SingleVal			2.73			9.6			3.2			NoFlo	5.177
pH, Field	SU	SingleVal			7.4			7.6			7.8			NoFlo	7.6
Solids, Total Dissolved (TDS)	mg/L	SingleVal			888			505			589			NoFlo	660.667
Specific Conductance, Field	umh/cm	SingleVal			1454			828			919			NoFlo	1,067.0
Sulfate, Total (as SO4)	mg/L	SingleVal			295			135			144			NoFlo	191.333
Temperature, Water (C)	Deg C	SingleVal			0.1			19.6			12.2			NoFlo	10.633

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Surface Water Station SW004 (Embarrass R at CR 620 [Salo Rd] bridge)

<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>
Chloride, Total	mg/L	CalMoMax			4.62			3.5			5.4			3.0	4.13
Flow, Stream, Instantaneous	cfs	CalMoMax			0.59			1.0			11			3.7	4.073
Manganese, Total (as Mn)	ug/L	CalMoMax			1530			528			102			594	688.5
pH, Field	SU	InstantMax			6.9			6.7			6.4			6.9	6.725
pH, Field	SU	InstantMin			6.9			6.7			6.1			6.9	6.65
Specific Conductance, Field	umh/cm	CalMoMax			212			110			130			127	144.75
Sulfate, Total (as SO4)	mg/L	CalMoMax			2.26			1.2			2.0			1.5	1.74
Temperature, Water (C)	Deg C	CalMoMax			0.2			15.6			11.0			0.2	6.75

Surface Water Station SW005 (Embarrass R at Hwy 135 Bridge, White Twp)

<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>
Chloride, Total	mg/L	CalMoMax			9.52			3.3			4.2			6.4	5.855
Flow, Stream, Instantaneous	cfs	CalMoMax			10.6			31			73			50	41.15
pH, Field	SU	InstantMax			7.3			7.4			7.2			7.1	7.25
pH, Field	SU	InstantMin			7.3			7.4			7.2			7.1	7.25
Specific Conductance, Field	umh/cm	CalMoMax			745			231			203			338	379.25
Sulfate, Total (as SO4)	mg/L	CalMoMax			161			23			20			45	62.25
Temperature, Water (C)	Deg C	CalMoMax			0.3			19.5			12.5			0.3	8.15

Waste Stream Station WS001 (NW side of Emergency Basin)

<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>
Elevation of Water Level Relative to Ref Point	feet	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Elevation of Water Level Relative to Ref Point	feet	CalMoMax	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	

Waste Stream Station WS002 (NW Seepage Coll Return Pumping to TB)

<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	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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Waste Stream Station WS003 (NE Seepage Coll Return Pumping to TB)

<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	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	

Waste Stream Station WS007 (Treated sewage to Emergency Basin)

<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)	9.9 kg/day	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
BOD, Carbonaceous 05 Day (20 Deg C)	16 kg/day	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
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	
Chlorine, Total Residual	mg/L	DailyMax	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			
Fecal Coliform, MPN or Membrane Filter 44.5C	#100ml	MxCaIWkAvg					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	CalMoMax	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
pH, Field	9.0 SU	InstantMax	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
pH, Field	6.0 SU	InstantMin	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Solids, Total Suspended (TSS)	12 kg/day	CalMoAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	
Solids, Total Suspended (TSS)	18 kg/day	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	
Solids, Total Suspended (TSS)	45 mg/L	MxCaIWkAvg	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	NoFlo	

Waste Stream Station WS009 (Culvert under RR grade, NE side Cell 1E)

<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>
Boron, Total (as B)	ug/L	CalMoMax				30.1			NoFlo			NoFlo			30.1
Flow	MG	CalMoTot				3.8			NoFlo			NoFlo			3.8
Flow	mgd	CalMoMax				0.128			NoFlo			NoFlo			0.128
Molybdenum, Total (as Mo)	ug/L	CalMoMax				0.74			NoFlo			NoFlo			0.74
Specific Conductance, Field	umh/cm	CalMoMax				251			NoFlo			NoFlo			251.0
Sulfate, Total (as SO4)	mg/L	CalMoMax				9.72			NoFlo			NoFlo			9.72

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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Waste Stream Station WS011 (Tailings Basin Seep 1)

<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				NoFlo			NoFlo			NoFlo			
Flow	mgd	CalMoMax				NoFlo			NoFlo			NoFlo			
pH, Field	SU	InstantMax				NoFlo			NoFlo			NoFlo			
pH, Field	SU	InstantMin				NoFlo			NoFlo			NoFlo			
Specific Conductance, Field	umh/cm	CalMoMax				NoFlo			NoFlo			NoFlo			

Waste Stream Station WS012 (Tailings Basin Seep 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				NoFlo			NoFlo			NoFlo			
Flow	mgd	CalMoMax				NoFlo			NoFlo			NoFlo			
pH, Field	SU	InstantMax				NoFlo			NoFlo			NoFlo			
pH, Field	SU	InstantMin				NoFlo			NoFlo			NoFlo			
Specific Conductance, Field	umh/cm	CalMoMax				NoFlo			NoFlo			NoFlo			

Waste Stream Station WS013 (Tailings Basin Seep 3)

<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 (HCO3)	mg/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Boron, Total (as B)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Calcium, Total (as Ca)	mg/L	CalMoMax							NoFlo						
Cations, Total	meq/L	CalMoMax							NoFlo						
Cobalt, Total (as Co)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Copper, Total (as Cu)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Flow	MG	CalMoTot				NoFlo			NoFlo			NoFlo			
Flow	mgd	CalMoMax				NoFlo			NoFlo			NoFlo			
Fluoride, Total (as F)	mg/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Hardness, Carbonate (as CaCo3)	mg/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Magnesium, Total (as Mg)	mg/L	CalMoMax							NoFlo						
Manganese, Total (as Mn)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Mercury, Total (as Hg)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Molybdenum, Total (as Mo)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Nickel, Total (as Ni)	ug/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Nickel, Total (as Ni)	ug/L	CalMoMax				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

Cliffs Erie - HL Tailings Basin Area (MN0054089)

First DMR in Delta: 7/1999

Waste Stream Station WS013 (Tailings Basin Seep 3)

<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>
pH, Field	SU	InstantMax				NoFlo			NoFlo			NoFlo			
pH, Field	SU	InstantMin				NoFlo			NoFlo			NoFlo			
Potassium, Total (as K)	mg/L	CalMoMax							NoFlo						
Salinity, Total	mg/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Sodium, % Total Cations in meq/L	%	CalMoMax							NoFlo						
Sodium, Total (as Na)	mg/L	CalMoMax							NoFlo						
Solids, Total Suspended (TSS)	mg/L	CalMoMax				NoFlo			NoFlo			NoFlo			
Specific Conductance, Field	umh/cm	CalMoMax				NoFlo			NoFlo			NoFlo			
Sulfate, Total (as SO4)	mg/L	CalMoMax				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.