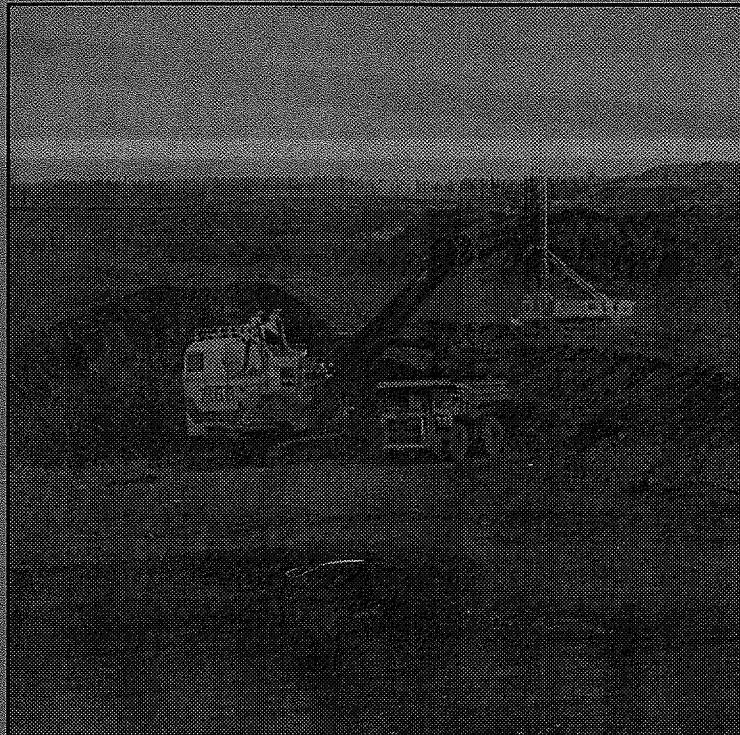


**The  
Annual Report  
of the  
Inspector of Mines**



**2002**

**INSPECTOR OF MINES**  
Barry D. Lesar

**OFFICE AT**  
St. Louis County Garage  
Highway 135 East  
Virginia, Minn. 55792

**PHONE: 218-742-9840**

The  
**ANNUAL REPORT**  
of the  
**INSPECTOR OF MINES**  
St. Louis County, Minnesota

\*\*\*\*\*

2002

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**INSPECTOR OF MINES**  
Barry D. Lesar  
124 Wyandotte Road  
Hoyt Lakes, Minnesota 55750  
**HOME PHONE: 218-225-3203**  
**OFFICE PHONE: 218-742-9840**  
**MOBILE UNIT: CD-28**  
**E-MAIL: lesarb@co.st-louis.mn.us**  
**Fax: 218-741-7832**

**ASSISTANT MINE INSPECTOR**  
Stanley J. Rojeski, Jr.  
4554 Vermilion Trail  
Gilbert, Minnesota 55741  
**HOME PHONE: 218-865-6945**  
**OFFICE PHONE: 218-742-9842**  
**MOBILE UNIT: CD-27**

**ASSISTANT MINE INSPECTOR**  
Paul T. Wier  
2311 Station 44 Road  
Eveleth, Minnesota 55734  
**HOME PHONE: 218-744-2806**  
**OFFICE PHONE: 218-742-9843**  
**MOBILE UNIT: CD-20**

**OFFICE AT**  
**ST. LOUIS COUNTY GARAGE**  
**7823 HIGHWAY 135 EAST**  
Virginia, Minnesota 55792  
**PHONE: 218-742-9840**

\*\*\*\*\*

**THE ST. LOUIS COUNTY BOARD OF COMMISSIONERS**

District 1 ..... Dennis Fink, Duluth, Minnesota  
District 2 ..... Joanne Fay, Duluth, Minnesota  
District 3 ..... William J. Kron, Duluth, Minnesota  
District 4 ..... Mike Forsman, Ely, Minnesota  
District 5 ..... Peg Sweeney, Gnesen Township, Minnesota  
District 6 ..... Keith Nelson, Virginia, Minnesota  
District 7 ..... Steve Raukar, Kelly Lake, Minnesota

December 31, 2002

**THE HONORABLE BOARD OF COMMISSIONERS  
ST. LOUIS COUNTY  
COURT HOUSE  
DULUTH, MN 55802-1202**

Dear Chairman Fink, and Fellow Commissioners:

The Annual Report of the Inspector of Mines for the year 2002 is herewith submitted.

While this has been a difficult year in the mining industry in Northern Minnesota, with the continuing uncertainties in the mining industry and the potential for further reductions in operating mines. It has also been a year which shows what can be accomplished if people work together in making the industry safer.

The total employment for the year was 4,036 and these people worked a total of 7,970,455.7 manhours.

There were 345,649 tons of ore shipped and 38,742,859 tons of taconite pellets shipped from these mines. There were 61,422,099 tons of stripping and waste removed from these mines.

Inspections and visits for 2002 were as follows: Approximately 501 inspections\*, visits and investigations were made to the operating and non-operating mines. There were no fatalities and 60 lost time or serious accidents reported.

Acknowledgement and appreciation is extended to both Labor and Management for their continued interest, efforts and cooperation in the field of safety and health throughout the mines and plants in St. Louis County.

Respectfully submitted,



Barry D. Lesar  
Inspector of Mines  
St. Louis County

\* this number is down due to both the reduced mining activity and the loss of one Inspector due to retirement, which has placed a greater burden on the remaining employees in this division

Excerpts from the Law On

**INSPECTOR OF MINES**

**CHAPTER 180**

**MINNESOTA STATUTES**

**SECTION 180.10**

**REMOVAL OF FENCE; GUARD**

Any worker, employee, or other person who shall open, remove, or disturb any fence, guard, barrier, sign, or rail and not close or replace or have the same closed or replaced again around or in front of any shaft, pit, chute, excavation, cave, or land liable to cave, injure, or destroy, whereby accident, injury, or damage results, either to the mine or those at work therein, or to any other person, shall be guilty of a misdemeanor. A worker, employee, or other person who, in regard to any fence, guard, barrier, sign, or rail, does any of the acts prohibited by section 609.52, commits theft of the fence, guard, barrier, sign, or rail may be sentenced as provided in section 609.52.

**SUMMARY OF STATISTICS  
MINES OF ST. LOUIS COUNTY, MINNESOTA  
2002**

Number of Mining Companies .....	8
Number of Mines in Operation .....	7
Number of Plants in Operation .....	7
Number of Wash Plants .....	1
Number of Mines Inactive .....	284
Number of Abandoned Mine Shafts .....	62
Total Number of Mines and Plants .....	291
Total Pellets Shipped .....	38,742,859
Total Ore Shipped .....	345,649
Taconite Mined .....	130,118,859
Stripping and Waste Removal, Tons .....	61,422,099
Total Material Moved, Tons Estimate .....	191,540,958
Total People Employed .....	4,036
Number of Fatal Accidents, Open Pit .....	0
Number of Fatal Accidents, Plant .....	0
Total Number of Fatal Accidents .....	0
Fatalities per 1,000 People Employed .....	0
*Number of Lost-time and Time Charged Accidents .....	60
Total Number of Man-hours Worked .....	7,970,455.7
Number of Visits, Inspections and Investigations .....	501

\* - DUE TO CHANGES IN REPORTING PROCEDURES THIS NUMBER ALSO REFLECTS NON-LOST TIME INCIDENTS.

**LABOR CLASSIFICATION AND HOURLY RATES**

Shift Difference: .....	Sunday 11/4 Time
.....	Afternoon \$0.30
.....	Night \$0.45

**2002 WAGE RATES INCENTIVE NOT INCLUDED**

Job Class	Wage Rate	Job Class	Wage Rate
1 & 2 .....	14.242	14 .....	16.582
3 .....	14.437	15 .....	16.677
4 .....	14.632	16 .....	16.972
5 .....	14.827	17 .....	17.167
6 .....	15.022	18 .....	17.362
7 .....	15.217	19 .....	17.557
8 .....	15.412	20 .....	17.752
9 .....	15.607	21 .....	17.974
10 .....	15.802	22 .....	18.142
11 .....	15.997	23 .....	18.337
12 .....	16.192	24 .....	18.532
13 .....	16.387		

These wage rates are from one of the Taconite properties only, each company has different wage rates as per their individual contracts.

YEAR	MINES	TONS SHIPPED	EMPLOYED	INJURED	FATALS	FAT/1000	WAGES
1905-10	(Average per year)		13,320		73	5.44	2.110
1910-11			19,918		78	3.91	2.640
1911-12			15,286		51	3.31	2.575
1912-13			16,048		44	2.74	2.705
1913-14			16,000		43	2.59	2.310
1914-15			11,430		24	2.10	2.421
1915-16			14,639		34	2.32	2.923
1916-17			14,779		22	1.51	3.391
1917-18	(Sliver Cave Disaster)		15,307		60	3.92	4.347
1918-19			14,212		33	2.32	5.645
1919-20	114	25,349,924	14,121		36	2.55	6.010
1920-21	102	27,165,386	12,043		26	2.16	6.037
1921-22	84	13,398,525	9,688		24	3.48	4.062
1923	90	33,147,517	11,896		27	2.27	5.076
1924	75	22,808,875	11,538		21	1.82	5.144
1925	76	29,077,679	10,180		18	1.77	5.126
1926	66	32,583,943	9,225		15	1.63	5.283
1927	70	28,052,363	9,038		22	2.43	5.305
1928	59	29,704,774	8,022		9	1.12	5.230
1929	57	35,680,720	8,008		17	2.12	5.340
1930	50	25,196,155	7,752		13	1.68	5.280
1931	32	12,270,886	4,824		4	0.83	5.260
1932	30	1,773,750	2,243		2	0.89	4.308
1933	35	10,809,167	2,843		1	0.35	4.433
1934	42	11,781,226	4,272		2	0.47	4.830
1935	40	13,703,715	4,079		6	1.47	5.060
1936	42	23,322,975	4,694		6	1.28	4.800
1937	52	36,536,326	6,356		5	0.79	6.200
1938	38	10,976,760	3,773		4	1.06	5.816
1939	43	24,156,258	4,589		3	0.65	6.080
1940	47	36,493,781	5,547		1	0.18	6.400
1941	63	45,874,218	7,097	60	5	0.70	6.820
1942	60	53,923,635	8,101	107	14	1.70	7.030
1943	62	51,753,320	9,597	156	7	0.73	7.440
1944	66	50,532,679	9,390	247	6	0.64	7.750
1945	56	47,544,509	8,495	175	12	1.41	7.720
1946	60	38,380,361	7,100	167	6	0.84	7.720
1947	79	47,293,918	8,715	153	9	1.03	8.720
1948	80	52,020,563	10,286	178	5	0.49	9.480
1949	94	42,406,528	9,680	187	7	0.72	9.480
1950	109	48,671,966	10,257	159	4	0.38	10.480
1951	116	60,249,538	11,884	188	8	0.66	10.480
1952	122	48,192,132	10,838	160	2	0.18	11.480
1953	122	60,776,174	12,079	215	4	0.33	12.160
1954	121	49,845,118	9,925	157	4	0.40	12.560
1955	127	36,137,304	10,381	151	2	0.19	14.850
1956	127	44,493,944	11,017	134	6	0.54	17.560

YEAR	MINES	TONS SHIPPED	EMPLOYED	INJURED	FATALS	FAT/1000	WAGES
1957	124	50,093,275	12,804	144	6	0.47	17.560
1958	90	30,495,093	10,250	83	0	0.00	18.400
1959	89	16,055,353	9,256	93	4	0.43	22.480
1960	95	39,526,879	11,797	132	2	0.16	22.430
1961	85	33,169,291	9,200	51	4	0.43	22.430
1962	46	23,269,349	8,676	57	1	0.11	22.430
1963	61	35,255,178	7,671	30	2	0.26	22.430
1964	42	39,115,088	8,102	26	1	0.12	22.430
1965	54	40,891,345	8,305	53	0	0.00	22.430
1966	49	44,412,473	9,445	56	4	0.43	22.430
1967	51	41,216,870	8,825	52	4	0.44	23.760
1968	53	43,078,879	9,125	55	2	0.22	25.640
1969	51	34,628,234	9,394	58	0	0.00	27.430
1970	49	33,648,268	9,631	71	5	0.52	28.520
1971	50	32,687,511	9,441	58	0	0.00	32.480
1972	46	35,100,156	9,431	63	0	0.00	34.096
1973	47	46,076,814	10,131	58	4	0.40	35.352
1974	49	51,745,763	10,667	60	1	0.09	44.360
1975	51	45,394,814	10,864	71	0	0.00	45.842
1976	52	41,425,833	11,514	77	1	0.09	47.368
1977	24	26,556,566	10,840	82	2	0.19	56.682
1978	26	50,806,547	13,056	138	1	0.08	64.344
1979	26	54,530,338	13,267	164	0	0.00	70.832
1980	18	42,076,497	11,441	107	1	0.09	80.112
1981	12	47,300,056	11,630	96	0	0.00	89.472
1982	11	22,335,570	7,626	44	0	0.00	94.192
1983	9	26,843,983	5,935	50	2	0.34	84.19
1984	9	30,463,941	6,305	55	0	0.00	87.39
1985	9	31,948,722	5,539	29	0	0.00	90.60
1986	9	26,608,768.51	5,250	33	0	0.00	94.19
1987	9	30,063,909	4,857	26	1	0.21	94.19
1988	9	37,250,242.97	4,546	41	1	0.18	94.19
1989	9	38,421,803	5,664	55	2	0.35	94.19
1990	9	41,441,888	6,379	40	1	0.16	94.19
1991	10	38,420,014	6,468	49	0	0.00	94.19
1992	10	37,684,439	6,325	110	0	0.00	106.94
1993	9	39,338,920	5,953	133	0	0.00	106.94
1994	9	43,976,323.01	6,051	97	1	0.17	93.936
1995	9	47,030,820.33	6,005	87	0	0.00	97.936
1996	8	46,144,620.64	6,032	96	0	0.00	101.936
1997	8	46,978,014	6,129	84	0	0.00	103.616
1998	8	46,862,734	5,962	114	1	0.17	105.936
1999	9	43,136,042	5,633	99	0	0.00	105.936
2000	9	44,806,128	5,610.7	77	1	0.18	109.936
2001	8	34,144,559.29	4,212	60	0	0.00	113.936
2002	8	39,087,907	4,036	60	0	0.00	113.936

**REPORT TO COUNTY INSPECTOR OF MINES**  
**(Minnesota Statutes 180)**  
**ORE SHIPPED FROM MINES, TONS OF STRIPPING REMOVED**  
**NUMBER OF PEOPLE EMPLOYED, MINES OF ST. LOUIS COUNTY, MINNESOTA**  
**YEAR ENDING DECEMBER 31, 2002**

MINES AND SUPERINTENDENTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PELLETS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE *	AVG. NO. PEOPLE EMPLOYED PLANTS/PITS	MAN HOURS	MONTHS WORKED
CLIFFS ERIE L.L.C. James Scott Operations Manager T. 59, 60, R. 12, 15	Shut Down and Deactivation activities for the old LTV Steel Plant				Staff - 4	8,320	12
					Temp / Maint - 2	2,300	12
					Temp / Reclamation - 5	3,800	5
					Temp / Tech - 1	1,936	12
EVTAC MINING Howard Hilshorst, President Dave Kolehmainen, Maint. Manager Craig Hartman, Mine Manager John Tamminen, Plant Manager		Pellets - 4,185,701	13,283,572	8,222,141	438	852,267.7	12
		Sinter - 185,216					
		Super Chips - 24,035					
		Concentrate - 42,303					
NATIONAL STEEL PELLET CO. Keewatin, MN T. Peluso, Manager Parts of Sec. 7, 8, & 9 T. 57, R. 21	St. Louis Cty. Itasca Cty.	0 5,488,583	0 19,068,584	0 6,582,380	Pit - 206 Plant - 227 Office - 38	939,808.5	12



**REPORT TO COUNTY INSPECTOR OF MINES**  
 (Minnesota Statutes 180)  
**ORE SHIPPED FROM MINES, TONS OF STRIPPING REMOVED**  
**NUMBER OF PEOPLE EMPLOYED, MINES OF ST. LOUIS COUNTY, MINNESOTA**  
**YEAR ENDING DECEMBER 31, 2002**

MINES AND SUPERINTENDENTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PELLETS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE *	AVG. NO. PEOPLE EMPLOYED PLANTS/PITS	MAN HOURS	MONTHS WORKED
HIBBING TACONITE CO. J.N. Tuomi, Manager T. 57, R. 20, & 21		7,514,180	26,415,447	19,728,478	746	1,380,416	11
ISPAT INLAND MINING Minorca Mine J.H. Holmes, Manager		34,104 Acid Pellet 2,752,224 Flux Pellet 92,689 Flux Chips	8,319,510	9,486,476	352	688,802	12
AUBURN MINERALS LLC AUBURN MINE Virginia City Mike Skubic - Mine Manager	345,649 Shipped from Stockpile	0		0	15	9,770.5	4
NORTH SHORE MINING COMPANY Babbitt, Silver Bay R. Berglund, General Manager		3,782,033	12,129,602	4,595,990	Babbitt - 175 Silver Bay - 325	949,640	12

**REPORT TO COUNTY INSPECTOR OF MINES  
(Minnesota Statutes 180)  
ORE SHIPPED FROM MINES, TONS OF STRIPPING REMOVED  
NUMBER OF PEOPLE EMPLOYED, MINES OF ST. LOUIS COUNTY, MINNESOTA  
YEAR ENDING DECEMBER 31, 2002**

MINES AND SUPERINTENDENTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PELLETS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE *	AVG. NO. PEOPLE EMPLOYED PLANTS/PITS	MAN HOURS	MONTHS WORKED
USX CORPORATION J.E. Swearingen, Gen. Mgr. Minntac Plant, Mt. Iron T. 58, R. 17 Minntac Mine  Minntac Plant  Shop, Warehouse & Miscellaneous		14,641,190	50,902,144	12,806,634			
				MINE -	497	1,037,383	12
				PLANT -	573	1,195,842	12
				Shops Etc. -	432	900,170	12
TOTAL PELLETS		38,742,258 tons	130,118,859 tons	61,422,099 tons*	4,036	7,970,455.7	Avg. 9.92
TOTAL RAW ORE	345,649 tons						
TOTAL RAW ORE AND PELLETS	39,087,907 tons	TOTAL NATURAL ORE & TACONITE MINED 130,118,859 tons					

\* - Reporting was changed from Cubic Yards to Tons to more accurately measure material movement

**MINING COMPANIES, MINE OPERATIONS,  
SAFETY PERSONNEL AND OTHER AGENCIES**

**CLIFFS ERIE L.L.C**

P.O. Box 900  
Hoyt Lakes, Minnesota 55750  
Phone: 218-225-4250  
Fax: 218-225-4230

Bruce Gerlach ..... Area Manager, Facilities  
Jim Scott ..... Operations Manager

\* \* \* \* \*

**EVTAC MINING**

P.O. Box 180  
Eveleth, Minnesota 55734  
Phone: 218-744-7800

Howard Hilshorst ..... President  
Jim Hecimovich ..... Vice President, Chief Executive Officer  
Robert Verville ..... Vice President, Treasurer  
David Kolehmainen ..... Maintenance Manager  
John Tamminen ..... Plant Manager  
Craig Hartman ..... Mine Manager  
Terry Browning ..... Director, Employee Services  
Rob Campbell ..... Loss Control Manager  
Dan Anderson ..... Safety Coordinator, Mine  
Brian Lahti ..... Safety Coordinator, Plant

\* \* \* \* \*

**NATIONAL STEEL PELLET COMPANY**

P.O. Box 217  
Keewatin, Minnesota 55753  
Phone: 218-778-6521

Thomas Peluso ..... General Manager  
Terry Marolt ..... Senior Division Manager Operation  
Dave Draves ..... Controller  
Jerry Adam ..... Division Manager - Mine Maintenance  
Duane Kokkinen ..... Division Manager - Mine Operations  
Darrell Maki ..... Division Manager - Plant  
Robert Buescher ..... Human Resources Director  
Karla McKenzie ..... Manager of Safety

\* \* \* \* \*

**AUBURN MINERALS, LLC**

Accounting - One Plainview Road  
Plain, Wisconsin 53577  
Operations - P.O. Box 961  
Virginia, MN 55792  
Phone: Accounting Office 608-546-2343  
Operations Office 218-749-6530

David Kraemer ..... Governor  
Dave Edmunds ..... Governor, & Assistant Manager  
Scott Peterson ..... Governor, & Treasurer  
Holly Skubic ..... Governor  
Michael Skubic ..... Governor & Mine Manager

\* \* \* \* \*

**HIBBING TACONITE COMPANY**

P.O. Box 589  
Hibbing, Minnesota 55746  
Phone: 218-262-6800

J.N. Tuomi ..... General Manager  
D.R. Ekmark ..... Asst. General Manager  
N.J. MacLeod ..... Asst. General Manager  
S.G. Rogers ..... Area Manager, Technical Services  
T.S. Tomsich ..... Area Manager - Financial Control  
W.T. Williams ..... Area Manager - Mining  
J.J. Benchina ..... Sr. Section Manager - Central Shops  
T.W. Nanti ..... Area Manager - Concentrating  
E.M. Latendresse ..... Area Manager - Pelletizing  
T.E. Miller ..... Sr. Area Manager - Human Resources  
D.G. Pollock ..... Sr. Section Manager - Purchasing  
J.M. Kannas ..... Sr. Section Manager - Safety/Loss Control  
J.T. Crowell ..... Sr. Area Manager - Operations Improvement  
D.E. McLaughlin ..... Sr. Section Manager - Electrical

\* \* \* \* \*

**ISPAT INLAND MINING  
MINORCA MINE**  
5950 Old Hwy. 53  
Virginia, Minnesota 55792  
Phone: 218-749-5910  
Fax: 218-749-5256

**DIRECTORS**

Jonathan H. Holmes, Gary Van Asperen, Peter D. Southwick

**ISPAT INLAND MINING OFFICERS**

Peter D. Southwick ..... President & COO  
Jonathan H. Holmes ..... Vice President  
Thomas A. McCue ..... Treasurer  
Edward C. McCarthy ..... Secretary  
Marc R. Jeske ..... Assistant Secretary

**SECTION MANAGERS**

J.H. Holmes ..... Manager - Minorca Mine  
R.E. Aaseng ..... Section Manager - Plant/Crushing  
W.M. Bond ..... Manager - Business & Operating Technology  
S.T. VonWald ..... Section Manager - Electrical Systems  
M.C. Mourin ..... Section Manager - Administration  
J.R. Richards ..... Sr. Staff Accountant - Operating Technology,  
Controller  
J. J. Malevich ..... Sr. Staff Coordinator - Administration,  
Purchasing Agent  
S. W. Harrison ..... Section Manager - Pit

\* \* \* \* \*

**NORTHSHORE MINING COMPANY**

10 Outer Drive  
Silver Bay, Minnesota 55614  
Phone: 218-226-4125

R. Berglund ..... General Manager  
M. Johnson ..... Assistant General Manager  
M. Buckely ..... Area Manager, Technical Services  
B. Bundschuh ..... Area Manager, Silver Bay Power & Energy  
C. Viola ..... Area Manager, Finance Control  
C. Allie ..... Manager, Silver Bay Operations  
P. Ray ..... Area Manager, Railroad  
K. Kerschen ..... Manager, Human Resources  
J. Sandstrom ..... Area Manager, Mine  
B. Baird ..... Safety Representative  
K. Alvey ..... Area Manager, Safety and Loss Control

**NORTHSHORE MINING AREA SAFETY COORDINATORS**

Phone: 218-827-2101

Scott Eckman ..... Maintenance  
Steve Thompson ..... Maintenance  
Thomas Edman ..... Maintenance  
Duane Solberg ..... Maintenance  
Carl Lekatz ..... Railroad  
Laurie Rasmussen ..... Administration  
Merle Vandervest ..... Mine  
Don Mather ..... Mine  
Brad Sader ..... Mine

\* \* \* \* \*

**USS, A DIVISION OF USX CORPORATION**

Minnesota Ore Operations

General Office - Mt. Iron, Minnesota 55768

Phone: 218-749-7200

J.E. Swearingen ..... General Manager  
J.E. Skube ..... Manager - Employee Relations

**ORE OPERATIONS**

J. Scipioni ..... Division Manager - Plants  
M. Keppel ..... Division Manager - Mining  
S.D. Starkovich ..... Senior Staff Supervisor - Safety & Security  
B. Rauzi ..... Staff Supervisor - Safety  
D.R. Savela ..... Staff Supervisor - Safety

\* \* \* \* \*

**LAKE SUPERIOR MINES SAFETY COUNCIL  
EXECUTIVE COMMITTEE**

John Koivisto ..... Hibbing Taconite Company  
Gus Josephson ..... ISPAT Inland Mining Company  
Rob Campbell ..... EVTAC Mining Company  
Steve Starkovich ..... USS Minnesota Ore Operations  
Karla McKenzie ..... National Steel Pellet Company  
Kimball Alvey ..... Northshore Mining Company  
Steve Roberts ..... Empire Iron Mining Partnership  
Scott Hoiem ..... Tilden Magnetite Partnership

**OTHER MEMBERS**

Terry Severn ..... Cleveland Cliffs, Inc.  
Tom Gregorich ..... Hibbing Community College

**ALWORTH LAND & IMPROVEMENT COMPANY**

1605 Alworth Building  
Duluth, Minnesota 55802  
Phone: 218-722-0816

R.K. Prescott ..... Chairman  
Nicholas B. Alworth ..... Vice Chairman  
Steven G. LaFlamme ..... President  
Roger D. Wedin ..... Executive Vice President  
George W. Kratzner, II ..... Treasurer  
Thea M. Littler ..... Secretary

\* \* \* \* \*

**THE AMERICAN IRON ORE ASSOCIATION**

915 Rockefeller Building  
614 Superior Avenue West  
Cleveland, Ohio 44113-1383  
Phone: (216) 241-8261  
FAX: (216) 241-8262

G.J. Ryan ..... Executive Director/President/Treasurer  
C.A. Lane ..... Secretary/Assistant Treasurer

\* \* \* \* \*

**CONGDON MINERAL MANAGEMENT INC.**

1910 East 8th Avenue  
Hibbing, Minnesota 55746  
Phone: 218-262-6127

John P. Congdon ..... President  
David C. Adams ..... Vice President  
David C. Dudley ..... Vice President, Secretary, Treasurer  
David G. Meineke ..... Vice President  
Susan K. Milani ..... Assistant Treasurer  
Bethany J. Hooper ..... Assistant Secretary

\* \* \* \* \*

**EVELETH FEE OFFICE, INC.**

301 McKinley Avenue  
P.O. Box 521  
Eveleth, Minnesota 55734-0521  
Phone: 218-744-4646  
Fax: 218-744-2149

Daniel L. England ..... President  
Thomas J. Malkovich ..... Vice President/Manager of Mines  
Beverly A. Saranpaa ..... Administrative Assistant

\* \* \* \* \*

**GREAT NORTHERN IRON ORE PROPERTIES**

801 East Howard Street  
P.O. Box 429  
Hibbing, Minnesota 55746-0429  
Phone: 218-262-3886  
Fax: 218-262-4295

J.S. Micallef ..... President and CEO  
J.H. Roe, III ..... Trustee  
R.W. Staehle ..... Trustee  
R.A. Stein ..... Trustee  
T.A. Janochoski ..... Vice President and CFO  
R.P. Johnson ..... Manager of Mines  
K.A. Baehr ..... Manager of Accounting

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**HARTLEY OFFICE**

740 East Superior Street  
Duluth, Minnesota 55802  
Phone: 218-723-8060

Mark Myles ..... Trust Manager

\* \* \* \* \*

**IRON MINING ASSOCIATION OF MINNESOTA**

505 LONSDALE BUILDING  
302 West Superior Street  
Duluth, Minnesota 55802  
Phone: 218-722-7724  
Fax: 218-720-6707  
[www.taconite.org](http://www.taconite.org)

Frank Ongaro ..... President  
Bob Berglund ..... Chair, Board of Directors  
Jonathon Holmes ..... Vice Chairman, Board of Directors  
Robin Hayes ..... Membership Services/Office Manager

\* \* \* \* \*



**LEON IRON COMPANY**  
740 East Superior Street  
Duluth, Minnesota 55802  
Phone: 218-723-8060

Kenneth Maine ..... Chief Financial Officer  
Lawrence F. Bowman ..... Chief Executive Officer

\* \* \* \* \*

**ONONDAGA IRON COMPANY**  
740 East Superior Street  
Duluth, MN 55802  
Phone: 218-723-8060

Douglas H. Lewis ..... Chief Financial Officer  
Kenneth Maine ..... Chief Executive Officer

\* \* \* \* \*

**MERIDEN ENGINEERING LLC**  
1910 East 8th Avenue  
P.O. Box 650  
Hibbing, Minnesota 55746  
Phone: 218-262-6127

D.G. Meineke ..... President & CEO  
S.K. Milani ..... Treasurer  
G.D. Lindahl ..... Chief Mining Engineer

\* \* \* \* \*

**MESABI MINERAL ASSOCIATION**  
By Oneida Realty Company  
1605 Alworth Building  
Duluth, Minnesota 55802  
Phone: 218-722-0816

R.K. Prescott ..... Chairman

\* \* \* \* \*

**MINNESOTA DEPARTMENT OF NATURAL RESOURCES**

500 Lafayette Road  
St. Paul, Minnesota 55155  
(651) 296-4807  
FAX (651) 296-5939

A. Garber..... Commissioner  
W.C. Brice..... Director, Division of Lands and Minerals (LAM)  
K.A. Lewis..... Manager, Mineral Transactions (LAM)

**Division of Lands and Minerals**

1525 E. Third Avenue  
Hibbing, Minnesota 55746  
(218) 262-6767  
FAX (218) 262-7328

M.K. Vadis..... Assistant Director  
P.T. Clevensline..... Manager, Engineering  
A.S. Knoll..... Manager, Mineland Reclamation

\* \* \* \* \*

**STATE OF MINNESOTA  
IRON RANGE RESOURCES & REHABILITATION BOARD  
MINELAND RECLAMATION DIVISION**

P.O. Box 392  
Chisholm, Minnesota 55719  
Phone: (218) 254-7967 Fax: (218) 254-7973

John Swift..... Commissioner IRRRB  
B. Hiti..... Manager, Mining and Natural Resources Development  
P.O. Box 441  
Eveleth, MN 55734

R. Svatos..... Mineland Reclamation Director  
D. Jordan..... Natural Resources Forestry Specialist, Sr.  
B. Itkonen..... Mineland Reclamation Specialist, Sr.  
G. Gangl..... Groundskeeper, Sr.  
S. Perkovich..... Office Manager

\* \* \* \* \*

**MINNESOTA MINE INSPECTORS**

St. Louis County

Barry D. Lesar..... Inspector of Mines  
Stanley J. Rojaske, Jr. .... Assistant Mine Inspector  
Paul T. Wier..... Assistant Mine Inspector

**OFFICE AT  
ST. LOUIS COUNTY GARAGE**

Highway 135 East  
Virginia, Minnesota 55792  
Phone: 218-742-9840

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**UNITED STATES DEPARTMENT OF LABOR  
MINE SAFETY AND HEALTH ADMINISTRATION**

515 W. 1st Street #228

Duluth, Minnesota 55802-1302

COMM: 218-720-5448

FAX: 218-720-5650

Duluth Duty Field Station COMM: 218-720-5448

**DISTRICT OFFICE**

Felix A. Quintana ..... District Manager  
Steven M. Richetta ..... Assistant District Manager  
George F. Schorr ..... Industrial Hygienist (Health Specialist)  
William H. Pomroy ..... Mine Safety & Health Specialist  
(Safety Specialist)  
Thomas J. Pavlat ..... Mine Safety & Health Specialist (CLR)  
Wayne P. Mowbray ..... Mine Safety & Health Specialist  
Mary M. Mikulich ..... Management & Program Analyst  
Devon R. Willeck ..... Computer Specialist  
Lynda L. Moller ..... Management Assistant  
FlorAnne P. Nyquist ..... Mine Safety and Health Technician (OA)  
Tricia L. Johnson ..... Mine Inspection Records Clerk (OA)  
Kim S. Stevens ..... Mine Inspection Records Clerk (OA)

**EDUCATIONAL FIELD SERVICES**

David T. Couillard ..... Mine Safety & Health Specialist (Training)

**DULUTH DUTY FIELD STATION**

Dale E. Hedman ..... Mine Safety & Health Inspector  
Wayne L. Lundquist ..... Mine Safety & Health Inspector  
Abdon J. Friend ..... Mine Safety & Health Inspector  
Dennis J. Libertoski ..... Mine Safety & Health Inspector  
Robert A. Marincel ..... Mine Safety & Health Inspector

**HIBBING FIELD OFFICE**

522 East Howard Street, Suite 201A

Hibbing, Minnesota 55746

Phone: 218-262-5205

Fax: 218-262-1296

Russell T. Jarvi, Jr. .... Supervisory Mine Safety and Health Inspector  
William G. Dethloff III ..... Mine Safety & Health Inspector  
Alan J. Brandt ..... Mine Safety & Health Inspector (Electrical)  
Richard V. Boeckermann ..... Mine Safety & Health Inspector  
Christopher A. Hensler ..... Mine Safety & Health Inspector

\* \* \* \* \*

**MINNESOTA DEPARTMENT OF REVENUE**  
600 Robert Street  
St. Paul, Minnesota 55101  
Phone: (651) 296-3403 Fax: (651) 297-5309

Matthew G. Smith ..... Commissioner  
George Hoyum ..... Director, Special Taxes Division

**Minerals Tax Office**  
612 Pierce St.  
Eveleth, Minnesota 55734-1611  
Phone: (218) 744-7420 Fax: (218) 744-7421

Donald H. Walsh ..... Manager  
Thomas W. Schmucker ..... Administrative Engineer  
Norma J. Krogerus ..... Revenue Tax Specialist  
Robert Wagstrom ..... Mining Engineer  
Carolyn Koskela ..... Secretary

\* \* \* \* \*

**UNITED STEEL WORKERS OF AMERICA**  
**DISTRICT 11**

**MINNEAPOLIS OFFICE**  
Phone: 612-623-8045

Dave Foster ..... Director

**EVELETH SUB-DISTRICT OFFICE**  
Phone: 218-744-2757  
Fax: 218-744-7926

Herb Larsen ..... Sub-district Director  
Eldon Kirsch ..... International Representative  
Gene Skraba ..... Staff Representative  
Bob Bratulich ..... Staff Representative

\* \* \* \* \*

**UNITED STEEL WORKERS OF AMERICA  
LOCAL UNITS**

**LOCAL #4108  
LTV STEEL MINING COMPANY  
Phone: 218-229-3216**

Jerry Fallos ..... President  
Jim Kitter ..... Chairman, Safety Committee

**LOCAL #6860  
EVTAC  
Phone: 218-744-4480**

Sam Ricker ..... President  
Brian Lahti ..... Plant Safety Coordinator  
Dan Anderson ..... T-Bird Safety Coordinator  
Mike Bradach ..... Plant Safety Chairman  
Paul Horoshak ..... Mine Safety Chairman

**LOCAL #2660  
NATIONAL STEEL PELLET COMPANY  
Phone: 218-778-6909**

Rudy Aho ..... President  
Jack Thronson ..... Vice President  
Dave Simonson ..... Chairman, Safety Committee  
Ron Otte ..... Area Chair, Pellet Plant  
Kevin Noonan ..... Area Chair, Concentrator  
Dave Mlakar ..... Area Chair, Shops  
Jerald Kinkel ..... Area Chair, Pit  
Harlee Sirjord ..... Area Chair, Pond

**LOCAL #2705  
HIBBING TACONITE COMPANY**

Phone: 218-254-2492

Fax: 218-254-7100

115 W. Lake Street, Chisholm, MN 55719

Rich Rojeski ..... President  
Al Caliguiri ..... Chairman, Safety Committee  
Dave Tuin ..... First Co-Chairman, Safety Committee  
Glen Saarinen ..... Union Safety Representative

**LOCAL #6115  
ISPAT INLAND MINING**

Phone: 218-741-3310

Marty Henry ..... President  
Gerry Knaeble ..... Chairman, Safety Committee  
Kerry Santelli ..... Sub-Chairman, Plant Maintenance  
Kim Berens ..... Sub-Chairman, Plant Operations  
Jim Labernik ..... Sub-Chairman, Pit Maintenance  
Rick Olsen ..... Sub-Chairman, Pit Operating

**LOCAL #1938  
USX - MINNTAC MINE**

Phone: 218-741-0887

Mike Woods ..... President  
Richard Westlund ..... Vice President  
Steve Manninen ..... Recording Secretary  
Terry Johnson ..... Financial Secretary  
Mike Neri ..... Treasurer  
Tim Carlson ..... Safety Committee Chairman  
Jon Malek ..... Safety Committee Co-Chairman  
Dennis Jensrud ..... Safety Coordinator - Plants  
Rodney Moberg ..... Safety Coordinator - Mines

**INTERNATIONAL UNION OF OPERATING ENGINEERS  
AUBURN MINERALS LLC**

Phone: 218-741-8190

Thomas (Butch) Pariseau ..... VP & ABR  
Mike B. Fabish ..... ABR

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## **NON-FATAL LOST-TIME AND SERIOUS ACCIDENTS**

### **AUBURN MINERALS - No Accidents Reported for 2002**

#### **ISPAT- INLAND MINING COMPANY**

Roger Shoen, Mechanic, Date of Accident-January 29, 2002. Injured strained his upper back while pulling a pin out from a loader bucket. Days Lost-4.

Jim Kottke, Janitor, Date of Accident-March 14, 2002. Injured suffered a hernia while dumping a mop bucket. The hernia was repaired surgically. Days Lost-26.

Dan Arnberg, Primary Crusher Attendant, Date of Accident-May 23, 2002. Injured suffered a low back strain when a large rock fell out of the backhoe causing the machine tracks, which were slightly elevated, to drop suddenly to the ground. Days Lost- 61.

Leonard Baynton, Production Truck Driver, Date of Accident-June 27, 2002. Injured strained his lower back while pulling on a tow cable. Days Lost- 10.

#### **EVTAC MINING COMPANY**

##### **MINE**

Drills, Date of Accident-February 5, 2002. Injured was moving 39 drill to a new pattern. Employee slipped and fell to the ground causing two fractures in the left ankle and leg. Days Lost-90.

Electrical Technician, Date of Accident-October 10, 2002. Injured moved a pipe, approximately 20' long by 4" in diameter out of a roadway. This resulted in a hernia. Days Lost- 18.

Area Leader, Date of Accident-November 16, 2002. While boarding the step on the #9024 shovel, injured felt a pain in his groin. This resulted in a hernia. Days Lost- 18.

##### **PLANT**

Electrical Technician, Date of Accident- February 11, 2002. Injured was walking up a stairway when he stepped off the inside landing to the outside roof onto a broken wood pallet (approximately a 1 foot drop to the roof level). Resulted in a severely sprained right ankle. Days Lost- 2.

OMT Relief, Date of Accident-February 25, 2002. While unplugging a dust collector, injured opened the rear door of the collector. The employee felt pain in the lower right back and suffered a strained back. Days Lost-2.

Maintenance Mechanic, Date of Accident-February 27, 2002. Injured was installing belt rollers, while lifting and pulling rollers into place he felt a tearing sensation and a pop on the left side of his rib cage. His footing was uneven due to spillage from the belt. The employee was diagnosed as having a torn muscle and fractured rib. Days Lost 23.

Maintenance Mechanic, Date of Accident-February 25, 2002. Injured stepped on a sheet of plywood placed over grating for access to troughing roller tube fittings. He stepped on the front edge of the plywood, his foot rolled outward, stressing knee. Resulted in a medial meniscus tear. Days Lost-70.

Maintenance Mechanic, Kevin Miller, Date of Accident-April 12, 2002. Injured was operating a forklift. While backing up he grabbed the rear post with his hand and then backed the forklift into an object. Finger amputation was the result. Days Lost- 26.

Maintenance Mechanic, Date of Accident- April 19, 2002. Injured was kneeling on floor grating to remove magnets covering holes in a slurry distribution box. While reaching under box for magnets felt sharp pain in knee from edge of cross bars on the grating. Diagnosed as bursitis of the knee. Days Lost- 30.

Sr. OMT, Plant Ops, Date of Accident- August 4, 2002. Injured was changing into work clothes for the shift. Injured put on his work boots, then he put his right foot on bench to tie the laces. He then felt a pain in his back. This resulted in a back strain. Days Lost-2.

Laborer, Plant Operations, Date of Accident-May 2, 2002. Injured was shoveling rock onto conveyor when he felt something pop in back. Resulted in disc protrusion and tear, Days Lost-26.

OMT, Plant Operations, Date of Accident-July 31, 2002. Injured was cleaning waste rod scrap in front of #4 rod mill. Employee picked up 2 pieces of rod when he felt pain in upper thigh area, later diagnosed as a hernia. Days Lost- 21.

Maintenance Mechanic, Plant, Date of Accident-February 20, 2002. Injured was replacing bolts inside the #1 rod mill. While crawling through trommel screen and walking over uneven surface, felt strain in right knee and Achilles tendon. Later diagnosed as a cyst requiring surgery. Days Lost-31.



OMT, Plant Operation, Date of Accident-September 21, 2002. Injured was going to plug a hydraulic pump into a welding outlet located between Bypass pumps A and B. He stepped over a water line hanging about a foot above the floor. The trailing foot caught on a hose causing the employee to lose balance and fall to floor. Resulted in fractured right thumb and bruised right knee. Days Lost-72.

Electric Technician, Plant, Date of Accident-September 27, 2002. Injured was walking to jobsite. As employee was going to pass through a doorway, a splash of water and mud came through the doorway. Employee turned around, stepped over a hose and at that time someone yanked the hose and raised it off the floor. Employee tripped over that hose and fell to the floor. This resulted in a contusion, sprain, abrasion of the left knee and a contusion and sprain of the left shoulder. Days Lost-28.

### **HIBBING TACONITE COMPANY**

Steve McNamara, Mechanic, Date of Accident - January 29, 2002. Injured was in the process of leaving the plant site after a 4 hour overtime shift. While walking to the guard gate, injured stepped on the edge of the sidewalk alongside the guard shack. When he put his weight on the foot on the edge of the walkway, his foot slipped off the edge and he fell, striking his knee on the concrete walk. This resulted in bruised knee. Days Lost - 59

Todd Mortenson, Date of Accident - March 7, 2002, Injured was walking on the roof of the men's hourly dry to access a heater. In order to get to the heater injured had to squat to pass under a beam above the walkway. While moving under the beam injured fell and caught the little and middle finger of his right hand in the grating on the walkway. This resulted in a fracture to his right hand. Days Lost - 28

Steve Tervo, Maintenance Mechnnic Plant, Date of Accident - May 13, 2002, Injured and his partner were in the process of changing return rollers on the P4 conveyor. In order to change return idlers on this conveyor it is necessary for one person to use a man lift to access the side without a walkway. In this case injured was in the man lift properly tied off and his partner was on the interior walkway. While injured was assisting in passing the L.O. roller to his partner, the roller slipped and pinched his finger between the roller and the man lift handrail. This resulted in crushing injuries to his finger. Days Lost - 4

Tim Kuznia, Date of Accident - May 21, 2002, Injured was walking up a set of steps over the dribble belt while carrying a full sample pail of pellets. While climbing the two steps injured felt his knee give out. This resulted in a meniscal tear in the knee. Days Lost - 24

Antoinette Vicari, Date of Accident-May 21, 2002, Injured was walking down a stairway from the mill feed deck to the mill operating floor at line #1. She turned to walk toward line #6 and got her left foot caught in or on the end of a flexible 3" diameter metal hose. She fell hard, striking her left elbow on the concrete noor. This resulted in a fractured elbow. Days Lost-36

Don Frider, Maintenance Mechanic. Date of Accident-July 23, 2002. Injured was changing a flexible expansion joint cover on duct work for the #3 Pelletizing furnace. A large chunk of concentrate dust buildup, hidden behind the joint, fell and struck his right knee, hyper extending his right ankle. Days Lost-3

Tom McLaughlin, Service truck driver, Date of Accident- August 11, 2002. Injured was loading 34 pound shovel adapter wear caps by hand onto the back of a flatbed truck. Low back pain/strain. Days Lost-5.

Jim Bunn, Maintenance Mechanic, Date of Accident-July 31, 2002. Injured was setting up an expansion joint replacement project for the Line 3 furnace in the pellet plant. He struck his head on a low beam, injuring his neck. Days Lost-86 to date.

Allen Bluemke, Welder, Date of Accident-October 1, 2002. Injured attempted to manually move a portable stairway on the launder floor. The stair jammed between the sloped floor and an overhead pipe. As he pulled to free it, he lost his grip and fell backwards, striking his back on a valve hand wheel. Rib contusion. Days Lost- 3.

Jim Kubat, Welder, Date of Accident-June 12, 2002. Injured was lying on a floor creeper in the shop welding a lug on a 240 ton truck box. When finished, he put his left hand on the floor to push himself up. His left hand was on top of a "Huck" bolt, which caused his hand to slip, and his left elbow struck the floor. Later, he was diagnosed with a rotator cuff tear of the left shoulder requiring surgical repair. Days Lost- 29 to date.

**LTV CLIFFS LLC, ERIE MINE - No Accidents Reported for 2002**

### **NATIONAL STEEL PELLETT COMPANY**

Charlotte Nelson, Electrician, Date of Accident - January 9, 2002, Injured was calibrating a transmitter on the 33 secondary cyclone header. Her right foot was on the mill addition water pipe and she was preparing to step up to the top of the pipe with her left foot. While pushing off, her leg gave way and twisted to the left. This resulted in a twisted left knee. Days Lost - 105

John Martire, Maintenance Mechanic, Plant, Date of Accident - January 14, 2002, Injured was removing the wear plate from a pump in the component repair area. When injured lifted the old plate he felt a sharp pain in his back. This resulted in a lower back strain. Days Lost - 105

Wayne Impila, Auto Mechanic, Date of Accident - February 21, 2002, Injured was driving the fuel truck in the tailings pond to fuel remote equipment. While driving the truck he struck a washout in the surface and injured was jarred in the cab and struck his head on the cab roof. This resulted in a Cervical neck strain. Days Lost - 3

Jeremy Wilson, Tractor Operator, Date of Accident - February 26, 2002, Injured was climbing up on the steel tracks of a crawler cat. While grabbing the handle to assist in climbing, his hand slipped off and injured fell to the ground landing on his right side, arm and shoulder. This resulted in a shoulder strain. Days Lost - 52

Steve Miller, Maintenance Mechanic Plant, Date of Accident - March 15, 2002, Injured was lifting a steel pipe section into a dumpster for disposal. The pipe section weighed approximately 70 pounds. This resulted in a back strain. Days Lost - 9

John Gangl, Electrician, Date of Accident - March 28, 2002, Injured was using a pry bar to move some old DC drive units. While pulling on the pry bar he felt pain in his right arm. This resulted in a right bicep strain. Days Lost - 101

Patrick H. Leustek, Shovel Operator, Date of Accident - April 2, 2002, Injured was traveling in the shovel from one location to another due to digging requirements. While moving, the cab, cab base and cab guard broke loose as a unit from the superstructure of the shovel and fell. The cab unit ended with the base supported on the left track and the cab guard on the ground. The injured was secured by the seat belt. He exited the cab and went to a nearby shovel that was not in operation during this time, and reported the accident. This resulted in 4 broken ribs, bruised lung, facial lacerations and sore right elbow. Days Lost - 214

William Stukey, Auto Mechanic, Date of Accident - April 16, 2002, Injured was working on a production truck. When he pushed hard on a wrench to turn a bolt, he felt a twinge in his shoulder. This resulted in a left shoulder strain. Days Lost - 4

Glen Milani, Tire Man, Date of Accident - April 25, 2002, Injured was walking through the steam bay in the truck shop when he stepped on a small rock. This caused his foot to slip out from under him which caused him to fall against a concrete wall. This resulted in a right shoulder strain. Days Lost - 3

Joe Ferris, Maintenance Mechanic Plant, Date of Accident - May 7, 2002, Injured was holding a scraper in place for a welder to attach it. While the welder was welding, a hot piece of slag dropped into his coveralls. This resulted in a burn to the groin area. Days Lost - 2

Joe Jerulle, Furnace Attendant, Date of Accident - May 28, 2002, Injured was lifting the shotgun off of a hoist to carry it back to the burner floor from the location it was used in to knock slag off the interior of the furnace. When he lifted the shotgun he felt a pain in his left shoulder. This resulted in a left shoulder strain. Days Lost - 25

Arnie Makela, Tractor Operator, Date of Accident - August 29, 2002, Injured was moving garbage with a two wheel cart in the truck shop. While pushing the cart over some welding cables on the floor, the cable looped around his foot and he tripped, falling to the cement floor. This resulted in a left knee fracture. Days Lost - 139

Doug Whitney, Maintenance Mechanic General, Date of Accident - November 13, 2002, Injured was walking outside of the truck shop when he slipped on some ice and fell. This resulted in a back strain. Days Lost - 33 in 2002 remains off in 2003

Tom Lomsak, Maintenance Mechanic General, Date of Accident - December 12, 2002, Injured was pulling on a swing motor which weighed 75 pounds when he felt a pain in his back. This resulted in a back strain. Days Lost - 32 total in 2002 and 2003.

## **NORTHSHORE MINING COMPANY**

### **Silver Bay**

Bill Rabold, Quality Control Lab Tech, Date of Accident - February 14, 2002, Injured was performing tumble tests to check on pellet quality. After completing one test he was pulling the catch pan out of the tumble drum in preparation for emptying the pan. While turning he felt a pop in his knee. This resulted in damage to the right knee. Days Lost - 20

Gary Shoen, Pelletizer Operations, Date of Accident - February 22, 2002, Injured was in the process of setting up scaffolding when he felt a pain in his back, which continued to worsen. This resulted in a strained back. Days Lost 213

Jeff Dehart, Pelletizer Operations, Date of Accident - August 2, 2002, Injured was pounding on a feed gate with a sledge hammer to free a blockage, when he felt a pain in his back. This resulted in a strained back. Days Lost - 3

Richard Moen, Plant Maintenance, Date of Accident - August 28, 2002, Injured was in the process of unloading a bearing from a truck in the storage yard, by sliding it from the truck bed, when he felt a pain in his lower back. This resulted in a strained back. Days Lost - 8

### **USX CORPORATION, MINNTAC MINE**

Paul Grahek, Plant Laborer, Date of Accident - January 21, 2002, Injured and the vacuum truck operator were starting the clean up of a classifier area in preparation for maintenance, using the Vacuum Max Truck to suction the material up. Injured was moving the end of the vacuum hose using a cloth sling. The sling was initially attached 2 to 3 feet from the end of the open end of the hose. While moving the hose the sling slipped across the open end of the hose, blocking the end. Injured reached to re-position the sling and the suction pulled his arm into the suction hose. This resulted in trauma to the left arm from the elbow to the finger tips. Days Lost - 38.

Michael Berg, Crusher Attendant, Date of Accident - March 1, 2002 Injured had cleared an obstruction from the "Op-con" on the #006-01 tripper car, using a 10 foot long "J" hook from the top platform of the tripper car. After clearing the blockage injured pulled the "J" hook as far out of the access hatch as possible and pivoted to finish the removal of the hook. While pivoting injured's right foot slipped off of the work platform and injured started to fall. Injured reached out with his right hand and grabbed either the handrail or the ladder to prevent his falling off of the tripper car. The sudden strain on injured's shoulder resulted in a fracture to the right shoulder. Days Lost - 68.

Raymond Hamling, Jr., Millwright, Date of Accident - March 13, 2002, Injured was operating a 3 ton forklift. He positioned the forklift facing east across the west rail of the Gantry crane to lift a crusher wear ring. The Gantry crane, which travels north-south, was 36" north of the forklift, as determined by post accident field investigation. Another employee was standing 25 feet ENE of the forklift, operating the gantry crane. The crane operator, facing away from the forklift, hoisted a head nut and started moving the crane south. He heard a yell and turned to see the forklift operator signaling that he was in distress. The crane operator ran to the forklift and found that the forklift operator's left foot was pinched between the SW crane bumper and the north side of the forklift, just below the top footrest. This resulted in a fractured left heel and other injuries to the ankle and left foot area. Days Lost - 191.

Keith Colcleugh, Team Leader, Drills, Date of Accident - March 15, 2002, Injured was returning to the dry after starting the loaders that were parked outside. While injured was climbing over a snowbank with his right foot at the bottom of the bank, his left foot slipped on snow covered ice. This resulted in a broken left tibia, just above the ankle. Days Lost - 34.

Kevin Andrick, Ironworker, Date of Accident - April 2, 2002, Injured was reaching to catch a partially filled gallon container of oil being dropped 1-3 feet by a co-worker from a shovel catwalk. The container weighed 3-4 pounds. Injured caught the container, crouched and then felt pain in his lower back. This resulted in a lower back strain. Days Lost - 20.

Ronald Carpenter, Plant Millwright, Date of Accident - May 24, 2002, Injured had lifted an impact wrench from a storage cabinet to the "Plant Cat" and then again from a fork lift basket to the "Plant Cat". The wrench weighs approximately 60 to 70 pounds. When injured placed the wrench over the side of the "Plant Cat" he felt a small "tingle" in his back, but thought nothing was out of the ordinary. Later that day severe pain set in. This resulted in a twisted back. Days Lost - 129.

Gail Haugen, Mine Laborer, Date of Accident - June 12, 2002, Injured and her partners were in the process of pulling shovel cable for the #28 shovel, in preparation to place the cable in the shovel boat. While pulling the cable injured experienced pain between her shoulders. This resulted in upper back pain between the shoulders. Days Lost - 3.

Bronco Herian, Millwright, Date of Accident - August 6, 2002, Injured and his partner were installing a hood on a bucket elevator. While attempting to raise part of the hood to install additional parts, the lifting chain that was attached to the hood came in contact with a water pipe that was in the vicinity. The pipe broke free due to the contact and fell, striking injured and knocking him off of the work platform he was standing on. This action resulted in fractures to the right orbit, left and right cheeks, bone chips and a strain/sprain to the right wrist and a sore right shoulder. Days Lost - 3.

R. Dilla, System Repairman, Date of Accident-May 22, 2002. Injured was assigned to service the 020-01-1A Conveyor west tripper brake. He climbed up on the motor disconnect platform and ascended to the motor deck and checked the brake. As he was stepping down, 40" to the motor disconnect platform, he overstepped it, twisted his right knee and striking his leg on the decking. This resulted in a Medial meniscal tear to the right knee. He began losing time on August 13, 2002. Days Lost- 33.

H. Soland Painter, Team Leader, Date of Accident- July 25, 2002. During the process of housekeeping, the injured combined the contents of three garbage bags into one, weighing roughly 35 pounds. Once outside, the injured elevated the garbage bag to the lip of the dumpster using two hands. He then shifted the weight of the garbage to one arm while he opened the lid with the other. While swinging the garbage bag over the lip, the injured heard something pop and felt pain in the shoulder. The injured had surgery to repair a torn rotator cuff on November 4, 2002. Days Lost- 39.

Randall Clasen, Millwright, Date of Accident - August 26, 2002. Injured was assigned to change a bearing on the 110-16 Rod Mill. He was removing the Flinger Ring Guard by hand and experienced a pain in the small of his back and down his right leg. The guard is 6 feet by 8 inches and weighs 56 pounds and is somewhat difficult to remove because of the height, weight and mounting. The injury was pain to lower back and right leg. Days Lost- 11

Richard Jenkins, Mobile Equipment Operator, Date of Accident-August 11, 2002. Injured stated that he was in the process of boarding a dozer and was at the last step when he felt a pain in his right knee. This resulted in a twisted right knee and torn meniscus. Days Lost- 23.

C. Warner, Auto Mechanic, Date of Accident- July 15, 2002. Injured was in the end stages of a final drive rebuild for a Model 793 240 Ton Caterpillar truck. After lowering the bull gear into position with the overhead crane, the mechanic removed the 4-legged dog chain hooks from the lifting clip D-rings. While holding the chains with one hand, the mechanic shifted his attention to operating the crane remote control. As he positioned to operate the crane remote, the mechanic stood upright, and unknowingly pulled the chains from the center toward his body and the D-ring. As the mechanic began lifting the chains from the bull gear with the crane, one of the hooks caught the D-ring closest to him. The resulting force of the crane caused the lifting clip bolt head to shear. Upon shearing of the bolt, the lifting clip and D-ring were propelled across the shop floor and the chain released, striking the mechanic, breaking his right arm, and coming to rest on top of the crane block. Days Lost-16.