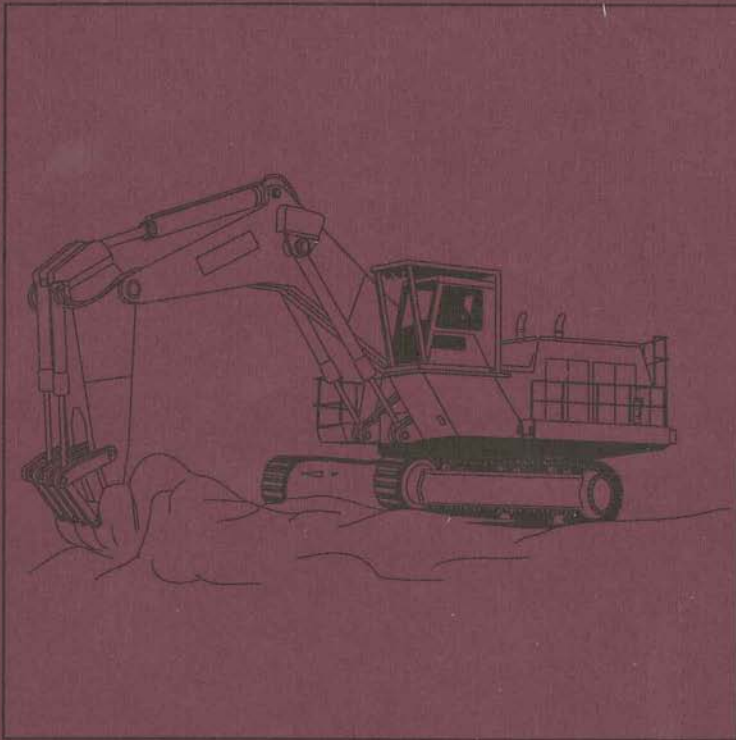


09 - 0416

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



**2008**

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

\*\*\*\*\*

**2008**

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**INSPECTOR OF MINES**  
Barry D. Lesar  
329 Viking Drive  
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. Rojas, 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**

**ASSISTANT MINE INSPECTOR**  
Terrance M. O'Neil  
616 S. Main Street, Box 294  
Biwabik, Minnesota 55708  
**HOME PHONE: 218-865-6978**  
**OFFICE PHONE: 218-742-9841**  
**MOBILE UNIT: CD-14**

**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 ..... Steven O'Neil, Duluth, Minnesota
- District 3 ..... Chris Dahlberg, 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, 2008

**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 2008 is herewith submitted.

While the mining industry in northern Minnesota was dealt an economic blow (as was the rest of the country), the overall condition of the industry is still good, with every reason to believe that the industry will recover from the present economic difficulties. With the recent news that the EIS for the Polymet project at the old Erie Mining Company plant site has been released to the company and will be open for public comment soon makes the outlook for semi-precious mining more positive than it has in years. The continued construction of the Mesabi Nugget Project outside of Aurora, along with the groundbreaking and construction start of the M.I.S. Project, along with the construction and upcoming start of production at the Magnetation projects in Itasca County, the future of mining in St. Louis and Itasca counties holds much promise for our area and our state.

The total employment for the year was 3,732 and these people worked a total of 7,955,182 manhours.

There was no natural ore shipped and 40,599,311 tons of taconite pellets shipped from these mines. There were 70,546,391 tons of stripping and waste removed from these mines.

Inspections and visits for 2008 were as follows: Approximately 749 inspections, visits and investigations were made to the operating and non-operating mines. There was 0 fatalities and 26 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 and Itasca counties.

Respectfully submitted,



Barry D. Lesar  
Inspector of Mines  
St. Louis County

Excerpts from the Law On

**INSPECTOR OF MINES**

**CHAPTER 180**

**MINNESOTA STATUTES**

**SECTION 180.12**

**VIOLATIONS**

**SUBDIVISION 2**

**PERSON IN IMMEDIATE CHARGE**

Any person who is in immediate charge of the working of any mine who fails to carry out any order of the inspector, issued pursuant to section 180.03 or who permits, directs, or authorizes any person to work in a manner which violates the provisions of section 180.04 shall upon finding by the district court of the county where the mine is situated that the order of the inspector was not unjust or unreasonable or an abuse of discretion be guilty of a gross misdemeanor, and upon conviction thereof, shall be punished as provided in section 609.03. Each time an order of the inspector issued under section 180.04 is not complied with, shall constitute a separate offense. Each offense shall be prosecuted by the county attorney of the county in which the offense took place.

**SUMMARY OF STATISTICS  
MINES OF ST. LOUIS COUNTY, MINNESOTA  
2008**

Number of Mining Companies .....	7
Number of Mines in Operation .....	6
Number of Plants in Operation .....	6
Number of Wash Plants .....	0
Number of Mines Inactive .....	285
Number of Abandoned Mine Shafts .....	64
Total Number of Mines and Plants .....	291
Total Pellets Shipped .....	40,599,311
Total Ore Shipped .....	0
Taconite Mined .....	137,428,715
Stripping and Waste Removal, Tons .....	70,546,391
Total Material Moved, Tons Estimate .....	207,975,106
Total People Employed .....	3,732
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 .....	26
Total Number of Man-hours Worked .....	7,955,182
Number of Visits, Inspections and Investigations .....	749

**LABOR CLASSIFICATION AND HOURLY RATES**

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

**2008 WAGE RATES INCENTIVE INCLUDED**

Labor Grade	Wage Rate	Labor Grade	Wage Rate
1-2 .....	20.458	14 .....	23.972
3 .....	20.751	15 .....	24.264
4 .....	21.044	16 .....	24.557
5 .....	21.366	17 .....	24.850
6 .....	21.629	18 .....	25.143
7 .....	21.922	19 .....	25.436
8 .....	22.215	20 .....	25.729
9 .....	22.508	21 .....	26.021
10 .....	22.800	22 .....	26.314
11 .....	23.093	23 .....	26.607
12 .....	23.386	24 .....	26.900
13 .....	23.679	25 .....	27.193

Due to Contractual changes the wage structure from mine to mine has changed significantly in recent years resulting in differing methods of payment. This results in different pay scales and different average daily wages from mine to mine. This is an example of what the rates are for only one of the mines in St. Louis and Itasca counties.

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
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

YEAR	MINES	TONS SHIPPED	EMPLOYED	INJURED	FATALS	FAT/1000	WAGES
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
2003	8	35,282,267	4,177	35	0	0.00	121.936
2004	8	42,059,597	3,444	24	0	0.00	145.384
2005	8	40,464,088.92	3,568	29	0	0.00	178.40
2006	7	39,617,873	3,714	14	1	Average/Day 0.27	178.40
2007	7	38,041,615.6	3,724	13	2	Average Day 0.54	187.848
2008	7	40,599,311	3,732	26	0	0.00	182.40

see page 4 wages

**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, 2008**

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
Operations Manager UNITED TACONITE LLC Jack Tuomi - VP & General Manager	Pellets - All Tonnages in Long Tons	5,346,442	14,909,306	14,068,068	520	1,118,847	12
Keewatin Taconite Co. Division of USS Minnesota Ore Operations	Itasca Co. Production St. Louis Co. Production	4,550,258 0	16,676,218 0	10,850,272 0	Mine 139 Plant 136 Shops, Warehouse & Misc. 127	289,730 283,725 264,353	12 12 12
HIBBING TACONITE CO. Ed Latendresse, Manager	Production Shipped From Plant	8,220,000	30,129,000	19,496,000	685	1,452,111	12
ARCELOR - MITTAL STEEL USA, MINORCA MINE, INC. Minorca Mine J.H. Holmes, Vice President, Operations	All Tonnages in Long Tons	61,399 - chips 2,725,849 - Flux 2,787,248 - Total	9,365,603	7,752,590	342	753,372	12
NORTH SHORE MINING COMPANY Babbitt, Silver Bay M. Mlinar, General Manager	All Tonnages in Long Tons	5,326,000	16,088,000	10,107,000	520	1,157,158	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, 2008**

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
MESABI MINING, LLC Tom Lutes, Mine Manager MESABI NUGGET, LLC Steve Rutherford - Operations Manager	These companies are in the construction phase for the Nugget Plant and the permitting phase for the Mine. So there are no production or employment figures for calendar year 2008.						
USS CORPORATION, Minnesota Ore Opeartions S. Coleman, Gen. Mgr. Minntac Plant, Mt. Iron Minntac Mine Minntac Plant Shop, Warehouse, & Miscellaneous  MAGNETATION, INC. Larry Lehtinen, Chairman Nashwauk, MN	All Tonnages in Gross Tons	14,369,363	50,260,588	8,272,461		995,046 776,735 864,105	12 12 12
TOTALS		40,599,311	137,428,715	70,546,391	3,732	7,955,182	12
TOTAL RAW ORE							
TOTAL RAW ORE AND PELLETS		40,599,311 TONS		TOTAL NATURAL ORE 137,428,715 TONS & TACONITE MINED			

**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, 2008**

NON-FERROUS MINES AND SUPERINTENDENTS	TONS OF PRODUCT SHIPPED	TOTAL ORE MINED	TONS STRIPPING WASTE *	AVG. NO. PEOPLE EMPLOYED PLANTS/PITS	MAN HOURS	MONTHS WORKED
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Polymet Mining Corp.

NON-FERROUS PROPERTY, IN DEVELOPMENT, NOT IN PRODUCTION AT THIS TIME

TOTAL MATERIAL MOVEMENT  
FERROUS AND NON-FERROUS

- \* - Total Tonnage of both waste rock and overburden removed to expose the ore body
- \*\* - Tonnage Used to Determine Total Production Shipped for the year

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

**UNITED STATES STEEL CORPORATION**

Minnesota Ore Operations  
KEEWATIN TACONITE  
P.O. Box 217  
Keewatin, Minnesota 55753  
Phone: 218-778-8798

Scott Coleman ..... General Manager  
Jeremy Smolich ..... Acting Plant Manager  
Michael Bakk ..... Area Manager - Electrical & Mine Maintenance  
William Getty ..... Area Manager, Mine Operations & Crusher  
Tim Kalish ..... Area Manager - Plant Operations & Maintenance  
John Skube ..... Labor Relations  
Laurie Potter ..... Manager, Safety & I.H.s  
Scott Karpinen ..... Sr. Staff Supervisor of Safety & I.H.  
Jerry Orrell ..... Staff Supervisor, Safety & I.H.

\* \* \* \* \*

**UNITED TACONITE LLC**

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

Jack Tuomi ..... Vice President - General Manager  
Santi Romani ..... Senior Area Manager, Plant Operations  
Mike Smith ..... Area Manager, Pit Operations  
Dave Sefcovic ..... Area Manager, Technical Services  
Todd Nelson ..... Area Manager, Finance  
John Baxter ..... Area Manager, Human Resources  
Jon LaMusga ..... Section Manager, Materials  
Lyle Johnston ..... Area Manager, Maintenance  
Dave Evans ..... Area Manager, Safety  
Jason Aagenes ..... Section Manager, Environmental  
Robert Licari ..... Section Manager - Six Sigma

**HIBBING TACONITE COMPANY**

P.O. Box 589  
Hibbing, Minnesota 55746  
Phone: 218-262-5950

E.M. Latendresse ..... General Manager  
K.K. Eggert ..... Area Manager - Technical Services  
T.S. Tomsich ..... Sr. Area Manager - Financial Control  
J.T. Croswell ..... Sr. Area Manager - Mining  
P.A. Carlson ..... Area Manager - Plants  
D.A. Weiberg ..... Area Manager - Maintenance  
D.G. Pollock ..... Area Manager - Materials  
J.C. Tamminen ..... Area Manager - Mine Maintenance  
D.J. Koth ..... Area Manager - Information Technology  
E.G. Bryant ..... Sr. Area Manager - Human Resources  
A.J. Bakk ..... Sr. Section Manager - Safety & Loss Control  
A.S. McDowel ..... Section Manager - Environmental

\* \* \* \* \*

**MESABI MINING, LLC**

P.O. Box 235  
6500 County Road 666  
Hoyt Lakes, Minnesota 55750  
Phone: 218-225-6000  
Fax: 218-225-0600

Dave Bednarz ..... Vice President - Iron Resources,  
Steel Dynamics, Inc.  
Tom Lutes ..... Mine Manager, Mesabi Mining, LLC  
Steve Rutherford ..... Operations Manager, Mesabi Nugget, LLC  
Jeff Hansen ..... Engineering Manager, Mesabi Nugget, LLC

**ARCELOR MITTAL  
MINORCA MINE, INC.**  
5950 Old Hwy. 53  
P.O. Box 1  
Virginia, Minnesota 55792  
Phone: 218-749-5910  
Fax: 218-749-3420

**DIRECTORS**

Louis Schorsch, Michael Rippey

**ARCELOR - MITTAL MINING OFFICERS**

Mark Whalen ..... President  
Michael Rippey ..... Executive Vice President  
Andy Harshaw ..... Executive Vice President, Operations  
Daniel Mull ..... Executive Vice President, Sales & Marketing  
John Brett ..... Vice President, Corporate Planning and Analysis  
Mathew Bernstein ..... Vice President, Strategic Planning & Analysis  
Jonathan H. Holmes ..... Vice President, Operations  
Om Mandhana ..... Vice President, Procurement  
Greg Ludkovsky ..... Vice President, Technology  
James Michaud ..... Vice President, Human Resources  
Vaidya Sethuramen Vice President, Finance & Chief Account Officer  
Thomas A. McCue ..... Treasurer  
William Mundell ..... Assistant Treasurer  
G. Craig Birchette ..... Assistant Secretary  
Marc R. Jeske ..... Assistant Secretary

**SECTION MANAGERS**

Richard Aaseng ..... Manager - Plant  
William Bond Division Manager - Business & Operating Technology  
Gerald Golobich ..... Manager - Human Resources/Labor Relations  
Scott Harrison ..... Manager - Pit  
Karla Heritage - McKenzie ..... Manager - Safety  
Thomas Cossalter ..... Manager - Purchasing  
Alvis Pace ..... Controller

\* \* \* \* \*

**NORTHSHORE MINING COMPANY**

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

- M. Mlinar ..... General Manager
- M. Buckley ..... Area Manager, Technical Services
- B. Bundschuh ..... Area Manager, Silver Bay Power
- S. Deming ..... Area Manager, Finance Control
- T. Nanti ..... Area Manager, Silver Bay Plant
- J. Sandstrom ..... Area Manager, Railroad
- K. Kerschen ..... Area Manager, Human Resources
- S. Acker ..... Section Manager, Materials
- R. Willis ..... Area Manager Safety & Loss Control
- D. Scamehorn ..... Area Manager, Maintenance
- S. Blood ..... Silver Bay, Plant Safety Representative
- M. Strand ..... Silver Bay, Plant Safety Associate

**NORTHSHORE MINING BABBITT MINE  
BABBITT, MINNESOTA 55706**

Phone: 218-827-2101

- J. Korpi ..... Area Manager, Babbitt Mine
- D. Wolf ..... Section Manager, Operations
- C. Wills ..... Section Manager, Maintenance
- D. Halverson ..... Section Manager, Engineering
- D. DeBeltz ..... Mine Safety Representative
- L. Rasmussen ..... Mine Safety Associate

**UNITED STATES STEEL CORPORATION**

Minnesota Ore Operations  
MinnTac  
P.O. Box 417  
Mt. Iron, MN 55768  
Phone: 218-749-7299

- Scott Coleman ..... General Manager
- Ray Luoma ..... Division Manager - Maintenance Services
- Bruce Kniivila ..... Division Manager - Mining, Crushing
- Greg Yanief ..... Division Manager, Concentrating & Agglomerating
- John Skube ..... Manager - Employee Relations
- Laurie Potter ..... Manager - Safety & I.H.
- Scott Karpinen ..... Sr. Staff Supervisor - Safety & I.H.
- Robert Youngman ..... Staff Supervisor - Safety & I.H.
- Kent Swanson ..... Staff Supervisor - Safety & I.H.
- John Zupin ..... Staff Supervisor - Safety & I.H.

\* \* \* \* \*

**POLYMET MINING**  
P.O. Box 475  
6500 County Road 666  
Hoyt Lakes, MN 55750

**OFFICERS**

William Murray ..... Chairman of the Board  
Joseph Scipioni ..... President and Chief Executive Officer  
Douglas Newby ..... Chief Financial Officer  
Phillip Brodie-Hall .... Executive Vice President - Project Construction  
Gaston Reymanants ..... Vice President - Marketing  
Latisha Gietzen ..... Vice President of Public, Government and  
Environmental Affairs

**STAFF**

James Tieberg ..... Division Manager - Mining  
Don Hunter ..... Area Manager - Mine Development  
James Scott ..... Manager - Environmental  
Richard Patelke ..... Project Geologist  
Dave Draves ..... Site Controller  
Stephen DeVaney ..... Procurement Manager  
Kendall Corbett ..... Coordinator - Operations & Construction  
Paul Brunfelt ..... Division Manager of Plant  
Kevin Pylka .... Manager of Environmental Permitting & Compliance  
Joanne Hill ..... Human Resources Manager  
Sheri Plesha ..... Office Manager - Administrative Assistant to  
CEO/President  
David Zins ..... Plant Security Manager  
David Hughes Jr.. ..... Multimedia Manager  
Debra DeVaney ..... Assistant Site Controller

\* \* \* \* \*

**MAGNETATION, INC.**  
Red Rock Business Center  
832 First Street, Suite 130  
Nashwauk, Minnesota 55769

Larry Lehtinen ..... Chairman, President & CEO  
Ed Shaughnessy ..... Vice President of Operations  
David J. Chappie ..... Vice President of Engineering

\* \* \* \* \*

**ALWORTH LAND & IMPROVEMENT COMPANY**

1605 Alworth Building  
306 W. Superior Street  
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**

11 E. Superior Street  
Suite 514  
Duluth, MN 55802  
Phone: (218) 722-7724  
FAX: (218) 720-6707  
[www.aioa.org](http://www.aioa.org)

Anne Glumack ..... Interim Director

\* \* \* \* \*

**CONGDON MINERAL MANAGEMENT INC.**

3920 13 Ave. E., Suite 7  
Hibbing, Minnesota 55746-3672  
Phone: 218-262-0799  
Fax: 206-203-0098

John P. Congdon ..... President  
David C. Adams ..... Vice President  
David C. Dudley ..... Vice President, Secretary, Treasurer  
David G. Meineke ..... Vice President

\* \* \* \* \*

**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

\* \* \* \* \*

**HARTLEY OFFICE**

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

Mark Myles ..... Trust Manager

\* \* \* \* \*

**IRON MINING ASSOCIATION OF MINNESOTA**

324 West Superior Street  
Suite 502  
Duluth, Minnesota 55802  
Phone: 218-722-7724  
[anderson@taconite.org](mailto:anderson@taconite.org)

Craig Pagel ..... Chief Executive Officer  
Anita Anderson ..... Administrative Assistant

\* \* \* \* \*

**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

\* \* \* \* \*

**MINING MINNESOTA**  
P.O. BOX 16666  
Duluth, Minnesota 55816  
Phone: 218-393-2301  
E-Mail: fongaro@miningminnesota.com

Frank Ongaro ..... Executive Director

\* \* \* \* \*

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

H.W. Hilshorst ..... President & CEO  
G.D. Lindahl ..... Vice President & COO  
S.K. Milani ..... Treasurer

\* \* \* \* \*

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

R.K. Prescott ..... Chairman

\* \* \* \* \*

**GLOBAL MINERALS ENGINEERING, LLC**  
3920 13th Ave. E., Suite 7  
Hibbing, Minnesota 55746-3672  
Phone: 218-262-0799  
Fax: 206-203-0098

David G. Meineke ..... President & CEO

\* \* \* \* \*

**MINNESOTA DEPARTMENT OF NATURAL RESOURCES**

**500 Lafayette Road  
St. Paul, Minnesota 55155  
(651) 259-5959  
FAX (651) 296-5939**

M. Holsten ..... Commissioner  
L. Martinson ..... Deputy Commissioner  
M.K. Vadis ..... Director, Division of Lands and Minerals (LAM)  
J. Engstrom ..... Manager, Mineland Reclamation

**Division of Lands and Minerals  
1525 E. Third Avenue  
Hibbing, Minnesota 55746  
(218) 231-8484  
FAX (218) 262-7328**

J. Engesser ..... Asst. Director, Division of Lands and Minerals  
P.T. Clevenstine ..... Manager, Engineering & Mineral Development  
\* \* \* \* \*

**STATE OF MINNESOTA  
IRON RANGE RESOURCES  
MINELAND RECLAMATION  
801 SW Highway 169, Suite 2  
Chisholm, Minnesota 55719  
Phone: (218) 254-7967 Fax: (218) 254-7973**

D. Jordan ..... Mining and Minerals Program Supervisor  
B. Itkonen ..... Mineland Reclamation Specialist, Sr.  
G. Dormanen ..... Mineland Reclamation Specialist  
S. Perkovich ..... Office & Administration Specialist, Sr.  
J. Plummer ..... Laurentian Vision and Real Property Coordinator

**IRON RANGE RESOURCES  
4261 HIGHWAY 53 SOUTH  
P.O. BOX 441  
EVELETH, MN 55734  
Phone: (218) 744-7400 or 800-765-5043**

S. Layman ..... Commissioner Iron Range Resources  
B. Hiti ..... Deputy Commissioner, Iron Range Resources  
M. Sjoberg ..... Director, Development Strategies  
\* \* \* \* \*

**RGGS Lands & Minerals LTD., L.P.  
202 2nd Avenue South  
Virginia, MN 57792  
Phone: (218) 749-1291  
Fax: (218) 749-1294  
\* \* \* \* \***

**MINNESOTA MINE INSPECTORS**

St. Louis County

Barry D. Lesar ..... Inspector of Mines  
Stanley J. Rojeski, Jr. .... Assistant Mine Inspector  
Paul T. Wier ..... Assistant Mine Inspector  
Terrance M. O'Neil ..... Assistant Mine Inspector

**OFFICE AT  
ST. LOUIS COUNTY GARAGE**

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

\* \* \* \* \*

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

515 W. 1st Street #333  
Duluth, Minnesota 55802-1302  
COMM: 218-720-5448  
FAX: 218-720-5650  
Duluth Duty Field Station COMM: 218-720-5448

**DISTRICT OFFICE**

Steven M. Richetta ..... District Manager  
Gerald D. Holeman ..... Assistant District Manager  
George F. Schorr ..... Supv. Spec. Investigator  
Stephen D. Cotie ..... Mine Safety & Health Specialist  
(Health Specialist)  
William H. Pomroy.. Mine Safety & Health Specialist (Staff Assistant)  
Thomas J. Pavlat ..... Mine Safety & Health Specialist  
Wayne L. Lundquist ..... Mine Safety & Health Specialist (CLR)  
Stephen W. Field ..... Mine Safety & Health Specialist  
Mary M. Mikulich ..... Supv. Management & Program Analyst  
Devon R. Willeck ..... IT Specialist  
Jenna L. Nelson ..... District Secretary  
Debra J. Johnson ..... Mine Safety and Health Technician (OA)  
Kenneth L. Bickel ..... Safety Specialist

**DULUTH DUTY FIELD STATION**

Dale E. Hedman ..... Mine Safety & Health Inspector  
Daniel J. Goyen ..... 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

- William G. Dethloff III ..... Mine Safety & Health Inspector
- Alan J. Brandt ..... Mine Safety & Health Inspector (Electrical)
- Richard V. Boeckermann ..... Mine Safety & Health Inspector
- David R. Wallin ..... Mine Safety & Health Inspector
- Thaddeus J. Sichmeller ..... Mine Safety & Health Inspector
- John C. Koivisto ..... Mine Safety & Health Inspector

**MINNESOTA DEPARTMENT OF REVENUE**

600 North Robert Street

St. Paul, Minnesota 55146

Phone: (651) 556-3100 Fax: (651) 297-5309

- Ward Einess ..... Commissioner
- George Hoyum ..... Director, Special Taxes Division

**Minerals Tax Office**

612 Pierce St.

Eveleth, Minnesota 55734-1611

Phone: (218) 744-7424 Fax: (218) 744-7421

- Norma J. Krogerus ..... Revenue Tax Specialist - ext. 5867
- Robert Wagstrom ..... Mining Engineer - ext. 5865
- Carolyn Koskela ..... Secretary - ext. 5866

\* \* \* \* \*

**UNITED STEEL WORKERS OF AMERICA**

**DISTRICT 11**

**MINNEAPOLIS OFFICE**

Phone: 612-623-8045

- R. Bratulich ..... Director

**EVELETH SUB-DISTRICT OFFICE**

Phone: 218-744-2757

Fax: 218-744-7926

- John Rebrovich ..... Staff Representative
- Cathy Warner ..... Staff Representative
- Peggy May ..... Staff Representative

**UNITED STEEL WORKERS OF AMERICA  
LOCAL UNITS**

**LOCAL #6860  
UNITED TACONITE LLC  
Phone: 218-744-4480**

Mike Maleska ..... President  
Joe Strlekar ..... Vice President  
Gloria Huseby ..... Recording Secretary  
Robert Willis ..... Financial Secretary  
Larry Roberts ..... Treasurer  
Brian Lahti ..... Safety Coordinator  
Larry Roberts ..... Plant Safety Chairman  
Paul Horoshak ..... Mine Safety Chairman

**LOCAL #2660  
KEEWATIN TACONITE  
Phone: 218-778-6909**

Jack Thronson ..... President  
Lorne Middlestead ..... Chairman, Safety Committee  
David Mlakar ..... Safety Representative  
Sue Bayliss ..... Area Chair, Pellet Plant  
Kevin Noonan ..... Area Chair, Concentrator  
Cliff Tobey ..... Area Chair, Shops  
Dan Grzybowski ..... Area Chair, Pit  
Harlee Sirjord ..... Area Chair, Pond  
Tom Damjanovich ..... Area Chair, Crusher

**LOCAL #2705  
HIBBING TACONITE COMPANY**

Phone: 218-254-2492  
Fax: 218-254-7100  
115 W. Lake Street, Chisholm, MN 55719

Frank Jenko ..... President  
Mike Wright ..... USW International Safety Department  
Bob Brown ..... Chairman, Safety Committee  
Rich Novak ..... Alternate

**LOCAL #6115**  
**MITTAL STEEL USA, MINORCA MINE INC.**  
Phone: 218-741-3310

Ray Pierce ..... President  
Tom Aubin ..... Vice President  
Paul Monacelli ..... Recording Secretary  
Tom French ..... Chairman, Safety Committee  
Jim Labernik ..... Co-Chairman, Safety Committee  
Kerry Santelli ..... Financial Secretary  
Jim Kottke ..... Treasurer

**LOCAL #1938**  
**USX - MINNTAC MINE**  
Phone: 218-741-0887

Mike Woods ..... President  
Jon Malek ..... Vice President  
Steve Manninen ..... Recording Secretary  
Mike Neri ..... Financial Secretary  
Tim Carlson ..... Safety Committee Chairman  
Mark Hagsten ..... Safety Committee Co-Chairman  
Dennis Jensrud ..... Safety Coordinator - Plants  
Rodney Moberg ..... Safety Coordinator - Mines

## NON-FATAL LOST-TIME AND SERIOUS ACCIDENTS

### ARCELOR MITTAL, MINORCA MINE, INC.

Pump Tender, Date of Accident - February 5, 2008. Injured was pulling a hose when he slipped on some oil on the floor. This resulted in a hernia. Days Lost - 15

Maintenance Technician Electrical, Date of Accident - November 24, 2008. Injured was moving an overhead crane that had a 2 leg sling hanging from the hook. The sling caught on a no longer used safety tie off cable above the rod mill. This pulled a section of handrail loose. The loose handrail struck injured on the front of his hard hat, knocking him to the concrete floor. The resulting injury was a fracture of the C6 and C7 vertebrae tips. Days Lost - 23

### UNITED TACONITE LLC

#### MINE

Mine Mechanic, Date of Accident - January 7, 2008. Injured employee was at the Thunderbird Mine truck shop removing a hydraulic cooler line on the 9256 loader. The injured employee was removing the hydraulic cooler line from inside the frame at the right rear of the loader when he found himself in an awkward position and had a hard time maneuvering the hydraulic line. The resulting injury was a sprain/strain of the shoulder. Days Lost - 117

Mine Mechanic, Date of Accident - February 15, 2008. Injured employee was working in stall 17 at the Thunderbird Mine truck shop on the deck of the 9203 production truck. The injured employee was stepping from the top step of the access stairway of the 9203 production truck to the next step onto the deck of the truck. As the injured employee was stepping up to the deck, his foot slipped. The resulting injury was a sprain/strain to the knee. Days Lost - 32.

Mine Mechanic, Date of Accident - December 3, 2008. Injured employee was in stall 6 of the Thunderbird Mine truck shop, on his back underneath a CAT crawler, pushing a starter up into place. While doing so the injured employee experienced pain in his back and his legs started to go numb. Days Lost - 2



## PLANT

Truck driver, Date of Accident - March 2, 2008. Injured employee had parked his production truck at the end of his shift and was walking to the coarse tails pocket. Approximately 20 feet from the pocket, the employee slipped and fell on his back. Days Lost- 58

Plant Operations, Date of Accident - April 16, 2008. Injured employee was pulling out the screen on the 2B4 primary screen to clean it. He was using a puller made for pulling the screens. There was a maintenance mechanic changing a valve next to him, so the injured person was standing more to one side than the other. When he pulled on the screen the screen tipped to one side and the puller slipped off causing him to fall back against 2A1 south finisher. The finisher had some rusty jagged metal on it. When he fell back against the finisher his right arm caught the jagged metal, cutting his right arm. Days Lost - 3

Truck Driver, Date of Accident - May 5, 2008. Injured employee drove the production truck to the loader to get loaded. The truck was jostled during loading procedure. The seat belt restrained the employee from leaving his seat. The resulting injury was a sprain/strain to his back. Days Lost - 60

Plant Operations, Date of Accident - June 17, 2008. Injured employee was stepping out of a doorway onto a walkway crossing the Fines Crusher roof from the coarse side to the fines side. On the roof side of the threshold was a wooden pallet type of structure consisting of 1.25 inch thick boards. A section of this pallet was covered with a piece of OSB. As the employee crossed the threshold she stepped on the edge of the OSB. Her left foot then came into contact with the boards below which gave way. The resulting injury was a strain/sprain to the ankle. Days Lost - 5

Plant Laborer, Date of Accident - July 19, 2008. Injured employee was in the old side concentrator basement under the Line 1 Concentrator Hydro, trying to pull out a hose that was buried in the mud. While the injured employee was pulling out the hose he felt a pain in his left shoulder. The resulting injury was a strain/sprain to his shoulder. Days Lost - 47

Plant Maintenance Mechanic, Date of Accident - September 27, 2008. Injured employee was one of two maintenance mechanics assigned to change the reducer/motor on the Line 1, #2 roll feeder roll. This requires loosening the roller and sliding it to the east to allow for clearance for removing the reducer from the west end of the shaft. The injured employee was on the roll feeders prying the roller to the east with a 4 foot lining bar. The employee apparently lost his balance, reached to the north, placing his hand on the reciprocating belts rail. The carriage was traveling on the reverse stroke and the wheel ran over his right hand. The resulting injury was the amputation of three fingers. Days Lost - 62

## **HIBBING TACONITE COMPANY**

Maintenance Mechanic, Date of Accident - April 23, 2008. Injured came to work early and was performing a routine preventative maintenance on a double dump valve in the pellet plant. Apparently a flapper door was not functioning properly so injured turned on the air to the cylinder that moves the flapper to verify that the flapper would close. The flapper did not close when tested, thus, injured thought the actuator was not working. Injured then reached inside the dump valve to check the flapper when it suddenly released. This resulted in the right thumb tip (pad opposite the nail) being pinched off when the door released and closed. This required surgical repair. Days Lost - 8

## **KEEWATIN TACONITE**

Mobile Equipment Operator, Date of Accident - July 17, 2008. Injured was exiting the Cable Reel Truck. While exiting, injured slipped and fell. This resulted in a fractured leg. Days Lost - 47

Carpenter, Date of Accident - September 15, 2008. Injured was assembling wooden supports with a Bostitch nail gun with five inch nails. The first nail entered the wood and the nail gun double fired, sending a second nail after the first. The second nail hit the head of the first nail and deflected into the left index finger of the injured. The nail entered the thumb side of the finger below the large knuckle and protruded out the end of the finger. Days Lost - 0

## **NORTHSHORE MINING COMPANY**

### **Babbitt Mine**

Pit Operations Tech., Date of Accident - May 9, 2008. Injured was operating a production truck which was being loaded by a front end loader. While the loader was dumping into the truck the truck was jarred. This resulted in a sore back. Days Lost - 1

Railroad Employee, Date of Accident - May 12, 2008. Injured was in the process of fueling a Crew Cab Hy-Rail pick-up truck. While fueling the truck injured twisted his ankle. Days Lost - 2

Summer Student, Date of Accident - August 18, 2008. Injured was dismounting the water truck. Injured stepped on the first step of the ladder and slipped. As injured caught herself it resulted in a right arm injury. Days Lost - No Time Lost

Maintenance Employee, Date of Accident - October 9, 2008. Injured was changing turtles (a bucket wear part) on the 7150 shovel. Injured cut the turtle in half and proceeded to pound on it with a sledge hammer to break it free. When injured struck the turtle a piece of shrapnel came off and struck him in the neck. Days Lost - No Time Lost

Maintenance Employee, Date of Accident - November 19, 2008. Injured directed a loader into the shop because of an air problem. Injured proceeded to have the loader operator curl the bucket back. Injured got the jack positioned in place using a positioning T handle. Injured had one hand on the mobility handle of the jack as his other hand was pulling the pin to release the mobility handle. There was minimal clearance from the mobility handle to the bucket. The bucket drifted down pinching the injured finger between the mobility handle and bucket wear part. Resulting in a compound fracture of his left index finger. Days Lost - 2

Pit Employee, Date of Accident - November 21, 2008. Injured was helping a dozer operator to remove a worn ripper tooth from a D-11 Crawler. Injured took a sledge hammer to break the tooth loose from the shank. In the process a piece of shrapnel came off the tooth striking injured in the leg. Days Lost - No Time Lost

Tech III, Date of Accident - December 1, 2008. Injured was loading railroad ties, from the railroad tie pile, into a loader bucket with his partner. The tie he was putting in the bucket slipped. Injured finger was jammed between the tie and one of the teeth of the loader bucket resulting in the left ring finger being broken. Days Lost - 18 in 2008

### **Silver Bay**

Railroad Employee, Date of Accident - December 17, 2008. While climbing the ladder of a backhoe, injured's foot slipped off of the boarding step. As injured tried to catch himself he hit his elbow on the fuel tank. This resulted in a tear to the triceps muscle. Days Lost - 10

Operating Technician, Date of Accident February 27, 2008. Injured was walking alongside of a conveyor when he slipped on some ice in the walkway. This resulted in a sore back. Days Lost - 32

## **USS CORPORATION, MINNTAC MINE**

Millwright, Date of Accident - February 18, 2008. Injured was about to ascend a stairway when his right foot hit the bull nose of the first step causing him to lose his balance and fall forward. At this point he grabbed for the hand rail, which caught his little finger and bent it backwards. Resulting in it being dislocated. Days Lost - 0

Shovel Operator, Date of Accident - March 26, 2008. While walking in the parking lot, injured stepped over a small snow ridge, slipped and fell. This resulted in a fractured ankle. Days Lost - 32

Millwright, Date of Accident - November 25, 2008. Injured was working at the load out pocket. He was working out of the back bed of a bucket truck, positioned on the railroad tracks. As injured was getting off the back of the truck when his second foot hit the ground, he slipped and fell landing on his back side. Injured hit his elbow on something when he landed, shattering his left elbow and fracture to his left pelvic bone. Days Lost - 23