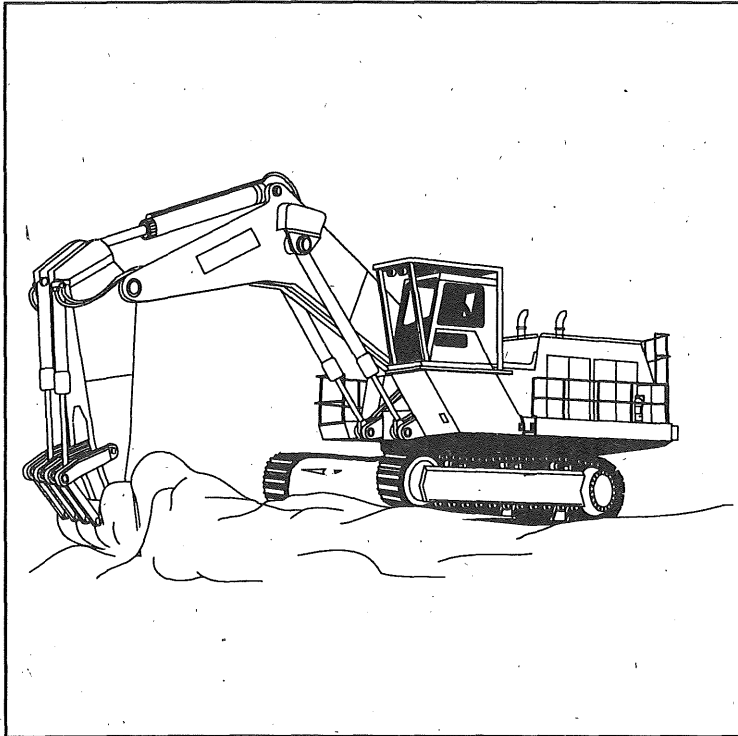


The Annual Report of the Inspector of Mines



2013

Terry O'Neil
Mine Inspector
St. Louis County
307 South First Street
Virginia, MN 55792
218-742-9841

Joseph Austin
Safety & Risk Mgmt. Director
St. Louis County
2503 Rice Lake Road
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218-726-2139

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

2013

INSPECTOR OF MINES

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ASSISTANT MINE INSPECTOR

Paul Wier
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ASSISTANT MINE INSPECTOR

Steve Manninen
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HOME PHONE: 218-744-2817
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OFFICE AT
NORTHLAND OFFICE BUILDING
307 South First Street, Virginia, Minnesota 55792
PHONE: 218-742-9841

THE ST. LOUIS COUNTY BOARD OF COMMISSIONERS

- District 1 Frank Jewel, Duluth, Minnesota
- District 2 Steven O'Neil, Duluth, Minnesota
Angie Miller, Duluth, Minnesota
- District 3 Chris Dahlberg, Duluth, Minnesota
- District 4 Mike Forsman, Ely, Minnesota
- District 5 Pete Stauber, Hermantown, Minnesota
- District 6 Keith Nelson, Virginia, Minnesota
- District 7 Steve Raukar, Kelly Lake, Minnesota

THE ITASCA COUNTY BOARD OF COMMISSIONERS

- District 1 Davin Tinquist
- District 2 Terry Snyder
- District 3 Leo Trunt
- District 4 Rusty Eichorn
- District 5 Mark Mandich
- Jeff Walker Itasca County Auditor
- Vic Williams Itasca County Sheriff, Itasca County Mine Inspector

December 31, 2013

THE HONORABLE BOARDS OF COMMISSIONERS

**ST. LOUIS COUNTY
COURT HOUSE
DULUTH, MN 55802-1202**

**ITASCA COUNTY
COURT HOUSE
GRAND RAPIDS, MN 55744**

Dear Chairs Forsman, Trunt and Commissioners:

The Annual Report of the Inspector of Mines for 2013 is herewith submitted. Overall, 2013 turned out to be a strong economic year for mining in Northern Minnesota. A total of 40,221,204 tons of natural ore and taconite were shipped from area operations. Reported mining-related employment in 2013 was 4,371 people, which is approximately 17 percent higher than the 10 year average. The work hours reported for area mining operations totaled 9,184,607 for the year.

Several operations hold promise for growth during the coming years, including an additional Magnetation Plant being built in Itasca County and Essar Steel's facility currently under construction near Nashwauk. On the copper/nickel/precious metal mining front, PolyMet submitted its Environmental Impact Statement (EIS) for public review this year and continues to progress through the permitting process. Closer to Ely, Twin Metals continued its exploration activities toward the objective of semi-precious metal mining.

During 2013, area mining operations had a total of 29 lost time or serious accidents reported, an increase of 12 from the previous year. Zero fatalities were reported. The continued commitment to the safety of all those who work in the mining industry is our shared goal.

Of note is the fact that the Mine Inspectors Office moved into newly renovated and easily accessible space in the Northland Office Building at 307 S. 1st St., Virginia, in May of 2013. For 26 years previous to this, our office was located at the Virginia Public Works facility off Highway 135.

In 2013 significant positive progress was completed on the public safety front. This includes the three projects related to mine workings subsidence described below. A shaft that subsided in a yard of a residential area in Leetonia, potentially providing access to the public, was filled with the help of Great Northern and Conoco Phillips eliminating the hazard. The St. Louis County Public Works Department assisted our office by mitigating hazards associated with a subsided and previously accessible shaft inside the enclosure of the Bruce Head Frame, located by Chisholm. Near the city of McKinley, an accessible shaft was identified, and with the help of IRRRB Mining & Reclamation, a large perimeter fence that encloses the area was erected to prevent access and minimize associated hazards. The cooperation and quick response from all involved with these collaborative projects is why they were successful and is much appreciated.

(Continued on page 3)

On the regulatory front, positive revisions to MS 180, the law governing the mine inspection function, were made in St. Paul this year. The revisions provide a much needed update to modernize the statute while at the same time maintain the inspection, investigation and reporting requirements associated with the office that have served to promote Mine Safety since the law was originally promulgated in 1905. Many stakeholders including Mine/Mine Safety representatives, Union officials, Mine Safety Committee representatives, the Iron Mining Association, the St. Louis County Board and Administration worked collaboratively to assure that the changes made sense and to get them passed into law. Special thanks to Senators David Tomassoni of St. Louis County, Tom Saxhaug from Grand Rapids and Representative Tom Anzels from Cass and Itasca County for their efforts in St. Paul to get the changes passed into law. It is clear that without the team/collaborative effort put forward the law would not have been updated.

St. Louis County Mine Inspectors successfully completed all required inspections of area operations, which are mandated by Minnesota state law Chapter 180, Section 180.03 during 2013.

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,



Terry O'Neil
Inspector of Mines



Joseph J. Austin MS, MIS, CHMM
Director, Safety and Risk Management

Excerpts from the Law On
INSPECTOR OF MINES

CHAPTER 180

MINNESOTA STATUTES

SECTION 180.08

ACCIDENTS; NOTICE, INVESTIGATION

Upon the occurrence of a reportable accident, it is the duty of the manager or designee of the mine to give notice to the inspector of mines, as soon as practical but at least within one hour of stabilization of the accident scene, stating the particulars of the accident. Upon notification, the inspector shall, if the inspector deems it necessary, go immediately to the scene of the accident and make suggestions and render assistance as the inspector may deem necessary in the premises and personally investigate the cause of the accident and take steps as the inspector may deem necessary for the safety of the employees of the mine and to prevent accident of a like or similar nature. The inspector shall be accompanied by three persons appointed by the manager or other person in charge of the mine and by three persons appointed by a majority of the employees of the mine. The requirement for accompaniment may be modified by a waiver signed by representatives from the employees, management, and inspector.

SUMMARY OF STATISTICS

2013

Number of Mining Companies	9
Number of Mines in Operation	9
Number of Plants in Operation	9
Number of Wash Plants	0
Number of Mines Inactive	285
Number of Abandoned Mine Shafts Inspected	66
Total Number of Mines and Plants	294
Total Taconite Products Shipped	39,154,197
Total Ore Shipped	1,067,007
Taconite Mined	139,775,903
Stripping and Waste Removal, Tons	137,869,852
Total Material Moved, Tons Estimate	277,645,755
Total People Employed	4,371
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	29
Total Number of Man-hours Worked	9,184,607
Number of Investigations and Inspections	428

LABOR CLASSIFICATION AND HOURLY RATES

Shift Difference:	Sunday 1-1/2 Time
.....	Afternoon \$0.25
.....	Night \$0.25

2013 WAGE RATES INCENTIVE INCLUDED

Labor Grade	Wage Rate
1	\$23.49
2	\$25.71
3	\$28.28
4	\$29.77
5	\$31.61

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 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

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	26,608,769	5,250	33	0	0.00	94.19
1987	9	30,063,909	4,857	26	1	0.21	94.19
1988	9	37,250,243	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	6,051	97	1	0.17	93.936
1995	9	47,030,820	6,005	87	0	0.00	97.936
1996	8	46,144,621	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	5,611	77	1	0.18	109.936
2001	8	34,144,559	4,212	60	0	0.00	113.936
2002	8	39,087,907	4,036	60	0	0.00	113.936

YEAR	MINES	TONS SHIPPED	EMPLOYED	INJURED	FATALS	FAT/1000	WAGES
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	40,464,089	3,568	29	0	0.00	178.40 Average/Day
2006	7	39,617,873	3,714	14	1	0.27	178.40 Average Day
2007	7	38,041,616	3,724	13	2	0.54	187.848
2008	7	40,599,311	3,732	26	0	0.00	182.40 see pg. 5 wages
2009	7	18,025,710	2,687	39	0	0.00	201.44 see pg. 5 wages
2010	7	37,996,765	3,761	27	0	0.00	238.44 see pg. 5 wages
2011	7	40,395,202	4,215	24	0	0.00	188.40 see pg. 5 wages
2012	9	41,099,022	4,441	17	0	0.00	221.85 see pg. 5 wages
2013	9	40,221,204	4,371	29	0	0.00	226.24 see pg. 5 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, 2013

MINES AND PLANTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PRODUCTS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE (Rock & Overburden)	AVERAGE NUMBER PEOPLE EMPLOYED PLANTS / PITS	MAN HOURS	MONTHS WORKED
UNITED TACONITE LLC		5,203,559	15,124,024	17,606,580	514	1,107,170	12
KEEWATIN TACONITE CO. DIVISION OF USS MINNESOTA ORE OPERATIONS	St. Louis Itasca	4,956,646	68,384 18,925,735	4,998,583 9,219,932 Shops, Warehouse & Misc. 34	Mine 221 Plant 167 34	461,843 349,384 71,238	12 12 12
HIBBING TACONITE CO.		7,676,250	28,131,427	34,658,196	764	1,606,515	12
ARCELORMITTAL MINORCA MINE, INC.		Pellets-2,806,034 Pellet Chips- 36,356	8,857,993	7,150,195	352	759,373	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, 2013

MINES AND PLANTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PRODUCTS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE (Rock & Overburden)	AVERAGE NUMBER PEOPLE EMPLOYED PLANTS / PITS	MAN HOURS	MONTHS WORKED
NORTH SHORE MINING CO. Babbitt and Silver Bay		4,245,330	11,685,037	7,562,530	572	1,182,495	12
MINING RESOURCES, LLC	443,986		1,605,885	(iron ore tailings)	61	132,888	12
USS CORPORATION MINNESOTA ORE OPERATIONS Minntac Plant Minntac Mine, Maintenance Administration		14,230,022	49,427,341	56,673,836	674 715 131	1,406,598 1,491,215 272,410	12 12 12
TOTALS	443,986	39,154,197	133,825,826	137,869,852	4,205	8,841,129	

**REPORT TO COUNTY INSPECTOR OF MINES
(Minnesota Statutes 180)
ORE SHIPPED FROM MINES, TONS OF STRIPPING REMOVED
NUMBER OF PEOPLE EMPLOYED, MINES OF ITASCA COUNTY, MINNESOTA
YEAR ENDING DECEMBER 31, 2013**

MINES AND PLANTS	TONS OF NATURAL ORE SHIPPED	TONS OF TACONITE PRODUCTS SHIPPED	TOTAL TACONITE MINED	TONS STRIPPING WASTE (Rock & Overburden)	AVERAGE NUMBER PEOPLE EMPLOYED PLANTS / PITS	MAN HOURS	MONTHS WORKED
MAGNETATION LLC Plant 1 - Keewatin Plant 2 - Taconite *In some instances, natural ore is stockpiled	1,774* 621,247		1,168,725 (iron ore tailings) 4,781,352 (iron ore tailings)		63 103	130,588 212,890	12 12
TOTAL ITASCA COUNTY	623,021	0	5,950,077	0	166	343,478	
TOTAL ST. LOUIS COUNTY	443,986	39,154,197	133,825,826	137,869,852	4,205	8,841,129	
TOTALS	1,067,007	39,154,197	139,775,903	137,869,852	4,371	9,184,607	

**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

Lawrence Sutherland General Manager
Travis Kolari Plant Manager
Michael Bakk Area Manager - Electrical & Mine Maintenance
Sarrah Mattila Area Manager, Mine Operations & Crusher
Kraig Raiber Area Manager - Plant Operations & Maintenance
Doug Johnson Division Manager - Ore Movement & ISO
John Skube Manager - Employee Relations
Angelo Sgro Manager - Safety & Industrial Hygiene
Kent Swanson Industrial Hygiene Specialist
Gerry Orrell Safety & IH Specialist
Melody Balke Management Associate Safety & IH

* * * * *

UNITED TACONITE LLC

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

Santi Romani General Manager
Mike Smith Area Manager - Plant
Nick Beukema Area Manager - Mine
Dean Weiberg Area Manager - Asset Management
Todd Nelson Area Manager - Finance
John Baxter Area Manager - Human Resources
Bryan Baird Area Manager - Safety
Candice Maxwell Section Manager - Environmental
Jon Lamusga Section Manager - Materials

HIBBING TACONITE COMPANY

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

Jack T. Croswell General Manager
Dana Koth Manager - Technical Services/Asset Management
Tim Tomsich Manager - Financial Control
Jared Lubben Manager - Mining
Rally Hess Manager - Plants
Michael P. Kern Manager - Human Resources
Andrea J. Bakk Manager - Safety & Loss Control
Julie C. Lucas Manager - Environmental
Tim Angelo Manager - Procurement

* * * * *

MINING RESOURCES, LLC

P.O. Box 151
Chisholm, Minnesota 55719
Phone: 218-254-0163
Fax: 218-254-9987

David Bednarz Vice President
Tom Lutes Manager - Plant
Amy Berns Environmental Health & Safety Coordinator

ARCELORMITTAL MINORCA MINE, INC.

5950 Old U.S. Highway 53 North

P.O. Box 1

Virginia, MN 55792

Phone: 218-749-5910

Fax: 218-749-3420

E-mail: jonathan.holmes@arcelormittal.com

Officers

Michael Rippey President and CEO, Flat Carbon
P.S. Venkat CEO, Long Products
Andy Harshaw Executive Vice President, Operations
Daniel Mull Executive Vice President, Sales & Marketing
Paul Liebenson General Counsel & Assistant Secretary
John Brett Executive Vice President, Finance & Planning and
Procurement
R. Brian Knaley Controller
Om Mandhana Vice President, Procurement
Dale Laidlaw Vice President, Human Resources, FCA
Vaidya Sethuraman Vice President, Finance/CFO, FCA
Pat Parker Vice President, Labor Relations
Marc Jeske Associate General Counsel
Thomas McCue Treasurer
Ken E. Walker Assistant Treasurer
Christine F. Fleps Assistant Treasurer
Joseph P. Wallace Assistant Treasurer

Managers

Jonathan H. Holmes Vice President/Operations Manager -
ArcelorMittal Minorca Mine
William Bond Manager - Operating Technology
Scott Harrison Manager - Pit
Darrell Maki Manager - Plant
Gary Kleffman Manager - Human Resources/Labor Relations
Karla Heritage-McKenzie Manager - Safety
Thomas Cossalter Manager - Purchasing

* * * * *

NORTHSHORE MINING COMPANY

10 Outer Drive
Silver Bay, Minnesota 55614
Phone: 218-226-4125
Fax: 218-226-6037

NORTHSHORE MINING BABBITT MINE

BABBITT, MINNESOTA 55706

Phone: 218-827-2101

Ed Latendresse General Manager
Chuck Rennwald Plant Manager
Connor McCue Mine Manager
Bryon Rusco Railroad Manager
Ron Holm Safety Manager
Andrea Hayden Environmental Manager
Bill Bundschuh Silver Bay Power Manager
Ken Stocco Reliability Manager
Carl Kerschen Human Resource Manager
Alis Stevens Purchasing Manager
Scott Deming Finance Manager
Scott Blood Plant Safety Representative
Maria Strand Plant Safety Associate
Rod Lampton Mine Safety Representative

UNITED STATES STEEL CORPORATION

Minnesota Ore Operations

Minntac

P.O. Box 417

Mt. Iron, MN 55768

Phone: 218-749-7299

Lawrence Sutherland General Manager
Mike Patton Plant Manager
Scott Vagle Division Manager - Mining, Maintenance
Ron Flick Division Manager - Concentrating and Crushing
Tim Kalisch Division Manager - Agglomerating
Doug Johnson Division Manager, Ore Movement & ISO
John Skube Manager - Employee Relations
Angelo Sgro Manager - Safety & Industrial Hygiene
Kent Swanson Industrial Hygiene Specialist
Robert Youngman Safety & IH Specialist
Mike Levar Safety & IH Specialist
Stephen Richards Safety & IH Specialist

POLYMET MINING

P.O. Box 475
6500 County Road 666
Hoyt Lakes, MN 55750
Phone: 218-471-2150

Jon Cherry President and Chief Executive Officer
Joe Scipioni Chief Operating Officer
LaTisha Gietzen Director of Public and Community Relations
James Tieberg Division Manager - Mining
Paul Brunfelt Division Manager - Plant
Kevin Pylka Manager of Environmental Permitting & Compliance

* * * * *

MAGNETATION LLC

102 NE 3rd Street
Suite 120
Grand Rapids, MN 55744
Phone: 218-999-5165
Fax: 218-999-5827

Larry Lehtinen Chairman & CEO
Matt Lehtinen President & COO
Danilo Bibancos VP - Concentrate Operations
Joe Broking CFO

* * * * *

ALWORTH LAND & IMPROVEMENT COMPANY

306 W. Superior Street, Suite 1605

Duluth, Minnesota 55802-1816

Phone: 218-722-0816

Nicholas B. Alworth Chairman
John Signorelli Vice Chairman
Steven G. LaFlamme President
Terry F. Netzel Assistant Vice President
George W. Kratzner Treasurer
Thea M. Barnes Secretary
Patricia S. McGaffey Assistant Secretary/Assistant Treasurer

* * * * *

CONGDON MINERAL MANAGEMENT INC.

3920 13 Ave. E., Suite 7

Hibbing, Minnesota 55746-3675

Phone: 218-262-0799

Fax: 206-203-0098

David C. Adams President
David G. Meineke Vice President
Ann L. Albrecht Assistant Secretary and Treasurer

* * * * *

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
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Mark Myles Trust Manager

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Cliff Rasch Barr Engineering

Patrick Bloom Cliffs Natural Resources

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Jack Crowell Cliffs Natural Resources - Hibbing Taconite

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Frank Ongaro Executive Director
* * * * *

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R.K. Prescott Chairman
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Division of Lands and Minerals

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* * * * *

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Steve Manninen Assistant Mine Inspector

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Matt Robillard Full-Time Safety Representative, Mine/Shops
Mitch McDonald Full-Time Safety Representative, Concentrator/
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Dave Toole Full-Time Safety Representative,
Agglomerators I, II, III

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BUILDING AND CONSTRUCTION LABORERS
LOCAL 1097

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Richard M. Walker "E" Board Member
Mark Towner "E" Board Member
Wayne Monson Recording Secretary
Michael G. Warner Sargeant at Arms
Shelly A. Witanen Office Manager

NON-FATAL LOST-TIME AND SERIOUS ACCIDENTS

MAGNETATION

PLANT 1:

No lost time accidents for 2013

PLANT 2:

Millwright – Date of Accident – November 17, 2013 – Injured stepped out of man-basket when his knee popped. Days Lost: 11

NORTHSHORE MINING COMPANY

BABBITT:

Mine Maintenance Technician. Date of Accident – January 14, 2013. Injured was guiding a truck out of a Truck Shop door. The technician then walked to the back of the parking lot to bring in another truck. As he turned to grab the ladder on the truck, he slipped on the snow and ice and fell onto his right shoulder. As a result of this fall, he suffered a tear to his rotator cuff, which required surgery. Days Lost – 75

SILVER BAY:

Pellet Plant Supervisor. Date of Accident – November 25, 2013. Injured was standing on a furnace viewing platform to observe bull gear and pallets. As he turned on the platform, his foot slipped off causing him to fall to the floor below. When he fell, he hit his head and suffered a concussion. Days Lost – 15.

USS CORPORATION, MINNESOTA ORE OPERATIONS MINNTAC:

MTE – Electrician, Date of Accident-October 16, 2013. Employee and partner were assigned to make adjustments on the 9A Oil Circuit Breaker (OCB) isolation switches at the #1 Switch yard. The employees locked out and were performing voltage checks to verify that the transformer was de-energized with a live-dead-live test procedure. The testing procedure requires verification that the equipment is de-energized using a volt meter by first testing on a known live circuit, then testing on a de-energized circuit, and then retesting on a known live circuit. The employee tested and verified 69 Kv on the DS23 isolation switch for the 6A OCB. He then checked and verified no voltage on the DS30 isolation switch on the 9A OCB. To complete the live-dead-live test, the injured employee checked the DS23 isolation switch for voltage on the 6A OCB. While performing the final live test, an arc flash occurred from phase to ground knocking both of the employees to the ground and causing a contusion to the employee's head. Days Lost – 1

MTM-Millwright, Date of Accident – November 21, 2013. Two employees were working on the #52 Drill in the East Pit. The employees had removed a section of pipe (7 feet long and 6 inches in diameter) in order to correct a leak on the water line. They had taken the section of pipe to MES to steam. After steaming, the two employees carried the section of pipe to the back of the 606 Service Truck. The injured employee had his left hand on the bottom of the pipe and his right hand on the other side. The injured's co-worker was pushing from the back of the pipe. As the employee began to feed the pipe into the bed of the truck, a flange on the pipe caught the tailgate. When this occurred, the employee's left index finger became pinched in between the flange and a sleeve that goes around the pipe. Days Lost – 19

KEETAC:

Steam Room Attendant, Date of Accident – March 4, 2013. The injured employee was steam cleaning ice and mud from a production truck prior to moving it to the PM stall for regular servicing. As the employee accessed the area in between the fender and the tire, a piece of mud/ice fell from above and struck him in the lower back. Days Lost – 11

UNITED TACONITE LLC:

Mine Operations, Date of Accident – January 11, 2013. Fuel truck slid out of control on an icy roadway. The vehicle lost traction on the ice and reportedly spun around at least two rotations prior to contacting the windrow of snow at the edge of the roadway and tipping over onto the passenger side. The employee was wearing his seat belt and was suspended by the seat belt. He unbuckled the seatbelt which caused him to fall to the passenger side of the vehicle. The impact from the accident and fall resulted in multiple injuries. Days Lost – 242

Plant Operations, Date of Accident – January 18, 2013. The employee placed plywood cover back on a chute and felt tightness in back and side stomach area when employee got home. Days Lost – 87

Plant Supervisor, Date of Accident – February 22, 2013. The employee was walking from outside of the concentrator to the building and slipped on an icy patch and fell to the ground injuring his left shoulder. Days Lost - 50

Plant Mechanic, Date of Accident – March 15, 2013. The employee was tightening up a dump wheel nut & felt a pop in his lower left calf. Days Lost – 6

Mine Maintenance, Date of Accident – April 23, 2013. The employee slipped on some ice that was located on the last tread of the Coarse Crusher dust collector stairs and reported pain in his shoulder. Days Lost – 47

Mine Operations, Date of Accident – October 15, 2013. During the pre-shift inspection, the Cat operator was checking the equalizer bar end pins on the oil reservoir located on the left side of a D11 dozer. The operator slipped and fell off of the platform to the ground below. The fall resulted in injuries to his ribs, and a laceration to his forehead. Days Lost – 3

Plant Mechanic, Date of Accident – November 5, 2013. Employee was using a 4-1/2 inch electric grinder while fabricating handrails, he set the grinder on the table before the wheel had stopped spinning, and the sanding flap wheel caught his glove and sucked it into the grinder between the wheel and the guard. Injured cut his tendon on the middle finger of his left hand. Days Lost - 43

Plant Mechanic, Date of Accident – November 13, 2013. Employee was changing a feed elbow for the 3D rougher. He was moving a rougher stool stand for supporting the rougher drum and felt a strain in his groin area. Days Lost – 45

UNITED TACONITE LLC (cont)

Plant Operations, Date of Accident – November 15, 2013. Employee was descending down a stairway and stumbled on the next to last stair tread. He placed his heel on the stair tread and lost his balance causing him to fall on the landing. He injured his right knee. Days Lost – 28

Plant Mechanic, Date of Accident – November 20, 2013. Employee felt a strain in his back when pulling a welding cart while walking backwards. Days Lost - 25

Mine Supervisor, Date of Accident – December 13, 2013. Employee slipped while walking to vehicle parked in small fleet vehicle area. Injuries were significant bruising. Days Lost - 3

Mine Maintenance, Date of Accident – December 15, 2013. While lifting an engine turbo for the 18 shovel, pit service felt a pop with pain in his lower back. Days Lost - 2

MINING RESOURCES, LLC

No Lost Time Accidents for 2013

HIBBING TACONITE COMPANY

Separator Attendant, Date of Accident – January 13, 2013. Separator attendant, with 11 months of experience, was going to collect tails samples from the 410-3 rougher. When he opened the sampling door on the rougher, the hinge along the bottom of the door failed. The door began to fall directly down toward the employee. The employee grabbed the guard and caught it. He felt a sharp pull in his shoulder. The guard weighs in excess of 50 lbs. Incident resulted in surgery. Days Lost - 54

Automotive Mechanic-Standard, Date of Accident – February 21, 2013. Auto mechanic, with over 30 years of experience, was working in the 117 stall of the mine service building. He was changing a tire on the front of 648 pickup truck. After removing the lug nuts the wheel would not come off, so he hit the wheel with a 10lb urethane sledge hammer to break it free. Following this job the auto mechanic stated he had soreness in his left shoulder area. The incident resulted in shoulder surgery (6-13-13). Days Lost – 65

Automotive Mechanic – Standard, Date of Accident – April 12, 2013. Auto mechanic, with over 20 years of experience was working in stall 127 installing a fan belt on pro truck #240. It takes two employees to install a belt. One employee works from the top of the pulley and one employee goes beneath the truck to reach up. The employee beneath the truck was reaching up from the bottom and felt a strain in his left shoulder. Incident resulted in surgery. Days Lost – 64

HIBBING TACONITE COMPANY (cont)

Service Equipment Operator (SEO), Date of Accident – July 1, 2013. SEO with 23 years of experience was working on moving 55 gallon drums under the control room in the oil barrel storage area. The locations of the drums were such that the 894 forklift could not access them. The drums were filled with used grease, used oil and rags. The barrels weigh at least 500 lbs. The employee was rolling the drums along the edges to place them for the forklift to move them, when he felt a discomfort in his belly button area. Incident resulted in hernia repair surgery. Days Lost – 31

Mining Equipment Operator (MEO), Date of Accident – August 3, 2013. MEO, with 3 years of experience. When the MEO got to the #9 drill, located in group 5 mace area, the MEO walked the pattern to investigate the potential hazards that he had read about in the drill notes. As he was walking the drill pattern to look for the cracks he lost his footing. When he tried to catch himself from his fall, his hand caught a sharp rock cutting the lower pad of his left hand (below his thumb). The MEO received stitches. The employee was given an antibiotic for the injury which caused an allergic reaction, causing him to miss work. Days Lost – 5

Separator Attendant, Date of Accident – August 8, 2013. A separator attendant was pulling hose across the laundry floor. The hose caught on the cement slab while she was pulling; she then felt pain in her back. Days Lost — 2

Green Feed Attendant, Date of Accident – September 8, 2013. A green feed attendant with 1 year and 9 months experience was working in phase 1 of the pellet plant. While scraping H mixer chute, employee reported feeling pain in lower back. Days Lost - 1

ARCELORMITTAL MINORCA MINE INC.

Pit Welder, Date of Accident – January 21, 2013. Employee was TIG welding on an outrigger pad. Injured was re-positioning the outrigger pad at the work bench. Injured had lifted his welding hood, and had the aluminum rod in left hand and torch in his right hand. As he re-positioned the outrigger pad, the wire rod went under his safety glasses scratching his left eye. Days Lost – 1

Crusher Millwright, Date of Accident – March 5, 2013. Employee was walking on ground level to stairs to 43 belt drive house. He grabbed the hand railing and slipped on snow. His right leg struck an angle iron of the stairs and his leg went out from under him. He fell to the ground. Employee dislocated and fractured his right ankle. Days Lost – 68

ARCELORMITTAL MINORCA MINE INC. (cont)

Shovel Operator, Date of Accident – September 22, 2013. Employee was digging on a slope. He struck the ledge with the shovel bucket causing the excavator to rise up on the tracks. It then slid back and abruptly lowered to the ground. Employee had low back strain. Days Lost – 3

Yard Crew Equipment Operator, Date of Accident – September 24, 2013. Employee was boarding a backhoe and slipped off the step. Employee felt a burning sensation in right knee. Foot slipped approximately 18” to the ground. Employee had right knee strain. Days Lost - 11