

**MSHA BY THE NUMBERS (CY 1978-2015) - Includes Fatal and Injury Rates**

| All Mine Safety and Health                     | 2009    | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    | 173,068 | 170,064 | 156,365 | 138,939 | 118,145 | 121,189 | 107,965 |
| Elevated Enforcement Actions                   | 5,242   | 6,147   | 5,167   | 3,893   | 3,030   | 3,486   | 2,872   |
| S&S Citations and Orders (%)                   | 29%     | 32%     | 29%     | 26%     | 25%     | 24%     | 24%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 137.2   | 162.8   | 161.2   | 122.9   | 94.3    | 96.8    | 65.0    |
| Fatal Injury Rate <sup>3*</sup>                | .0119   | .0237   | .0110   | .0110   | .0132   | .0148   | .0099   |
| NFDL Rate <sup>3*</sup>                        | 2.03    | 1.87    | 1.80    | 1.72    | 1.69    | 1.70    | 1.55    |
| Lost-Time Rate <sup>3*</sup>                   | 2.04    | 1.90    | 1.81    | 1.74    | 1.70    | 1.71    | 1.56    |
| All Injury Rate <sup>3*</sup>                  | 3.01    | 2.81    | 2.75    | 2.56    | 2.49    | 2.46    | 2.30    |

| All Mine Safety and Health                     | 2002    | 2003    | 2004    | 2005    | 2006    | 2007    | 2008    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    | 105,589 | 109,675 | 120,812 | 127,766 | 140,082 | 144,074 | 173,549 |
| Elevated Enforcement Actions                   | 2,924   | 3,291   | 4,115   | 4,094   | 4,880   | 4,752   | 4,826   |
| S&S Citations and Orders (%)                   | 32%     | 32%     | 33%     | 32%     | 32%     | 29%     | 27%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 24.8    | 19.9    | 24.8    | 28.1    | 42.8    | 130.0   | 143.4   |
| Fatal Injury Rate <sup>3*</sup>                | .0240   | .0197   | .0184   | .0183   | .0220   | .0199   | .0156   |
| NFDL Rate <sup>3*</sup>                        | 3.22    | 2.79    | 2.69    | 2.63    | 2.43    | 2.31    | 2.18    |
| Lost-Time Rate <sup>3*</sup>                   | 3.25    | 2.81    | 2.71    | 2.64    | 2.45    | 2.33    | 2.19    |
| All Injury Rate <sup>3*</sup>                  | 4.60    | 4.23    | 4.05    | 3.92    | 3.64    | 3.43    | 3.25    |

| All Mine Safety and Health                     | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    | 123,147 | 106,871 | 116,226 | 115,807 | 115,371 | 120,040 | 126,356 |
| Elevated Enforcement Actions                   | 3,527   | 2,943   | 3,091   | 3,391   | 3,097   | 3,220   | 3,189   |
| S&S Citations and Orders (%)                   | 41%     | 37%     | 35%     | 37%     | 36%     | 36%     | 34%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 25.1    | 17.7    | 20.3    | 25.7    | 27.1    | 25.1    | 23.2    |
| Fatal Injury Rate <sup>3*</sup>                | .0303   | .0261   | .0274   | .0244   | .0282   | .0272   | .0232   |
| NFDL Rate <sup>3*</sup>                        | 4.19    | 3.79    | 3.64    | 3.72    | 3.46    | 3.49    | 3.22    |
| Lost-Time Rate <sup>3*</sup>                   | 4.22    | 3.82    | 3.66    | 3.75    | 3.48    | 3.51    | 3.24    |
| All Injury Rate <sup>3*</sup>                  | 6.30    | 5.73    | 5.52    | 5.51    | 5.08    | 5.13    | 4.75    |

| All Mine Safety and Health                     | 1988    | 1989    | 1990    | 1991    | 1992    | 1993    | 1994    |
|--|---------|---------|---------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    | 161,363 | 160,998 | 155,995 | 156,723 | 146,582 | 136,731 | 136,601 |
| Elevated Enforcement Actions                   | 7,573   | 6,322   | 6,632   | 7,216   | 5,851   | 5,857   | 5,332   |
| S&S Citations and Orders (%)                   | 59%     | 58%     | 58%     | 53%     | 48%     | 47%     | 44%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> | N/A     | N/A     | N/A     | N/A     | N/A     | N/A     | 28.2    |
| Fatal Injury Rate <sup>3*</sup>                | .0282   | .0317   | .0329   | .0325   | .0288   | .0303   | .0255   |
| NFDL Rate <sup>3*</sup>                        | 5.96    | 5.89    | 5.77    | 5.62    | 5.09    | 4.79    | 4.76    |
| Lost-Time Rate <sup>3*</sup>                   | 5.98    | 5.92    | 5.80    | 5.65    | 5.11    | 4.82    | 4.78    |
| All Injury Rate <sup>3*</sup>                  | 8.99    | 9.08    | 8.37    | 8.17    | 7.48    | 7.1     | 6.96    |

| All Mine Safety and Health                     |  |  | 1983    | 1984    | 1985    | 1986    | 1987    |
|--|--|--|---------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | 107,996 | 131,748 | 134,171 | 132,971 | 153,465 |
| Elevated Enforcement Actions                   |  |  | 3,784   | 6,298   | 6,951   | 6,009   | 7,400   |
| S&S Citations and Orders (%)                   |  |  | 30%     | 46%     | 57%     | 59%     | 58%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A     | N/A     | N/A     | N/A     | N/A     |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0361   | .0529   | .0334   | .0385   | .0367   |
| NFDL Rate <sup>3*</sup>                        |  |  | 4.10    | 4.15    | 3.90    | 4.29    | 5.59    |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 4.14    | 4.21    | 3.93    | 4.32    | 5.62    |
| All Injury Rate <sup>3*</sup>                  |  |  | 5.66    | 5.68    | 5.45    | 6.01    | 8.19    |

| All Mine Safety and Health                     |  |  | 1978  | 1979  | 1980  | 1981  | 1982  |
|--|--|--|-------|-------|-------|-------|-------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Elevated Enforcement Actions                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| S&S Citations and Orders (%)                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0515 | .0521 | .0475 | .0502 | .0479 |
| NFDL Rate <sup>3*</sup>                        |  |  | 5.77  | 6.37  | 6.05  | 5.30  | 5.11  |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 5.82  | 6.42  | 6.10  | 5.35  | 5.16  |
| All Injury Rate <sup>3*</sup>                  |  |  | 8.85  | 8.79  | 8.09  | 7.16  | 6.78  |

NOTE: 1978-1982 data not available in the MSIS

Data source (for 1978-1982):

All Coal: <http://arlweb.msha.gov/ACCINJ/BOTHCL.HTM>

All MNM: <http://arlweb.msha.gov/ACCINJ/ALLMETAL.HTM>

NOTE: The following metrics - **Citations and Orders Issued**; **Fatal Injury Rate**; and, **All Injury Rate** - are all reported in the *MSHA At A Glance Report*. The first "At A Glance" report was published in 2008, and for the metrics, above, the 1990, 1995, and 2000-2015 data are based on historical publications; and, all other years between 1983-2015, are pulled by MSIS. Furthermore, all other metrics reported between 1983-2015 are pulled by MSIS

\*Values are all inclusive of operator and contractor employees.

1-Citations and orders are those not vacated.

2-Citations and Orders issued, and Dollar Amount Assessed, are based on issue date. Therefore, citation counts and dollars assessed can fluctuate, upwards or downwards, depending on the date information was pulled. For example, numbers tend to fluctuate downwards when an issued citation is either conferenced or contested and is subsequently vacated. Dollars assessed can fluctuate upwards when there is a lag time between the issuance date and the assessed date.

3-Reported injuries per 200,000 hours worked.

**COAL Only (By the Numbers CY 1978-2015) - Includes Fatal and Injury Rates**

| Coal Mine Safety and Health                    | 2009    | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   |
|--|---------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 101,904 | 96,351 | 93,067 | 78,853 | 63,186 | 62,514 | 49,417 |
| Elevated Enforcement Actions                   | 2,611   | 2,856  | 2,798  | 1,691  | 1,200  | 1,237  | 745    |
| S&S Citations and Orders (%)                   | 30%     | 32%    | 31%    | 27%    | 26%    | 25%    | 23%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 96.4    | 110.6  | 120.1  | 89.4   | 65.0   | 63.1   | 37.1   |
| Fatal Injury Rate <sup>3*</sup>                | .0148   | .0384  | .0148  | .0159  | .0176  | .0150  | .0131  |
| NFDL Rate <sup>3*</sup>                        | 2.57    | 2.31   | 2.26   | 2.15   | 2.15   | 2.18   | 2.00   |
| Lost-Time Rate <sup>3*</sup>                   | 2.59    | 2.35   | 2.27   | 2.16   | 2.17   | 2.19   | 2.01   |
| All Injury Rate <sup>3*</sup>                  | 3.69    | 3.43   | 3.43   | 3.16   | 3.11   | 3.11   | 2.91   |

| Coal Mine Safety and Health                    | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008    |
|--|--------|--------|--------|--------|--------|--------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    | 57,201 | 56,700 | 64,449 | 69,026 | 77,667 | 84,143 | 106,793 |
| Elevated Enforcement Actions                   | 1,507  | 1,525  | 1,946  | 1,900  | 2,548  | 2,640  | 2,793   |
| S&S Citations and Orders (%)                   | 38%    | 39%    | 41%    | 39%    | 39%    | 35%    | 32%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 14.9   | 11.7   | 15.5   | 17.4   | 29.9   | 99.3   | 111.5   |
| Fatal Injury Rate <sup>3*</sup>                | .0279  | .0312  | .0273  | .0205  | .0400  | .0293  | .0237   |
| NFDL Rate <sup>3*</sup>                        | 4.51   | 3.70   | 3.47   | 3.21   | 3.05   | 2.94   | 2.67    |
| Lost-Time Rate <sup>3*</sup>                   | 4.54   | 3.73   | 3.50   | 3.23   | 3.09   | 2.97   | 2.69    |
| All Injury Rate <sup>3*</sup>                  | 6.03   | 5.38   | 5.00   | 4.62   | 4.46   | 4.21   | 3.89    |

| Coal Mine Safety and Health                    | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 82,121 | 71,396 | 66,752 | 62,597 | 57,501 | 58,278 | 68,165 |
| Elevated Enforcement Actions                   | 2,505  | 2,054  | 1,482  | 1,436  | 1,398  | 1,324  | 1,683  |
| S&S Citations and Orders (%)                   | 49%    | 41%    | 38%    | 42%    | 41%    | 42%    | 40%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 18.4   | 12.5   | 10.9   | 13.3   | 13.4   | 12.2   | 12.4   |
| Fatal Injury Rate <sup>3*</sup>                | .0398  | .0340  | .0262  | .0261  | .0340  | .0393  | .0402  |
| NFDL Rate <sup>3*</sup>                        | 6.22   | 5.33   | 5.08   | 5.32   | 4.85   | 4.96   | 4.39   |
| Lost-Time Rate <sup>3*</sup>                   | 6.26   | 5.36   | 5.11   | 5.34   | 4.89   | 5.00   | 4.43   |
| All Injury Rate <sup>3*</sup>                  | 8.22   | 7.24   | 6.97   | 7.15   | 6.44   | 6.64   | 6.03   |

| Coal Mine Safety and Health                    | 1988    | 1989    | 1990    | 1991    | 1992   | 1993   | 1994   |
|--|---------|---------|---------|---------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 113,902 | 110,245 | 107,515 | 109,196 | 93,306 | 90,401 | 89,780 |
| Elevated Enforcement Actions                   | 6,340   | 5,141   | 5,137   | 5,688   | 4,200  | 4,598  | 4,080  |
| S&S Citations and Orders (%)                   | 69%     | 69%     | 67%     | 62%     | 58%    | 56%    | 52%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | N/A     | N/A     | N/A     | N/A     | N/A    | N/A    | 20.4   |
| Fatal Injury Rate <sup>3*</sup>                | .0349   | .0450   | .0425   | .0423   | .0399  | .0382  | .0354  |
| NFDL Rate <sup>3*</sup>                        | 8.20    | 7.95    | 7.88    | 7.86    | 7.29   | 6.82   | 6.86   |
| Lost-Time Rate <sup>3*</sup>                   | 8.24    | 7.99    | 7.92    | 7.90    | 7.33   | 6.86   | 6.89   |
| All Injury Rate <sup>3*</sup>                  | 10.94   | 10.65   | 10.18   | 10.18   | 9.47   | 8.95   | 8.95   |

| Coal Mine Safety and Health                    |  |  | 1983   | 1984    | 1985    | 1986    | 1987    |
|--|--|--|--------|---------|---------|---------|---------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | 92,704 | 110,904 | 108,916 | 103,156 | 115,045 |
| Elevated Enforcement Actions                   |  |  | 3,487  | 5,766   | 6,325   | 5,414   | 6,484   |
| S&S Citations and Orders (%)                   |  |  | 32%    | 50%     | 62%     | 66%     | 66%     |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A    | N/A     | N/A     | N/A     | N/A     |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0400  | .0664   | .0379   | .0529   | .0400   |
| NFDL Rate <sup>3*</sup>                        |  |  | 5.46   | 5.45    | 5.06    | 5.60    | 7.84    |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 5.50   | 5.51    | 5.09    | 5.65    | 7.88    |
| All Injury Rate <sup>3*</sup>                  |  |  | 6.95   | 6.87    | 6.50    | 7.29    | 10.53   |

| Coal Mine Safety and Health                    |  |  | 1978  | 1979  | 1980  | 1981  | 1982  |
|--|--|--|-------|-------|-------|-------|-------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Elevated Enforcement Actions                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| S&S Citations and Orders (%)                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0527 | .0627 | .0587 | .0725 | .0582 |
| NFDL Rate <sup>3*</sup>                        |  |  | 7.35  | 8.29  | 8.27  | 7.35  | 6.79  |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 7.41  | 8.35  | 8.32  | 7.43  | 6.85  |
| All Injury Rate <sup>3*</sup>                  |  |  | 10.05 | 10.31 | 10.03 | 8.92  | 8.35  |

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All Coal: <http://arlweb.msha.gov/ACCINJ/BOTHCL.HTM>

All MNM: <http://arlweb.msha.gov/ACCINJ/ALLMETAL.HTM>

NOTE: The following metrics - **Citations and Orders Issued**; **Fatal Injury Rate**; and, **All Injury Rate** - are all reported in the *MSHA At A Glance Report*. The first "At A Glance" report was published in 2008, and for the metrics, above, the 1990, 1995, and 2000-2015 data are based on historical publications; and, all other years between 1983-2015, are pulled by MSIS. Furthermore, all other metrics reported between 1983-2015 are pulled by MSIS

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3-Reported injuries per 200,000 hours worked.

**MNM Only (By the Numbers CY 1978-2015) - Includes Fatal and Injury Rates**

| MNM Mine Safety and Health                     | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 71,164 | 73,713 | 63,298 | 60,086 | 54,959 | 58,675 | 58,548 |
| Elevated Enforcement Actions                   | 2,631  | 3,291  | 2,369  | 2,202  | 1,830  | 2,249  | 2,127  |
| S&S Citations and Orders (%)                   | 29%    | 31%    | 26%    | 25%    | 24%    | 24%    | 25%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 40.8   | 52.2   | 41.1   | 33.5   | 29.3   | 33.7   | 27.9   |
| Fatal Injury Rate <sup>3*</sup>                | .0098  | .0134  | .0084  | .0079  | .0108  | .0147  | .0084  |
| NFDL Rate <sup>3*</sup>                        | 1.65   | 1.57   | 1.48   | 1.46   | 1.43   | 1.44   | 1.35   |
| Lost-Time Rate <sup>3*</sup>                   | 1.66   | 1.58   | 1.48   | 1.47   | 1.44   | 1.46   | 1.36   |
| All Injury Rate <sup>3*</sup>                  | 2.54   | 2.37   | 2.28   | 2.19   | 2.13   | 2.10   | 2.02   |

| MNM Mine Safety and Health                     | 2002   | 2003   | 2004   | 2005   | 2006   | 2007   | 2008   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 48,388 | 52,975 | 56,363 | 58,740 | 62,415 | 59,931 | 66,756 |
| Elevated Enforcement Actions                   | 1,417  | 1,766  | 2,169  | 2,194  | 2,332  | 2,112  | 2,033  |
| S&S Citations and Orders (%)                   | 25%    | 24%    | 24%    | 23%    | 23%    | 22%    | 21%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 10.0   | 8.2    | 9.3    | 10.7   | 12.9   | 30.7   | 31.8   |
| Fatal Injury Rate <sup>3*</sup>                | .0220  | .0138  | .0137  | .0170  | .0122  | .0149  | .0107  |
| NFDL Rate <sup>3*</sup>                        | 2.55   | 2.33   | 2.28   | 2.31   | 2.08   | 1.98   | 1.89   |
| Lost-Time Rate <sup>3*</sup>                   | 2.57   | 2.34   | 2.30   | 2.32   | 2.09   | 1.99   | 1.90   |
| All Injury Rate <sup>3*</sup>                  | 3.86   | 3.65   | 3.55   | 3.54   | 3.19   | 3.02   | 2.87   |

| MNM Mine Safety and Health                     | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 41,026 | 35,475 | 49,474 | 53,210 | 57,870 | 61,762 | 58,191 |
| Elevated Enforcement Actions                   | 1,022  | 889    | 1,609  | 1,955  | 1,699  | 1,896  | 1,506  |
| S&S Citations and Orders (%)                   | 28%    | 28%    | 31%    | 32%    | 30%    | 31%    | 27%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | 6.7    | 5.1    | 9.4    | 12.4   | 13.7   | 12.9   | 10.8   |
| Fatal Injury Rate <sup>3*</sup>                | .0250  | .0218  | .0281  | .0235  | .0254  | .0218  | .0146  |
| NFDL Rate <sup>3*</sup>                        | 3.07   | 2.97   | 2.88   | 2.90   | 2.79   | 2.83   | 2.62   |
| Lost-Time Rate <sup>3*</sup>                   | 3.09   | 2.99   | 2.90   | 2.93   | 2.82   | 2.85   | 2.64   |
| All Injury Rate <sup>3*</sup>                  | 5.24   | 4.92   | 4.75   | 4.67   | 4.44   | 4.45   | 4.10   |

| MNM Mine Safety and Health                     | 1988   | 1989   | 1990   | 1991   | 1992   | 1993   | 1994   |
|--|--------|--------|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    | 47,461 | 50,753 | 48,480 | 47,527 | 53,276 | 46,330 | 46,821 |
| Elevated Enforcement Actions                   | 1,233  | 1,181  | 1,495  | 1,528  | 1,651  | 1,259  | 1,252  |
| S&S Citations and Orders (%)                   | 35%    | 33%    | 35%    | 34%    | 31%    | 29%    | 28%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> | N/A    | N/A    | N/A    | N/A    | N/A    | N/A    | 7.8    |
| Fatal Injury Rate <sup>3*</sup>                | .0234  | .0223  | .0261  | .0256  | .0213  | .0255  | .0194  |
| NFDL Rate <sup>3*</sup>                        | 4.33   | 4.44   | 4.24   | 4.06   | 3.58   | 3.54   | 3.46   |
| Lost-Time Rate <sup>3*</sup>                   | 4.35   | 4.47   | 4.27   | 4.08   | 3.60   | 3.56   | 3.48   |
| All Injury Rate <sup>3*</sup>                  | 7.57   | 7.98   | 7.05   | 6.76   | 6.13   | 5.96   | 5.73   |

| MNM Mine Safety and Health                     |  |  | 1983   | 1984   | 1985   | 1986   | 1987   |
|--|--|--|--------|--------|--------|--------|--------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | 15,292 | 20,844 | 25,255 | 29,815 | 38,420 |
| Elevated Enforcement Actions                   |  |  | 297    | 532    | 626    | 595    | 916    |
| S&S Citations and Orders (%)                   |  |  | 19%    | 29%    | 36%    | 37%    | 35%    |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A    | N/A    | N/A    | N/A    | N/A    |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0326  | .0401  | .0293  | .0257  | .0340  |
| NFDL Rate <sup>3*</sup>                        |  |  | 2.85   | 2.93   | 2.83   | 3.13   | 3.78   |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 2.88   | 2.97   | 2.86   | 3.15   | 3.82   |
| All Injury Rate <sup>3*</sup>                  |  |  | 4.48   | 4.56   | 4.48   | 4.89   | 6.31   |

| MNM Mine Safety and Health                     |  |  | 1978  | 1979  | 1980  | 1981  | 1982  |
|--|--|--|-------|-------|-------|-------|-------|
| Citations and Orders Issued <sup>1, 2</sup>    |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Elevated Enforcement Actions                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| S&S Citations and Orders (%)                   |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Dollar Amount Assessed (Millions) <sup>2</sup> |  |  | N/A   | N/A   | N/A   | N/A   | N/A   |
| Fatal Injury Rate <sup>3*</sup>                |  |  | .0505 | .0435 | .0381 | .0321 | .0336 |
| NFDL Rate <sup>3*</sup>                        |  |  | 4.58  | 4.81  | 4.19  | 3.65  | 2.80  |
| Lost-Time Rate <sup>3*</sup>                   |  |  | 4.63  | 4.85  | 4.23  | 3.68  | 2.83  |
| All Injury Rate <sup>3*</sup>                  |  |  | 7.95  | 7.57  | 6.46  | 5.75  | 4.62  |

NOTE: 1978-1982 data not available in the MSIS

Data source (for 1978-1982):

All MNM: <http://arlweb.msha.gov/ACCINJ/BOTHCL.HTM>

All MNM: <http://arlweb.msha.gov/ACCINJ/ALLMETAL.HTM>

NOTE: The following metrics - **Citations and Orders Issued**; **Fatal Injury Rate**; and, **All Injury Rate** - are all reported in the *MSHA At A Glance Report*. The first "At A Glance" report was published in 2008, and for the metrics, above, the 1990, 1995, and 2000-2015 data are based on historical publications; and, all other years between 1983-2015, are pulled by MSIS. Furthermore, all other metrics reported between 1983-2015 are pulled by MSIS

\*Values are all inclusive of operator and contractor employees.

1-Citations and orders are those not vacated.

2-Citations and Orders issued, and Dollar Amount Assessed, are based on issue date. Therefore, citation counts and dollars assessed can fluctuate, upwards or downwards, depending on the date information was pulled. For example, numbers tend to fluctuate downwards when an issued citation is either conferred or contested and is subsequently vacated. Dollars assessed can fluctuate upwards when there is a lag time between the issuance date and the assessed date.

3-Reported injuries per 200,000 hours worked.