A View of MSHA

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Metal/Nonmetal Mine Safety and Health
MSHA
Statutory Functions

- **Mine Act**
  - Authorize Representatives of the Secretary of Labor (AR’s) shall inspect each surface mine at least 2 times a year and each underground mine at least 4 times a year to determine whether there is compliance with health and safety standards or with any citation, order or decision issued under the Mine Act and whether an imminent danger exists.
  - Issuance of Citations/Orders
    - Approximately 17,000 regular mandated inspections were conducted at Metal and Nonmetal operations in 2003.
      - Over 13,700 conducted at Aggregate Operations
  - Investigating mine accidents, complaints, criminal violations, petitions for modification of mandatory safety standards.
  - Assessing and collecting civil monetary penalties for violations of safety and health standards.
  - Approval of mining plans and training plans.
MNM Mining Industry

• Over 12,000 MNM Mining Operations Nationwide
  • 87 Various Commodities

• 10,000+ Aggregate Operations Nationwide
  – 9,754 Surface
  – 166 Facilities
  – 107 Underground

• Top 6 Commodities
  – 6,623 Surface Construction Sand & Gravel Operations
  – 1,857 Surface C&B Limestone
  – 588 Surface C&B Stone
  – 301 Surface C&B Granite
  – 176 Surface C&B Traprock
  – 155 Surface C&B Sandstone
Aggregate Industry Employees
1990 - 2003

- Aggregate Miners
- All MNM Employees

Ave. # of Employees

- 1990: 84,000
- 1991: 86,000
- 1992: 88,000
- 1993: 90,000
- 1994: 92,000
- 1995: 94,000
- 1996: 96,000
- 1997: 98,000
- 1998: 100,000
- 1999: 102,000
- 2000: 104,000

Safety and Health Values

- All MNM Employees

The first priority and concern for the mining industry is the health and safety of its most precious resource, “The Miner”.

- Mining deaths & injuries are at all time lows but appeared to reach a plateau during the 1990’s.
- 1990 – 2000 No significant reduction in fatal accident rate.
Shifting the Paradigm

• Meeting the demands of the 21st century – MSHA shifted it’s focus beyond the traditional enforcement

  – Expanded Compliance Assistance
    • Evaluate the total mine safety program activities
    • Providing Training Materials
    • Sharing Best Practices
      – Stakeholder Best Practices Initiative
    • Accident and Violation Analysis
    • Web Site Assistance
    • Providing Technical Support
    • Incorporate Compliance Assistance in each leg of the Triangle of Success
Triangle of Success

United States Department of Labor
Mine Safety and Health Administration
– Collaboration with Stakeholders
  • Atmosphere of Trust
  • Stakeholders Meetings

– Building Strategic Alliances/Partnerships
  • National Stone, Sand and Gravel Association (NSSGA)
  • Industrial Minerals Association – North America (IMA_NA)
  • American Society of Safety Engineers (ASSE)
  • National Safety Council (NSC)
  • International Union of Operating Engineers (IUOE)

– Development of the Small Mines Office

– Outreach Programs

– State Grants Program
Metal & Nonmetal Industry has made Significant Progress in Reducing Fatal Accidents during the last 4 Years.

- 2000 – 47 Fatal Accidents
- 2002 – 42 Fatal Accidents
- 2003 – 26 Fatal Accidents – MNM Industry Breaks Previous Record for Lowest Fatal Accidents in a Calendar Year
MSHA’S CLASSIFICATION FOR ACCIDENTS, INJURIES, AND CALCULATION OF INCIDENCE RATES

ACCIDENT CLASSIFICATIONS

- 01 – Fatal Accident
- 02 – Permanent Total or Permanent Partial Disability
- 03 – Days away from work only
- 04 – Days away from work & restricted duty
- 05 – Days restricted activity only
- 06 – No days away from work, not restricted activity
- 07 – Occupational illness not deg. 1-6
- 08 – Injuries due to natural causes
- 09 – Injuries involving non-employees
- 10 – All other cases
Calculation of Incidence Rates

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IR = \frac{\text{Number of Incidents} \times 200,000 \text{ Hours}}{\text{Number of Employee Exposure Hours}}
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MNM Fatal Incidence Rates

Aggregate Industry Fatal Incidence Rate

Safety and Health Values

MSHA will continue to address new initiatives and prerogatives as we move forward into the 21st Century to Achieve the Ultimate Goal ......