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Incident Classification Matrix A New AFPM Statistics Effort

Goals & Objective :

1. A voluntary AFPM program that seeks to further reduce injuries & fatalities by identifying industry-wide improvement opportunities through the collection and analysis of AFPM member company's actual incident data and near misses with high potential.
2. And, to provide insights, recommendations, and resources to address and help prevent future incidents and near misses.

Overview:

The AFPM Safety & Health Committee has identified a need for a data collection method that goes beyond traditional Total Recordable Incident Rate (TRIR) and OSHA 300 data. This Matrix categorizes actual incidents, as well as near miss with high potential incidents to identify and target a specific opportunity for improvement that is applicable across the industry.

During the pilot stage, the Incident Classification Matrix collected data from calendar years '16 and '17 from over 14-member companies (~85% refining capacity). The piloted program resulted in a blinded, aggregated report that helped identify several opportunities for improvement around dropped objects, energy isolation, and vehicle incidence.

The above topics are then fed into discussions at the Occupational Regional Network meetings and development of Practice share documents to assist industry in improving their own internal practices.

Next Steps:

- a. Gain support for AFPM Committees to expand Pilot starting in January 2019 collecting CY 2018 data
- b. Provide education forums such as webinars.
- c. Incorporate the concept into AFPM Distinguished Safety Award Application to aide in industry adoption
- d. Develop industry benchmarking reports from data

Collection Process:

Members delivers:

Using the Matrix, participants provide data on high consequence actual incidents – Tier 1a, high consequence near misses – Tier1p, and low consequence actual incidents Tier 2.

AFPM delivers:

Results & Insights: blinded benchmarked industry trends based on the aggregated data that goes beyond traditional OSHA 300 data.

Recommendations and Resources: Identifying and make recommendations on developing tools based on opportunities for improvement.

Pilot Results & Resources:

Due to these results, AFPM has begun working on a suite of Practice Sharing documents for Dropped Objects/Fall prevention, as well as Struck by/Caught by/ Equipment Practice Sharing documents that focus on spotter hand signals and proximity detection technology.

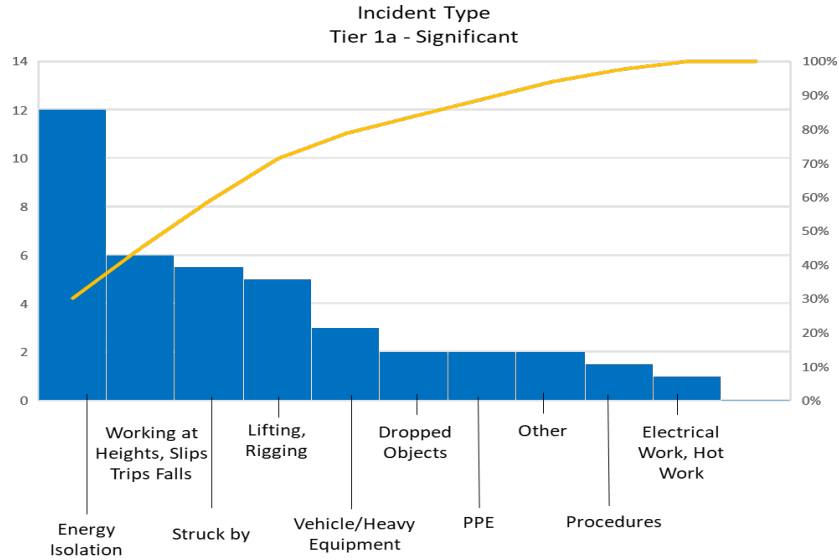


Figure 1. Actual Significant Incidences, 2017 data

Figure 1 shows the aggregated data from the 12 participating members during the 2017 trial, while Figure 2 shows the “High Potential – Near Miss” incidence.

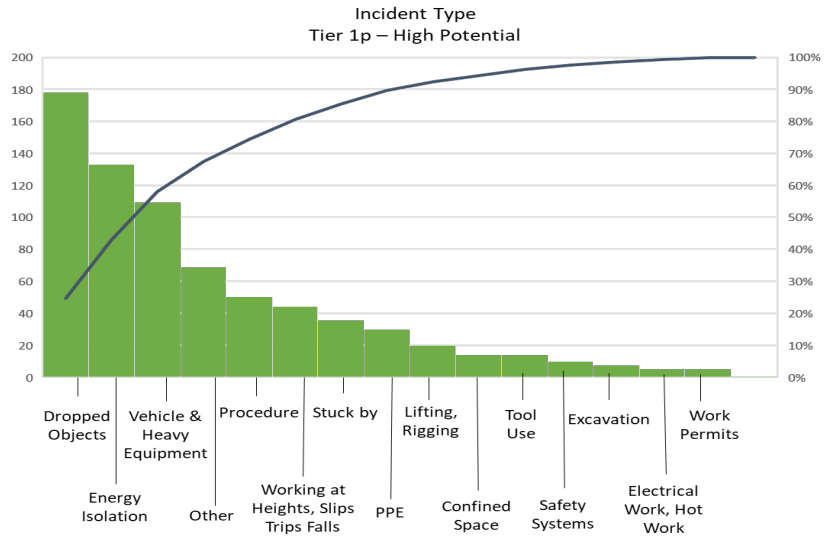


Figure 2. High Potential - Near Miss Incidences; 2017 data