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Specialty Minerals, Inc.
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VISUAL WORKPLACE

For over fifty-years at our plant, over half of the workforce had to walk along the edge of the busy entrance road from the employee parking lot to their jobs.
With approval from the railroad, we installed a crossing and added a paved path for foot traffic away from truck traffic.
VISUAL WORKPLACE

Chains, handrails, pedestrian doors, swing gates and over 2,500 feet of lined pedestrian pathway was installed to protect workers from mobile equipment in heavily traveled routes.
A very serious near-miss occurred when a forklift ran into another forklift which backed out from between two rows of pallets.

A bright, highly visible LED light was installed in place of the white back-up light. The bright light indicates when a forklift is in reverse.
POKA-YOKE

Poka-Yoke is LEAN tool which comes from a Japanese term meaning “error proofing” or to make “failsafe.”

Production workers were required to travel through one of our Mill Buildings to use the stairs to report for work every day.
The following $50 STOP Cards were chosen by the Safety Steering Committee for July, 2016 from a total of 72 cards.

7/6/16 Stopped outside contractor grinding on pipe outside Granules building. Problem was he was not wearing his face shield. He said it won't happen again.

7/18/16 The pallet inverter is in a very dangerous spot. It is in a high traffic area and the controls are against the wall forcing you to be in the way of moving parts when operating it. We need to come up with a safe solution.

7/28/16 While situating the Big Drill over my next hole, I noticed that my control panel was brightly lit down inside. As I took a closer look, it appeared to be a wire on fire. I shut the drill down promptly and went outside to get the extinguisher when I returned, the fire had burned itself out. After making sure the fire was out, I notified Don Reisig and MES.

7/28/16 The East End of our North Dock is the narrowest location on the front dock. There is a parking spot for a truck as well as the ladder for Ranger 8. All too often, they load vans and have a portable ramp (which is commonly left there after loading), there which further restricts this area. Truck loading also takes place. It is an opinion that these three issues could lead to more than a near miss. I believe we should look at eliminating the parking spot on the East end of the North dock, curtail the use of the mobile ramp on the front dock and stop the loading of flat-beds in the same area. A possible solution to this would be to re-establish the loading dock that was on the East end of the Pebble Mill warehouse. Vans or flat-beds could then be loaded in this area reducing potential forklift conflicts with OTR trucks and minimize tramming material to another location to load.
NRTR: Non-Routine Task Review

**MTI JOB PLAN and NON-Routine TASK REVIEW**

**Safety - STOP** to review safety BEFORE starting a job that does not have Standard Work

<table>
<thead>
<tr>
<th>Date</th>
<th>Job Site</th>
<th>Names of Participants</th>
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**Analysis of Situation**

**Situation Awareness - Focus on your surroundings**

- Ready to perform the job safely?
- Is either work being conducted nearby?
- Application of balance, tension or grip?
- Placement in the line of fire?
- Is there time to complete this job on this shift?
- Has job carried over from previous shift been coordinated?

**These situations can lead to injuries or loss.**

**Formulate the Plan (A clear picture of the steps to do the job and the hazards involved)**

<table>
<thead>
<tr>
<th>Is there a DA available?</th>
<th>If so, use it and add as needed</th>
<th>What individuals or departments need to be notified?</th>
<th>Is there a need to interact with subject experts, contractors, etc.?</th>
<th>Are US work permits needed? (persons who have been classified, locations, dates, etc.)</th>
<th>Any testing requirements?</th>
<th>Staging if lifting, bending involved?</th>
<th>Significant steps to complete task (be specific)</th>
<th>Possible risk with step (what could go wrong?)</th>
<th>Protective measure to taken to reduce risk</th>
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**Quick Risk Assessment**

<table>
<thead>
<tr>
<th>Frequency of Task</th>
<th>Likelihood of Injury</th>
<th>Severity of Injury</th>
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<tbody>
<tr>
<td>1-hour mission</td>
<td>1-time every few days</td>
<td>1-hour mission</td>
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<td></td>
<td>1-hour every month</td>
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<td>1-time every day</td>
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<td>1-time every year</td>
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**Rating:**

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**Total (Multiplied):**
Safety Alert


Incident Description: A Production temporary worker was operating the packcenter pallet flipper when he was nearly struck by the device.

Causal Factors:
• The pallet flipper structure had been turned 90 degrees so the electrical disconnect mounted on the back side of the flipper frame would be accessible and not against the wall.
• This placed the start controls that were attached to the protective handrail against the wall.
• The start controls had to be accessed from inside the structure perimeter which placed workers in close proximity to the pallet flipper.

Root Cause:
• Start controls were placed against the wall without recognizing the hazard that existed.

Corrective Actions:
• The start control button was placed on the opposite handrail where it could be safely accessed outside the danger perimeter.
• This is a temporary measure until the electrical disconnect can be moved and the pallet flipper returned to its original position.