COAA Safety Workshop
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OBJECTIVES

• Outline the components of our craft led safety program
• Discuss how we implemented the program
• Challenges
• Q & A
COMPONENTS OF CRAFT LED SAFETY

• SOS program
• Craft Safety Advisors (CSA)
• Craft Voice in Safety (CVIS)
• Craft Lead Training/Orientations
• Mining the Diamond
• Mentoring
• Detailed Execution Planning
• Management Commitment and Support
SAFETY OBSERVATION SYSTEM (SOS)

- Allows all employees to participate
- Hazard Recognition / Intervention
- Source of leading indicator data
LEADING INDICATOR DASHBOARD

Diamond Observations
KFTT

Percentage of Diamond Observations
- % of Diamond Observations Over Total At Risk Cards
- % of Diamond Observations Over Total SOS Cards

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human - Equipment Interface</td>
<td>22</td>
</tr>
<tr>
<td>Access / Egress</td>
<td>78</td>
</tr>
<tr>
<td>Energy Isolation / LOTO / Stored Energy</td>
<td>9</td>
</tr>
<tr>
<td>Material Handling</td>
<td>7</td>
</tr>
<tr>
<td>Working at Heights / Dropped Objects</td>
<td>5</td>
</tr>
<tr>
<td>Improper Hoisting / Rigging</td>
<td>10</td>
</tr>
<tr>
<td>Fit for Duty</td>
<td>1</td>
</tr>
<tr>
<td>TOTAL DIAMOND SOS</td>
<td>132</td>
</tr>
<tr>
<td>TOTAL SOS</td>
<td>933</td>
</tr>
<tr>
<td>TOTAL AT RISK SOS</td>
<td>445</td>
</tr>
</tbody>
</table>

% of Diamond Observations Over Total At Risk Cards: 30%
Total Diamond Interventions: 132
LEADING INDICATORS

Observations: Safe vs At Risk (Week Ending November 21, 2015)
CRAFT SAFETY ADVISORS (CSAs)

- Full time in field as part of safety department (not on tools)
- Experienced trades professional (safety designation not required)
- Promote safety awareness
- Perform orientations and training
CRAFT VOICE IN SAFETY (CVIS)

- Full time on tools
- Voice craft concerns to management
- Mentors to employees
- Bridge gap between management and craft
MINING THE DIAMOND

• Focusing on the potential outcome of safety observations or an incident regardless of the actual outcome

• Overreact to things before an injury occurs

• Categories inside this program are based on CVIS input, SOS card data, and lagging indicators
MINING THE DIAMOND

• One of Kiewit’s first diamond near misses

• A subcontractor self reported dropping an insulation knife 40ft. The knife landed 12 feet away from a co-worker

• What normally would have been a regular near miss was treated as a big deal

• The extra attention to this incident identified:
  • Wrong knife was used
  • The knife was not tied off
  • No red tape used
  • The plan for this operation did not address hazards and mitigations
CLIENT INVOLVEMENT

• Program Alignment
• One team / One Message
• Active Participation
CHALLENGES

• Observations cards vs “rat” cards

• CVIS does not discuss labor management issues or logistics (bussing, flights, camps, etc)

• CVIS does not discuss non safety related disciplinary or personnel matters

• Be selective who joins CVIS, however, do not limit who is part of CVIS – chances are your best workers are also the best CVIS members

• Management to support but not lead or take over

• Too many or incorrect diamond categories

• Selecting the right mentors

• Getting crew involved with planning
QUESTIONS?