



Secrets to Maintaining Zero Accidents in a High Activity Rolling Stock Environment

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Rolling Stock Uses at AMWTP

- Multiple process lines
- Multiple process facilities
- Variety of waste container types
- Limited waste storage space
- Dense pack storage



Spotter assists forklift operator in removing a waste container from fifth level of dense pack storage



AMWTP Rolling Stock Facts

- Over 50,000 waste containers in process, stored in dense pack storage
- 180+ qualified forklift operators
- 43 dedicated waste handling operators spanning four shifts, operating seven days/week, 18 hours/day
- Average of 933 waste container moves each day
- 337,975 waste container moves in past 12 months
- Each waste container move has at least two opportunities for error



Rows of waste containers in dense pack configuration. Each row contains 432 drums



Rolling Stock Events

In August 2007, AMWTP experienced an unacceptable level of Rolling Stock events



Waste drum tipped off of floor scale





Secrets to Maintaining Zero Accidents in a High Activity Rolling Stock Environment

- Through application of ISMS
 - Provide feedback and continuous improvement
 - Employee involvement
- AMWTP has improved the safety of Rolling Stock activities significantly



A truck delivering waste containers for processing





Secrets to Maintaining Zero Accidents in a High Activity Rolling Stock Environment (Cont'd.)

- Actions taken to reduce rolling stock events
 - An employee chaired, Rolling Stock Safety Committee formed
 - Staffed by Rolling Stock operators
 - Engaged employees in identifying improvements



Spotter utilizing a rolling stair ladder to gain best view of drum handler engagement



Rolling Stock Safety Committee

“I have been a member of the Rolling Stock Safety Committee since its inception and a unit chair of the Employee Safety and Improvement Team. It is very rewarding to see your input and ideas put into action to improve the safety of our work force. I have witnessed first hand the improvements in rolling stock safety directly related to these two employee action groups.”
-Barry Dunn, Operator, Employee Safety and Improvement Team Unit Chair, Rolling Stock Safety Committee member.



Floor marking and bumpers for preventing contact between trailers backed into roll-in/roll-out TRUPACT loading docks

- Rolling Stock Safety Committee
 - Has completed over 60 actions to improve the environment for Rolling Stock operations





Rolling Stock Safety Committee Employee Driven Improvements



Light weight Trailer rails



Old Forklift



New mast style offers increased operator visibility



New Operator selected forklift



Permanently mounted trailers



Rolling Stock Rodeo

“Over the past year, the Rolling Stock Safety Committee has worked wonders for all of the operations at AMWTP. Our equipment has improved to what the operators want. This makes it safer and more comfortable to get the job done.” –Jared Kelly, Operator/Committee Member



2008
Champion



Tractor/Trailer scramble



Forklift “Hoops”



2008 AMWTP Rolling Stock
Safety Rodeo

Plant manager cooks
lunch



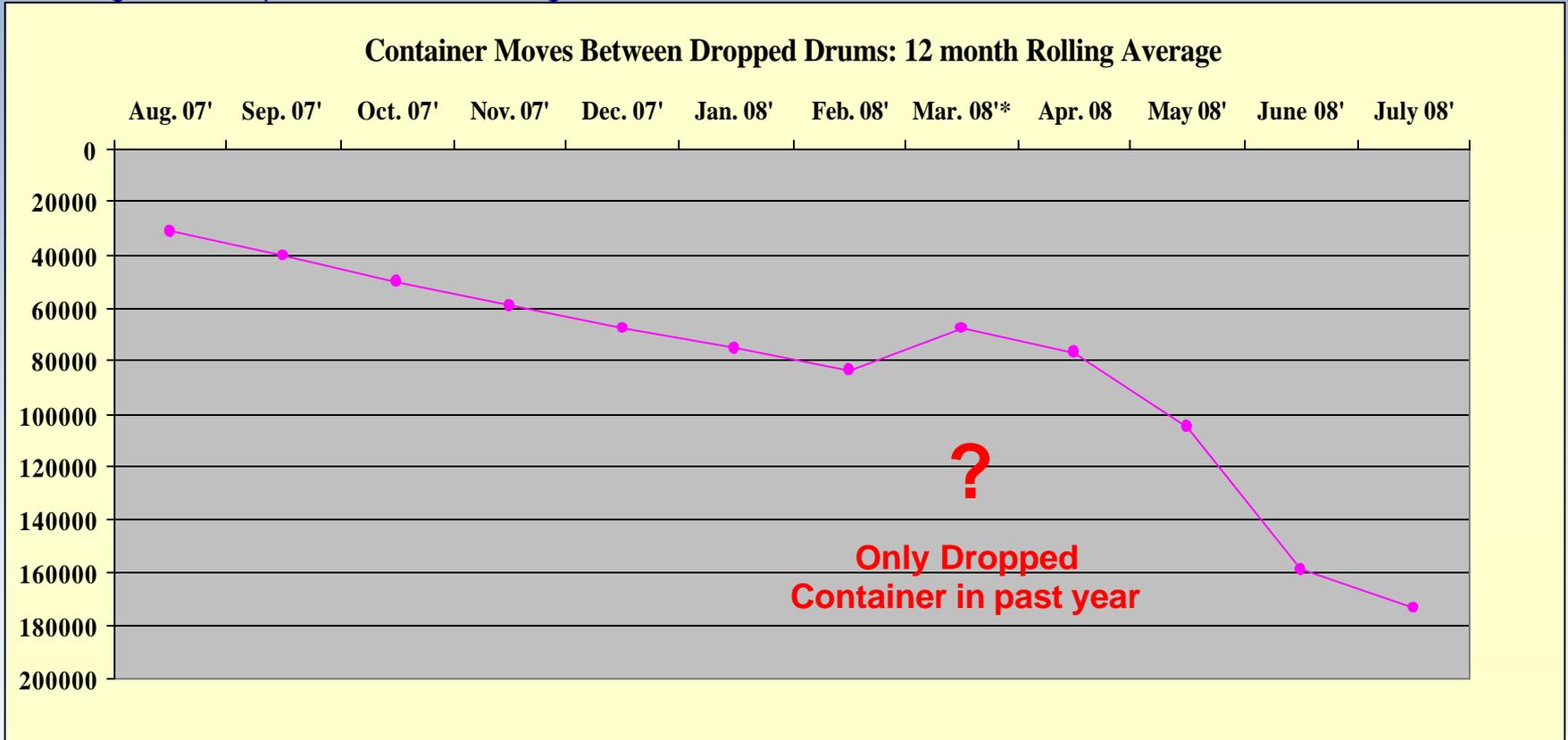
Water Slalom





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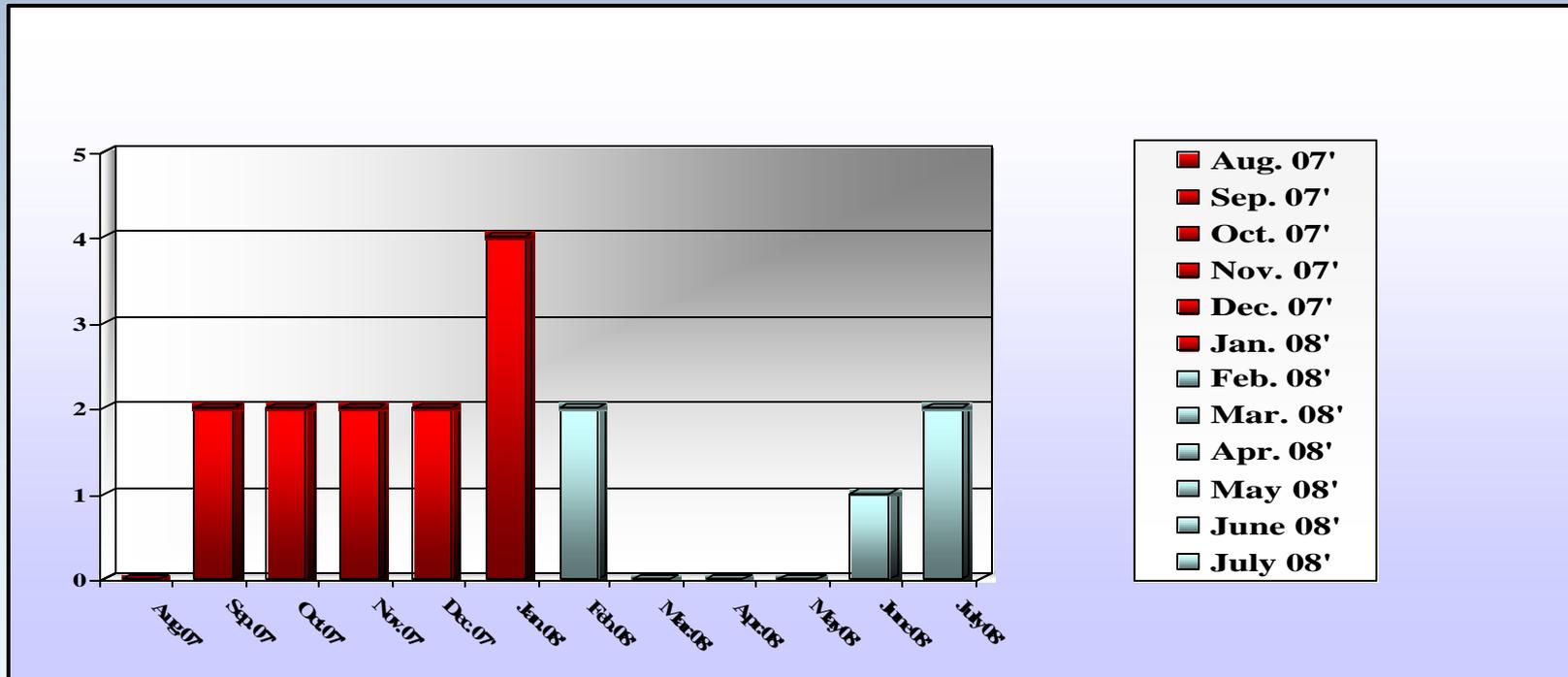
AMWTP defines a dropped drum as the unintentional release of a waste container from a forklift/drum handler when the container falls greater than one foot
During 12-month period, AMWTP averaged 29,000 manual container moves each month.





Rolling Stock Incidents by Month

*AMWTP defines a rolling stock incident/event as ANY unintentional contact between Rolling Stock and facilities/equipment.





Rolling Stock Safety Committee

“I have seen the Rolling Stock Committee program have a strong effect on my crew. I see Operators give and share their ideas on safety improvements freely. The crew shows ownership not only in the program, but they truly believe they can and are making a difference” –Lawrence Clark, shift supervisor

- There is no secret
- Employees understand the issues
- Employees often know the solutions
- Employee ownership is key
- Managers must support and be accountable to the committee
- Successful employee involvement has exponential results



Shorter wheel base forklift operating within a 14 ft wide area