

# HSE in the Wine Industry

*September 2012*



TREASURY  
WINE ESTATES





# GREEN CARS

You're doing it wrong.





# CAR POOLING

You're doing it wrong....



# Outline

- Who is Treasury Wine Estates (TWE)
- Wine Industry Hazard Overview
- HSE Management @ TWE
- HSE Focus Areas Going Forward
- Questions





# Treasury Wine Estates

- Production facilities in Australia, New Zealand, Italy and the USA
  - Global Vineyard Footprint 27,000 acres
  - 33 Million cases of wine annually, over 50 brands
  - Net Sales Revenue \$1.8 billion
  - 3500 employees globally
  - Oldest winery established in 1840 – Penfolds in Australia
  - Oldest Winery in USA – Beringer 1876
- US Footprint - 7 Wineries, 1 bottling center, 6000 Acres Vineyards, 1100 employees*



# Winery - Crush Pad



# Winery - Barrels





# Winery - Hoses







# Winery - Chemicals



# Winery – Forklifts / Traffic Management



# Winery – Poorly Ventilated & Confined Spaces





# Vineyard – manual handling



# Vineyard – Mobile Plant



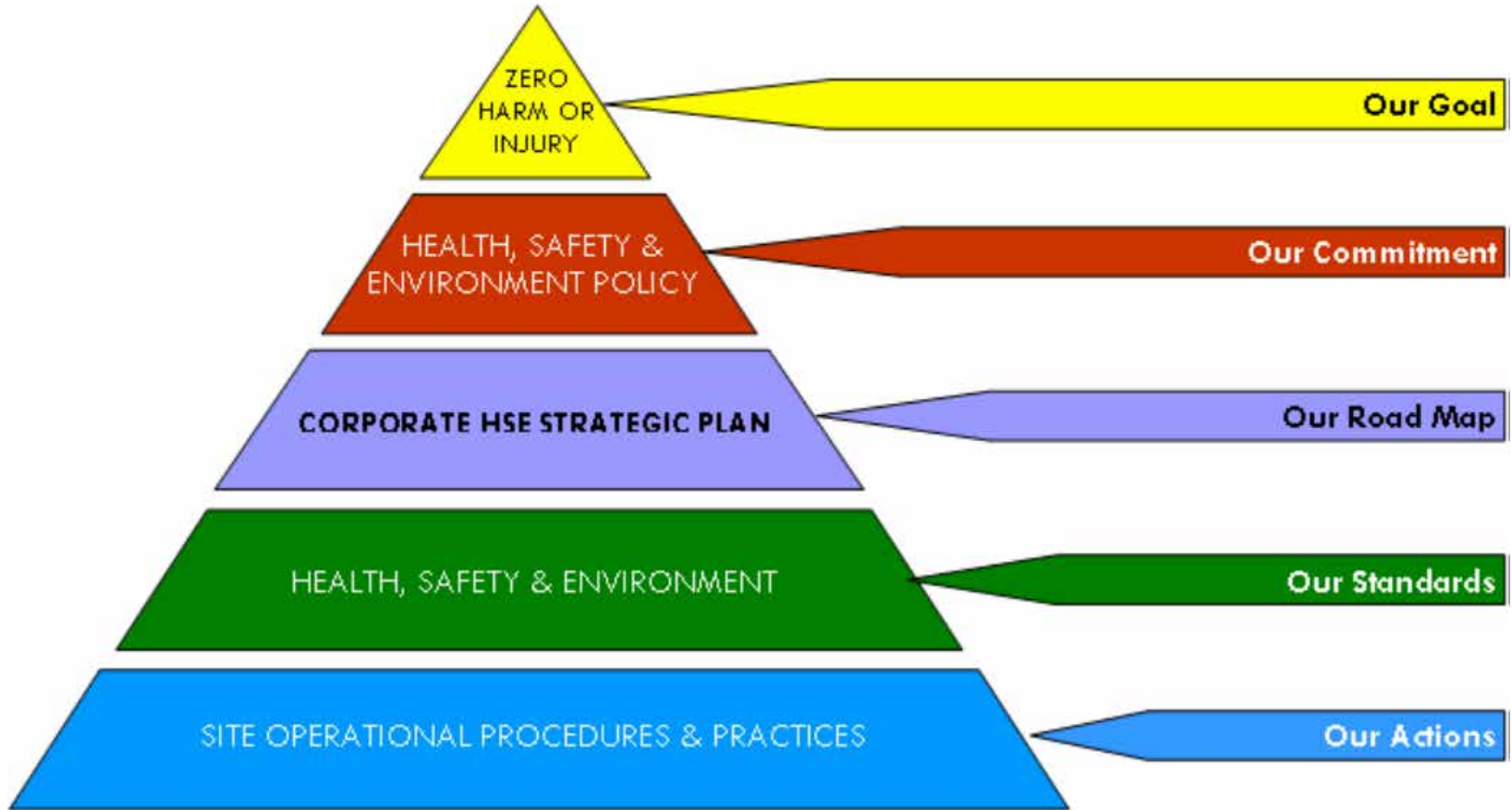


# Vineyard – Critters!





# TWE – HSE Framework



# 17 HSE standards & features

- HSE System Management
- Regulatory Compliance
- Training
- Risk Management
- Change Management
- Contractor Management
- Permit Controlled Work
- Incident Reporting & Analysis
- Emergency Response
- Employee Health
- Workplace Safety
- Equipment Management
- Chemical Management
- Environmental Management
- Community & Government Relations
- HSE System Evaluation
- Injury Management
- Globally consistent standards
- Standardized Corporate Forms
- Standardized training packages
- All site records filed by standard
- Independent Audit Annually
- 750 questions – 2 days
- 30% reduction on gap to 100%
- *Result impacts bonuses*





# Measuring Success

- Recordable Case Injury Frequency Rate (RCIFR)
- Lost Time Injury Severity Rate (LTISR)
- Training Efficiency (Scheduled vs Actual)
- Corrective Action Close Out
- Near Miss Ratio
- Gals water / gallon of wine processed
- Kilojoules of energy / gallon of wine processed





# Gains

- RCIFR – 16% reduction this year
- LTISR – 25% reduction this year
- Workers compensation premium – Decreased by approximately \$3 million
- Water Use – 20% reduction over 4 years
- Energy Use – 20% reduction over 4 years
- Waste management – 50% decrease in waste to landfill
- All company owned and leased vineyards / wineries are 3<sup>rd</sup> party certified



# US - Sustainability Key Focus Points

## Manage Governance

- Ensure Compliance
- Analyze Footprint & Usage

## Improve Efficiency

- Water & Energy – 30% reduction over the next 3 years

## Maximise Value

- 3<sup>rd</sup> Party Sustainability Accreditation
- Communication strategy



# US - Safety Key Focus Points

## Manage Significant Hazards

- Ammonia
- Traffic Management
- Electrical Safety

## Reduce Incident Frequency

- Hazard & Incident/near miss reporting
- Corrective Action Close Out
- Redesign our training

## Engage Employees

- Health & Wellbeing Program rollout
- Integrate Hospitality & Sales
- Cross function internal verifications



# Notable Sustainability Quotes



*"Whisky is for drinking, water is for fighting over"*

**- Mark Twain**

*"It isn't pollution that's harming the environment. It's the impurities in our air and water that are doing it."*

**- Dan Quayle, former US vice president**

*"We've got to pause and ask ourselves: How much clean air do we need?"*

**- Lee Iacocca, CEO/Chairman, Chrysler Corporation, 1979-1992**

*"For 200 years we've been conquering nature. Now we're beating it to death."*

**— Tom McMillan**



# Questions???

