

EASTMAN

ZERO
INCIDENT MINDSET

Why Metrics Matter

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“If you can not measure it, you can not improve it”

Lord Kelvin



- ***Zero-Incident Mindset*** is a wholistic approach that strives for a culture where all incidents are preventable.
- The Zero Incident Mindset embraces all of our values:
 - Safety & wellness
 - Inclusion & diversity
 - Ethics & integrity
 - Sustainability



- Drives company approach to metrics.

Personal Safety Metrics – Beyond OSHA-R

■ *OSHA required:*

- Recordable injuries/illnesses
- Days away

Prevention through work systems aimed at minimizing risk of personal injury or illness.

■ *Beyond:*

- Serious Injuries and Fatalities (SIFs)
- Potential SIFs (P-SIFs)

Personal Safety Metrics – Beyond OSHA-R

- **SIF:** Work-related incident that results in a life-altering injury, illness, or death.
 - Life-altering is defined as permanent or long-term impairment or loss of use of an internal organ, body function, or body part
- **P-SIF:** Work-related incident that could have likely resulted in a life altering injury, illness or death or an incident which involved a lapse in a Life Critical Process.
 - Includes Near Misses

Personal Safety Metrics – Beyond OSHA-R

- All work-related SIF / P-SIF incidents must be formally investigated.
- An incident one pager shall be created for all work-related SIF investigations.
- Incident one pagers are optional, at site management's discretion, for P-SIF investigations.

Personal Safety Metrics – Beyond OSHA-R

- One pagers reviewed at the executive level.
- One pagers available on intranet.
- ACC developed SIF/P-SIF metric that Eastman will be sharing this year.

Process Safety

- Prevention and mitigation of fires, explosion, and accidental releases.
- A Process Safety Incident occurs **anytime** there is an **unplanned** or **uncontrolled** release of material from **primary** containment.

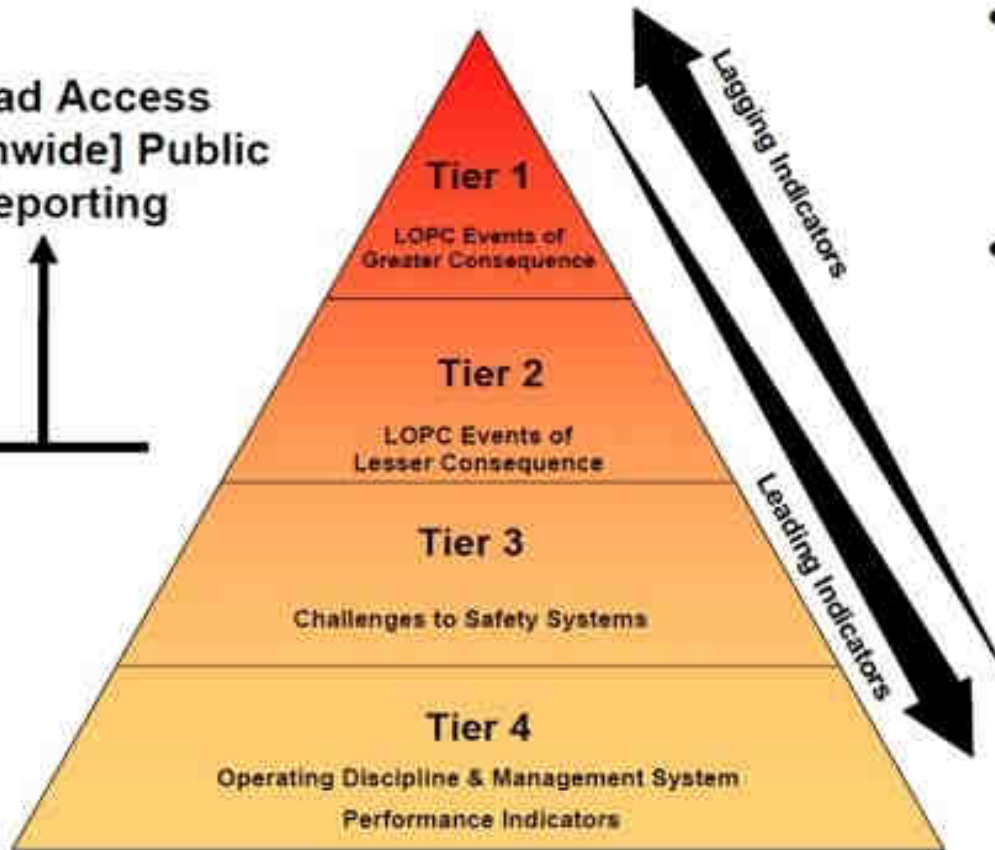
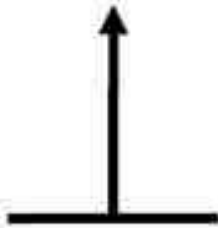
“Keeping it in the Pipes”

Process Safety Metrics

- API Recommended Practice 754 is industry standard
 - **Tier 1** - Loss of Primary Containment Event of Greater Consequence
 - **Tier 2** – Loss of Primary Containment Event of Lesser Consequence
 - **Tier 3** – Challenges to Safety Systems
 - **Tier 4** – Operating Discipline and Management System Performance Indicators

Process Safety Indicator Pyramid

**Broad Access
[Nationwide] Public
Reporting**



- Tiers 1 & 2 are RP-754 standardized definitions
- Tiers 3 & 4 are company defined performance indicators

Process Safety Metrics

- By reviewing lower-tier process safety events, we can proactively mitigate risk of higher-tier events.
- Tier 1 and 2 information reported to:
 - American Chemistry Council
 - American Fuel and Petrochemical Manufacturers
- Process safety incident rate reported in Eastman Sustainability Report, along with other safety metrics.

Additional Information Sharing

- Television screens throughout plants display information related to safety incidents.
- IShare Reporting and Tracking Database – Available to all employees.
 - Reporting of incidents
 - Incident investigation
 - Root causes
 - Corrective measures
- Company intranet displays OSHA-R, SIFs/P-SIFS, process safety events, and other metrics.

Questions?

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