



**HEALTH, SAFETY,
& ENVIRONMENTAL**



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Hazard Recognition Prevents Potential Loss of Containment

During surface preparation activities on piping, at an offshore customer asset, a blaster/painter was conducting a pre-job inspection of the work area when he observed severe corrosion on the pipe surface. Instead of treating the condition as normal and proceeding with the job, the employee stopped work and notified supervision. An inspection by the Mechanical Integrity (MI) group determined that the pipe had experienced more than 60% wall loss within the area of concern (AOC). Based on the findings, a decision was made to replace the pipe before failure could occur. Had the employee continued with surface preparation activities without reporting the condition, the damaged pipe could have failed, potentially resulting in a Loss of Primary Containment (LOPC), personnel exposure, equipment damage, and operational disruptions.

What Went Right:

- The employee remained alert and recognized an abnormal condition before starting work.
- Stop Work Authority was used when something didn't look right.
- The AOC was immediately communicated to supervision.
- MI personnel were engaged to evaluate the condition.
- Corrective action was taken before the piping could fail.

Potential Consequences:

This hazard had the potential to result in:

- LOPC
- Release of hydrocarbons or process fluids
- Personnel exposure to hazardous substances
- Equipment damage and unplanned downtime



LIFE Principles in Action:

LOOK

- Take time to inspect equipment and work areas before beginning any task.
- Watch for signs of corrosion, pitting, cracking, leaks, or other deterioration.

INTERVENE

- Stop work when conditions are different than expected.
- Speak up and report concerns immediately.

FACILITATE

- Engage the right people and subject matter experts to assess hazards and determine next steps.

ELIMINATE

- Address unsafe conditions before work begins.
- Replace or repair damaged equipment before it becomes an incident.

Key Takeaway:

Routine work can still uncover serious hazards. In this case, an employee took the time to inspect the work area, recognized an unsafe condition, and used Stop Work Authority to prevent a potential loss of containment event. Taking a few extra moments to verify conditions before starting work can make the difference between a safe job and a serious incident.

If something doesn't look right, stop the job and report it. Hazard recognition and intervention protect people, the environment and safeguard our operations.

One Observation. One Conversation. One decision to stop and verify. That's all it took to prevent a potential loss of containment event. Never walk past a hazard!

Proper use of the **GIS LIFE Processes** can help to create a **FAIL-SAFE** Work Environment

SAFETY ALERT

