

## TURNAROUNDS & MAJORS

# URSA MAJOR INCIDENT COMMUNICATION

Employee fell into a 3ft boot inside C-4 vessel



### What happened?

- While installing demister pads in plant 7-1 C4 vessel, Employee walked to the rear of the drum and fell into unmarked open hole 3' deep.

### Why did it Happen? (5-Whys)

- **Unclear or incomplete instructions between others (Supervisors, contractors, clients, etc.)** - Jacobs foreman asked scaffolders to remove scaffold for inspection of the boot by client QA. In doing so they left an open hole / leading edge hazard.
- **Inadequate evaluation of change in work scope / plans** - The foreman did not recheck the working areas for their personnel before assigning them work. In this case the foreman assumed the barricade was replaced.
- **Inadequate illumination** - The work face was well lit, however the rest of the vessel had poor lighting.

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- **SPA did not address all hazards associated with the task** - Open hole was not assessed on the SPA.
- **Lack of evaluation of hazards or mitigation options** - No mitigations were put in place for the open hole, as it was not discovered during the hazard assessment.

#### **Steps to prevent a Re-occurrence**

- Ensure that all open holes and leading edges are properly barricaded.
- Set up work areas with proper lighting.
- Coach workers on hazard identification and mitigation options.

#### **Key Learning(s) for Other Areas**

- The SPA did not adequately identify the task steps and hazards associated with the job. Workers need to be coached and mentored in hazard assessment, elimination and control.
- Supervision failed to verify the work area was safe prior to sending the workers back to the area. Foreman need to inspect work areas prior to accepting work and sending out the workers.
- Increased field presence by supervision combined with additional coaching in hazard assessment is required. Continual compliance monitoring will ensure that any deficiencies can be addressed before an incident occurs.
- Scaffolders need to ensure that open hole / leading edges are adequately protected before leaving the area.