



FUELS INDUSTRY
Association of South Africa

LEARNING FROM INCIDENT (LFI): Struck Against (HiPo cohort Artisan Apprentices)

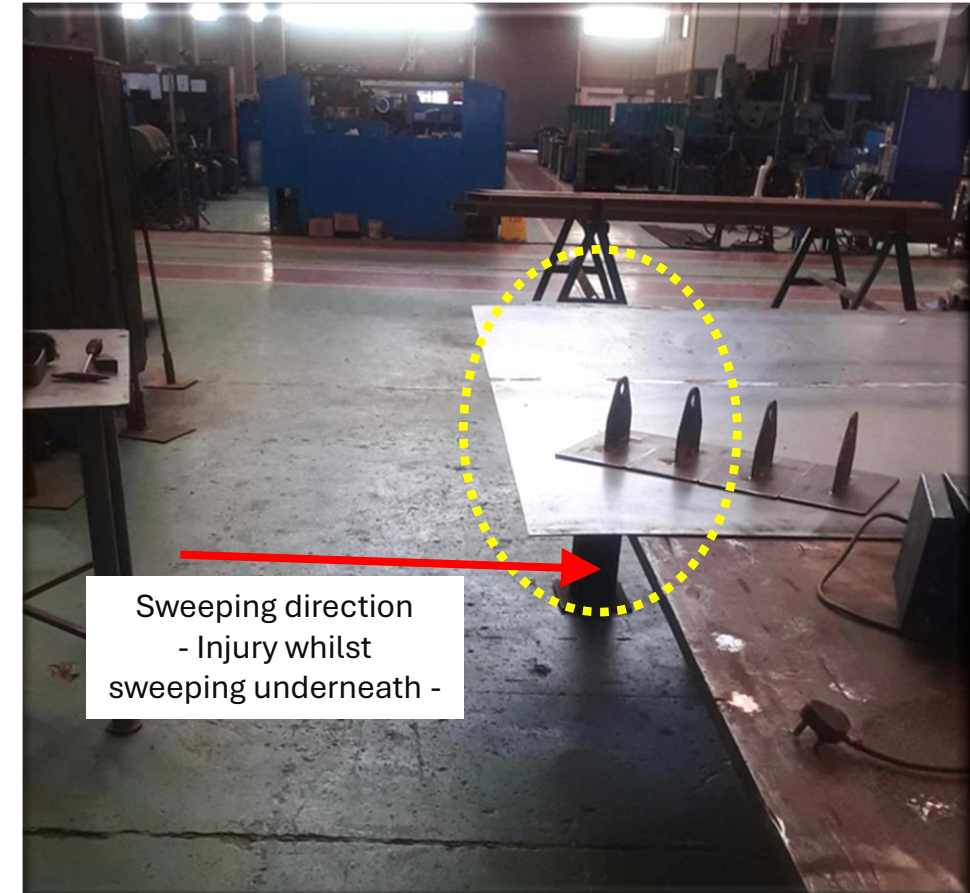
2024



INCIDENT DESCRIPTION

Struck Against Stationary Object:

- Boilermaker apprentice sweeping the workshop floor (daily housekeeping) around the large workbench used for welding metal plates of coffer dam together.
- *Welded plate dimensions larger than bench' longest side – thus a hazard for consideration when sweeping the floor.*
- Whilst sweeping underneath the work bench – and turning the broom to pull the debris backwards - then hit finger against the edge of the metal plate – FAC laceration to the index finger.
- *Injured not wearing safety gloves during this task – but has pair of pigskin gloves close by atop next work bench.*



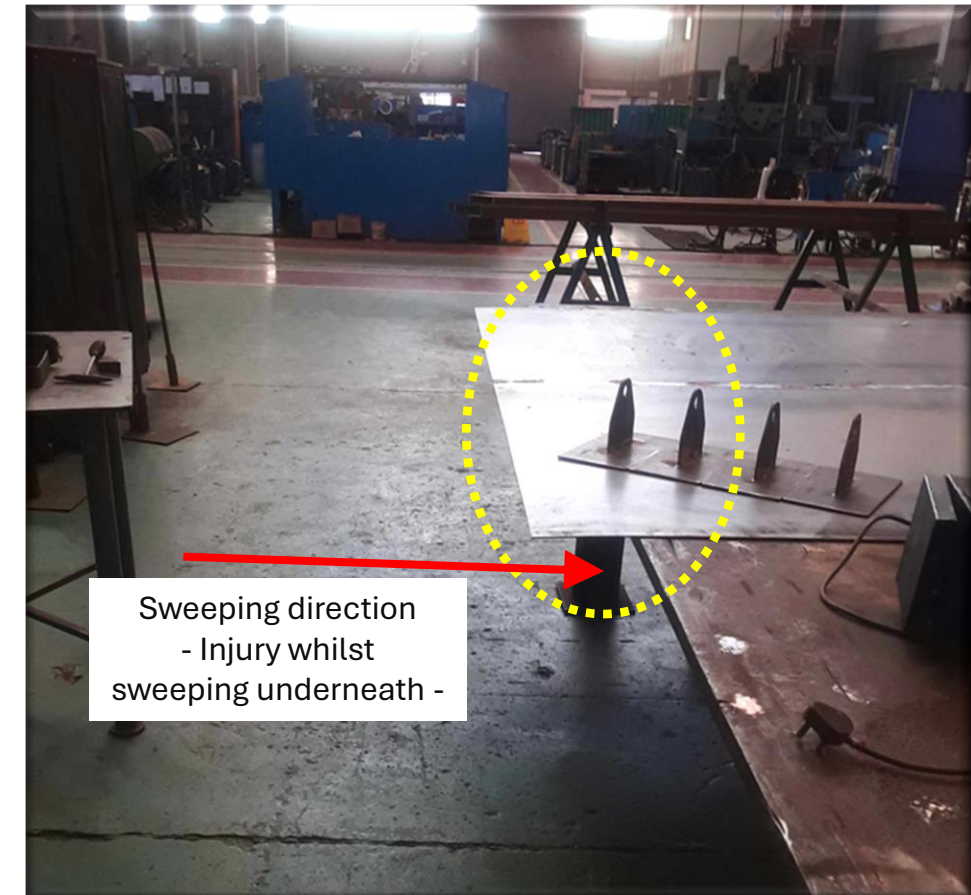
Coffer dam metal plates – welded joints
- plates larger than bench thus protruding edge is hazard -



IMMEDIATE CAUSES

Human Factors: Deviation by individual and Supervisor.

- Violation of PPE rule – PPE requirement within demarcated work area.
- Hazard Identification and Recognition:
 - *protruding edge not effectively recognised as hazard for sweeping at and below the work bench.*
- Not aware of the critical safe behaviour for the task at hand:
 - *Focus not only on the moving broom, but also the hands that are moving broom handle and the surroundings – look out for objects in the way – struck against stationary object hazards.*
- Competency – lack of coaching on skill.



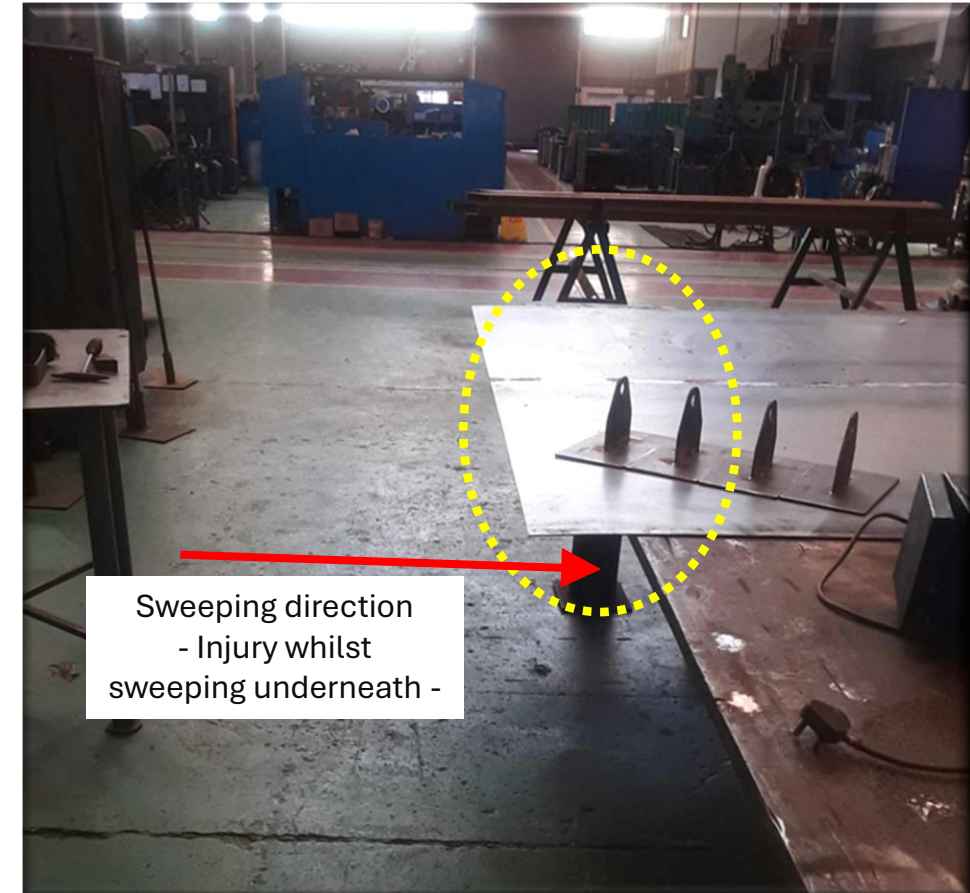
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IMMEDIATE CAUSES

Workplace Factors:

- Inadequate training provision / effort – on the job coaching by Trainer
 - Baseline risk assessment discussion prior to executing a task.
- Inadequate hazard/risk management – Learner Apprentices.
 - *Apprentice Trainers not facilitating the on-the-job training schedule of Apprentices with Supervisors – the Baseline Risk Assessments of tasks in the workshops.*
 - *Inadequate reinforcement of critical safe behaviours.*

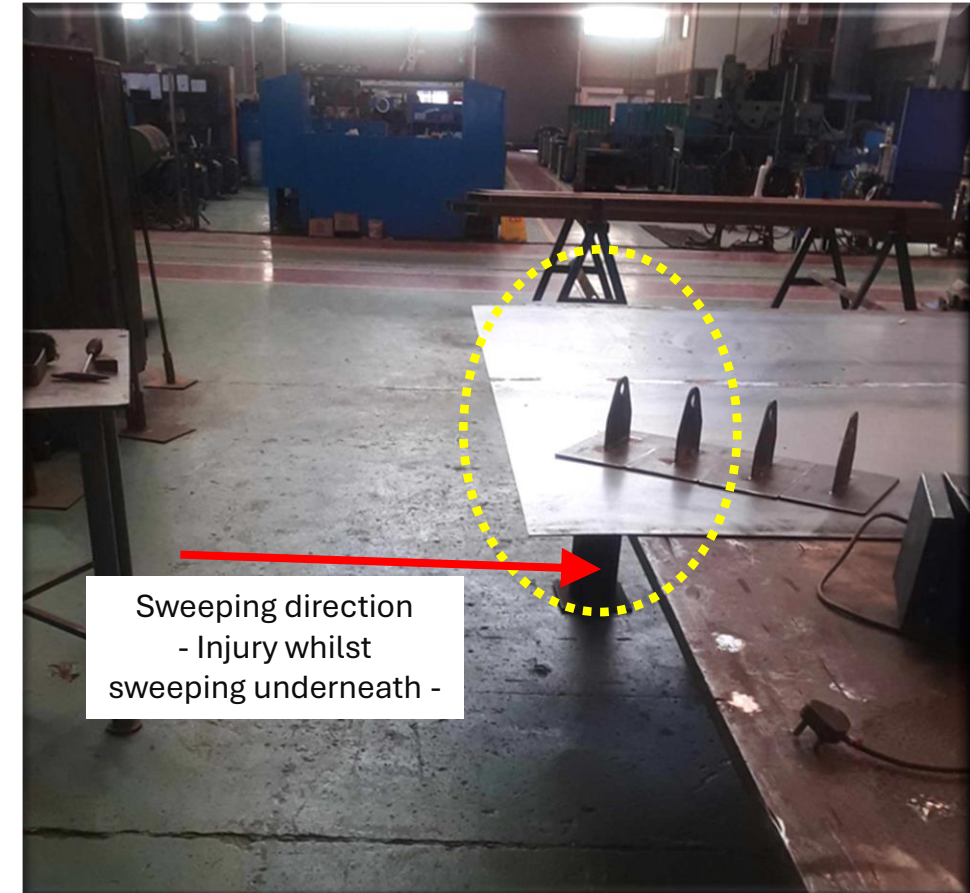


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INCIDENT LEARNINGS

- Learner Apprentices require an on-the-job training plan (i.e. Portfolio of Evidence to meet occupational qualification requirements).
- *Learner Apprentices: first be coached on the practical Baseline Risk Assessment of a particular task by their Trainer at the workshop. Thereafter they may be assigned to perform that task under qualified supervision.*
- Safety Discussion with all Apprentices:
 - Important that all practice the HIRA habit before performing any task: i.e. what are the Hazards/Risks of the task - what can go wrong – what can cause it – what must be done to prevent it.
 - The PPE requirements of a task is mandatory – violation thereof will result in progressive discipline.



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Thank You

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