

FY21-002 Group learning objects dropped from elevated positions



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Objects dropped from elevated positions

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Dropped objects – what not to do

Recall on recent incidents

There has been a increase in incidents relating to objects falling from elevated positions in the organisation. Below are the previous incidents relating to drop objects in the Secunda site.

- **21 June 2021** - A water jetting operator was conducting a cleaning activity when he was struck on his head by a falling scaffold ledger – [RWDC at AIPIC](#)
- **14 October 2020** - While starting a conveyor belt, an unsecured frame (25kg) was dislodged and fell to the ground from a height of +/- 15m – [Incident at Nitro Fertilisers](#)
- **27 August 2020** - While dismantling a 4m scaffold, the 3m upright part of the scaffold fell over and struck the injured on his right ring finger – [LWDC at AIPIC](#)



Objects falling from elevated positions



The risk of **objects falling from elevated positions** remain one of the highest occupational safety risks in Sasol that requires ongoing focused effort and mitigation especially considering recent actual and potential **high severity incidents**.

Objects dropped from heights can lead to serious injuries and damage to equipment.

Taking the right actions to protect people and equipment are vital.

Preventing objects falling from elevated positions



- The **risk management process** identifies the key undesirable event, critical controls and first level assurance necessary to prevent an incident.
- When scoping work that involve working at elevated positions, the relevant **key undesirable event** should be identified to ensure that it is adequately addressed during risk management of activities associated with the work.
- The applicable **critical controls** should be communicated to all persons working at elevated positions.

Preventing objects falling from elevated positions

SHE system verification by management

Senior Manager:

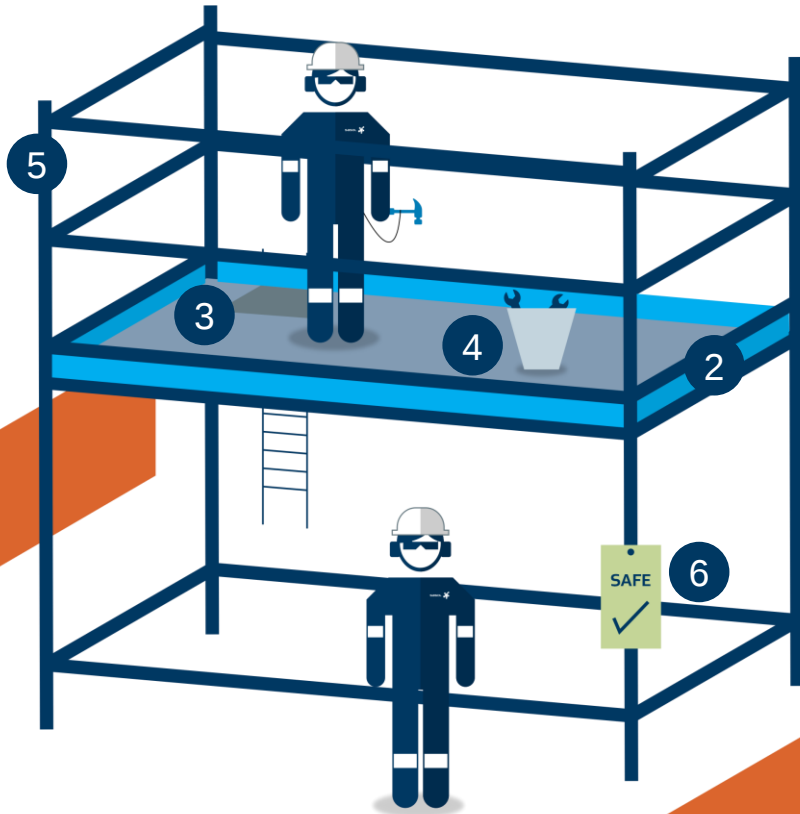
1. Ensure that the following procedures are incorporated into the technical training matrix:
 - SGI-SHE-000029, SHE requirement for artisan lifting practices, lifting machine / equipment and tackle
 - CGI-SHE-000110 Fall protection and prevention
 - SGI-SHE-000078 Safe barricading
 - CGI-SHE 000005 SHE requirements for ladders, stairs, scaffolding, platforms, walkways and gratings and
 - SGI-SHE000091 Pre task and SLAM risk assessment
2. Confirm that first level of assurance is appropriate, planned and executed for persons working at heights and objects falling from heights.

Area Manager:

1. Ensure that the latest revision of the SAS-486 temporary removing of handrails/gratings are utilised if applicable.
2. Ensure that all temporary storage areas at height are safe and approved if applicable.

Foreman:

1. Controls specified on the SAS-486 temporary removing of handrails/gratings are in place.
2. Ensure that all temporary storage areas have a responsible person and contact number.
3. To ensure that relevant equipment such as tool lanyards/fish buckets/tool bags are issued to personnel if applicable.



Verify the following before starting work:

1. Barricading of the drop zone to prevent unauthorised entry into the area below
2. Toe boards protection
3. Positive barricading of leading edges (knee brace and handrails)
4. Good housekeeping practices including the secure placement of objects on the platform
5. Use of buckets and toolbags for tools and equipment (use of lanyards to secure hand tools)
6. Safe working platform approval process (only use scaffolding that has been declared safe by a competent person).

What is going well in Secunda Operations

- Pre task risk assessment has a section that aims at managing equipment at heights to prevent it from falling.
- Scaffolds are erected to include toe boards, knee braces and handrails.
- The SAS486 process is in place to ensure when fixed structures are removed, they are installed safely and correctly again.
- Task risk assessments include controls for working at heights to prevent people and equipment falling from heights.
- Artisan pre lift checklist are in place to assess lifting of equipment to prevent the loss of control over suspended loads.
- Barricading of drop zones as corrective control.



Thank you for your continued focus to prevent injuries relating to objects falling from elevated positions

Institutionalisation of learnings

Learning institutionalisation			When
1	Communicate the learning pack with teams and facilitate discussion.	Area manager: Please upload your attendance register / pledge to complete your action on IMS.	30 July 2021
2	Assess whether and enable that the critical controls are appropriately incorporated into management systems and inspection / assurance documentation and processes.	On IMS add the following once off questions. Senior Manager: - Ensure that the following procedures are incorporated into the technical training matrix. - SGI-SHE-000029, SHE requirement for artisan lifting practices, lifting machine / equipment and tackle. - CGI-SHE-000110 Fall protection and prevention - SGI-SHE-000078 Safe barricading, - CGI-SHE 000005 SHE Requirements for ladders, stairs, scaffolding, platforms, walkways and gratings SHE requirements for working at heights - SGI-SHE000091 Pre task and SLAM risk assessment - Confirm that first level of assurance is appropriate planned and executed for persons working at heights and objects falling from heights. Area Manager: - Ensure that the latest revision of the SAS-486 temporary removing of handrails/gratings are utilized if applicable - Ensure that all temporary storage areas at height are safe and approved if applicable. Foreman (field verification): - Controls specified on the SAS-486 temporary removing of handrails/gratings are in place - Ensure that all temporary storage areas have a responsible person and contact number - To ensure that relevant equipment such as tool lanyards/fish buckets/tool bags are issued to personnel if applicable - Pre-task risk assessment checked and implemented.	30 July 2021
3	Assess the group bowtie and performance criteria and confirm that it has been adopted by each area or is planned for adoption within the next 6 months	RRIA Ensure that the bowtie and performance criteria is adopted per area or part of the BU specific risk plan.	30 July 2021