

Initial Details

Project Name and Number	2076/Shanganagh
Unplanned Event Summary	On Thursday the 28th Sept 2023 at 2.51pm, Walls Construction's EHS Advisor, Emer Croston was notified by the Tower Crane 5 (TC5) operator that while he was in the process of lifting a 7KVA generator from the internals of block F on the northwest corner, Tower Crane 1 (TC1) operator had slewed into his radius resulting in the jib of TC1 coming into contact with TC5's ropes. The collision resulted in the generator swinging hitting the IP resulting in bruising to his upper body.
Incident No	4
Project Name	2076/Shanganagh
Project Type	New Build Residential
Unplanned Event Job ID	UE- [REDACTED] -38525
Sub-Contractor	Flood Precast
Sub-Contractor Name	Flood Precast
Project Manager	[REDACTED]
Client	Land Development Agency (LDA)
Date and Time of event	28/09/2023 14:51:00
Type of incident	Accident Report Form
Event Form Id	UE- [REDACTED] 38525
Job Type	Unplanned Event

Identification of Incident

Incident (classification)	HSA Reportable (over 3 days)
HSA Reportable Cause	Lack of due care and attention
HSA Reportable Type	Line of fire
Not Incident or Fatality	1
No. of Days Lost	more than 3
Is the Injured Person	Secondary Sub-contractor or Agency
Nationality	[REDACTED]
Induction Date	[REDACTED]
Inducted By	[REDACTED]
Gender	[REDACTED]
Age	[REDACTED]

Occupation	[REDACTED]
Length of Time Working for Employer	[REDACTED]
No. of Years in Construction	[REDACTED]
No. of Years Experience at Specific Job Function	[REDACTED]
No. of Days on Site Since Induction	[REDACTED]
Other Relevant Training Details	N/A
Sub-contractor with Active Safety Officer Visits in line with QS23 at Time of Incident	Yes
Phase of Project when Accident Occurred i.e. beginning, middle or end	Beginning
Sub-contractor with Supervisor on site at Time of Accident	Yes

Individual - Accident Details

Date of Accident	28/09/2023
Time of Accident	14:51
Time of Day Accident Occurred	13.00-16.00
Hard Hat	Yes
Hi-Vis Clothing	Yes
Safety Boots	Yes
Eye Protection	Yes
Gloves	Yes
Other relevant PPE	N/A

Individual - Treatment Details

What treatment was required?	Hospital
Name and location of treating physician or hospital if any	Naas Hospital
How did the injured person get to hospital	[REDACTED]
Description of Injury	IP received bruising to his upper body.
Equipment involved when the incident occurred	Tower Crane 1 and Tower Crane 5. There was a 7KVA generator on the chains of Tower Crane 5 and was approximately 1m above the slab at the time of the collision.

Details of the Incident

Location of incident	The accident occurred in Block F on the Northwest Corner.
Weather Conditions	Dry and sunny.

Incident reported Date and Time	28/09/2023 15:00:00
Reported to	██████████ EHS Advisor Walls Construction
EHS Officer Notified	██████████
Date	28/09/2023
Time	15:00
Incident Details	Due to this section's maximum being 4000 characters, and given the detail required for this section, the full Accident details are located in " Crane Collision 28th Sept 2023 LDA "

Details of Time Lost

Did the Injured Person Cease Work	Yes
Additional information	It was initially communicated by the Safety Manager of Flood Precast the following day of the Accident that the IP was signed off work until the 9th October 2023. However, it was communicated by Flood Precast that the IP is now expected to return on the 16th October 2023

Witness

Add an Additional Witness	Yes
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Witness 2

Company Name	Allen Cranes
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Assign/Complete Corrective Action ?

Would you like to complete/assign a Corrective Action ?	Assign new Corrective Actions to others/self
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Sign Off

Name of EHS Manager or Advisor	██████████
Name of Project Manager	██████████
Other	██████████ (Site Manager), ██████████ (EHS Advisor)
Date	09/10/2023

Root Cause Analysis ?

How would you like to complete a Root Cause Analysis yourself?	Self RCA Now
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Human Error

Speed or haste, short cut	Yes
Unaware Hazard	Yes
In line of fire	Yes
Inattention	Yes

Root Cause Analysis	
Event Description	On Thursday the 28th Sept 2023 at 2.51pm, Walls Construction's EHS Advisor, [REDACTED] was notified by the Tower Crane 5 (TC5) operator that while he was in the process of lifting a 7KVA generator from the internals of block F on the northwest corner, Tower Crane 1 (TC1) operator had slewed into his radius resulting in the jib of TC1 coming into contact with TC5's ropes. The collision resulted in the generator swinging hitting the IP resulting in bruising to his upper body.
Primary Cause Why	Speed or haste, short cut: Given that the operator of TC1 was slewing to the right at full speed, and that the crane takes 15 seconds to stop while back notching, the crane operator was slewing at an excessive speed given TC5's location. The operator of TC1 should have slewed at a slower speed until the location of TC5 was known.
Secondary Cause Why	Unaware Hazard: The crane operator was operating the crane at excessive speed given the location of TC5. In addition, the Slinger Signaller (IP) was unaware of the potential hazard of sanding between the 7KVA generator and the reinforced concrete (RC) wall.
Primary Contributing Factors Why	In line of fire: The Slinger Signaller (IP) placed himself in the line of fire by standing between the RC wall and the generator which was being lifted.
Secondary Contributing Factors Why	Inattention: Both the crane operator and the IP demonstrated inattention given that the crane operator was operating the crane at excessive speed and that the IP was standing in the line of fire.
Root Cause	Speed or haste, short cut & In the line of fire: The crane operator operating the crane at excessive speed and the IP placing himself in the line fire while standing between the RC wall and the lift.

What actions have been taken to remove cause(RCA)

Row 1

Corrective Action	On the morning following the there was a company wide stand down with all crane operators and slinger/signallers to emphasize the importance of of all personal keeping out of line of fire, their roles and responsibilities in terms of GN07 (Management of Lift Operations, reporting defects, use of crash radios, stopping works where required and daily checks.
By	[REDACTED]
Date	29/09/2023

Row 2

Corrective Action	All crane operators have been instructed to remain in 2nd gear at all times. This will dramatically reduce the speed and thus ensure that should there be a requirement to break in an emergency, that the crane will stop.
By	[REDACTED]

Date	02/10/2023
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What actions need to be taken to remove cause(RCA)

Row 1

Comment	Walls Construction to explore the possibility of fitting anti-collision software on the cranes at the Shanganagh project
Required Closure Date	03/11/2023
Applicable Subcontractor	Walls Construction
WCL Owner	[REDACTED]
WCL Owner UserID	905
Applicable Sub-Contractor	Walls Construction

Row 2

Comment	Walls Construction to contact Allen Cranes to ensure that cranes are unable to be put into top gear (4th) to ensure cranes are slowed down and operated at a safe speed.
Required Closure Date	27/10/2023
Applicable Subcontractor	Walls Construction
WCL Owner	[REDACTED]
WCL Owner UserID	905
Applicable Sub-Contractor	Walls Construction

Row 3

Comment	Walls Construction Site Team to develop a site specific demonstration on site aimed at Slinger/Signallers and other personal on site to alert all personal on In the Line of Fire injuries.
Required Closure Date	31/10/2023
Applicable Subcontractor	Walls Construction
WCL Owner	[REDACTED]
WCL Owner UserID	905
Applicable Sub-Contractor	Walls Construction

Supporting Photos and Documentation

Detail of Documents	All documents relating to this accident are located on [REDACTED]
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