

ENFORM

SAFETY ALERT

Worker Injured by Falling Diving Board

Safety Alert: #25 - 2010	Release Date: September 3 rd , 2010
Incident Type: Personal Injury / Lost Time Incident	Country of Origin: Western Canada

Description of Incident:

- Two Workers were preparing to adjust the fall protection post in the monkey board area while the rig mast was laying over on the crown stand. Worker one was positioned in the monkey board structure, approximately 11 feet from the ground level. Worker two was positioned on the catwalk.
- Worker one attempted to throw a rope around the top section of the fall protection post, but missed catching the returning end. The rope fell towards the beam he was standing on, so he bent down to retrieve the rope. As he stood up, he grabbed and pushed the diving board that was positioned facing up and beside him. The diving board tipped out towards the crown stand and he lost his balance, causing him to fall off the structure and struck with the diving board causing injury.
- The worker was wearing and using the appropriate fall protection equipment.

What Caused it:

Examination of the scene revealed the following factors contributed to this incident.

- The back of the diving board is hinged to the monkey board and is five feet long. At the other end of the diving board is a four foot beaver tail which is attached with a hinge. When the mast was down, the diving board is stood in an upright position and secured by a single rap of sash cord.
- When the worker positioned in the monkey board area stood up from retrieving the fallen rope, he grabbed and pushed the diving board. This action caused the diving board to pivot down and slip out from the single wrap of sash cord.
- The workers and Job Safety Analysis did not identify the potential of the diving board pivoting from the inadequate securement, creating a loss of balance situation.

Recommendations:

- Have the back section of the diving board hinge removed and permanently welded to the monkey board. This will prevent the inadvertent movement of the entire board, while the derrick mast is in the horizontal position laying in the crown stand. The beaver tail section will still have the ability to hinge and fold back.
- Ensure that personnel have the appropriate amount of time to review the related JSA, when a change of task is encountered. If a potential hazard or hazards are identified for a particular task, and a JSA is inadequate or does not exist, the JSA must be revised or created to address the hazardous issues.
- The driller or a competent worker should supervise the rig up of monkey board components.
- Companies should identify and evaluate similar designs within their fleet and provide immediate mitigation.

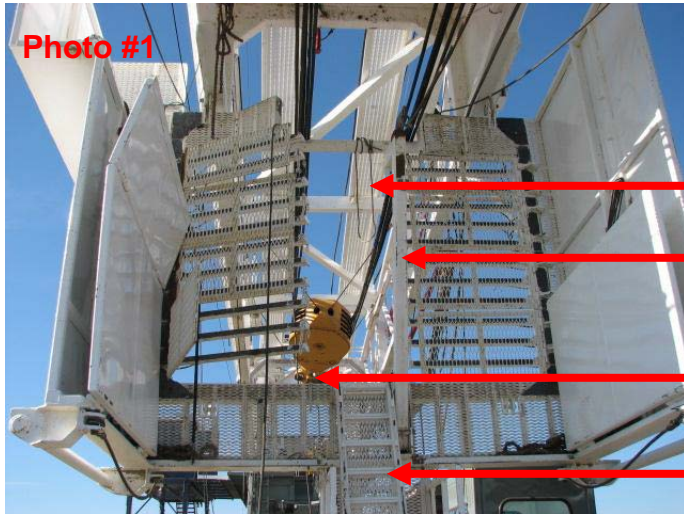


Photo #1

Rope used to secure diving board.

Fall arrest post.

IP original position.

Fallen diving board.

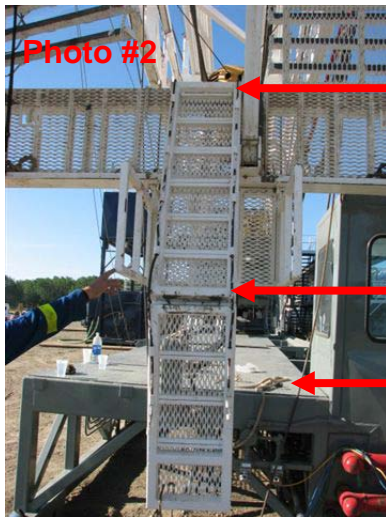


Photo #2

Hinge on diving board.

Hinge on diving board extension.

Position of second worker.

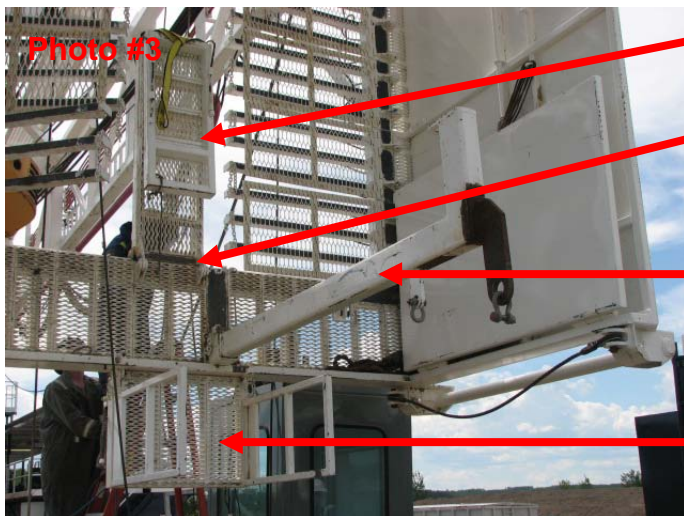


Photo #3

Diving board extension in folded position.

Corrective action, diving board main section welded to beam on which IP had been standing.

Fall arrest post in pinned position.

Escape buggy platform.

Contact:

For more information of event, please contact safety@enform.ca

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