

## SAFETY ALERT

The below information has been issued on behalf of the FPS to make others aware of the potential risks and possible precautions to take in order to avoid these.

**Date/Time of Incident:**

23/01/2018  
1700hrs

**Type of Incident:**

Falling materials

**Nature of Incident/Injury:**

Near miss

**Details of Incident:**

During piling operations with a Casagrande C850 piling rig in CSP mode a piece of clay fell from the auger cleaning head through the protective pedestrian gantry and onto the public footpath. No one was injured. The driver was unaware of the material falling

As the spoil removal process within the CSP system is a closed process, no spoil should be able to exit through anything but the debris chutes.

For unknown reasons and whilst drilling female piles, the area of the auger cleaner exit had become blocked and materials could not exit via the chutes.



This is a sealed area without viewing access. The area requires an engineer to open the viewing hatch. Neither the operating manual nor the training provided by the manufacturer shows a need for regular inspections.

The build-up of clay thus did not get noticed.

**Root cause (if known):**

Immediate cause: build-up of clay and blocked chutes

Root cause: unknown

**Action Taken:**

Visual inspection of top of chutes after each pile to ascertain build-up of clay and shut down to clean when required. FPS safety alert produced to inform others.

**Lessons Learnt:**