

UPVC Joint Failure During Site Pressure Test

Incident Details

Date: 27/11/2020

Scheme: Alcester STW

Incident Outline

A factory assembled dosing kiosk had been installed and connected to the ferric tank. The task at the time of incident consisted of pressure testing the chemical dosing pumping cabinet pipework to the ferric tank.

A UPVC joint failed and the drain valve consequently ejected from the cabinet narrowly missing the operator carrying out the pressure test. No one was harmed by the incident.

The site pressure test for the pipework required increase and holding to 6 Bar however, failure occurred on increase at 3 Bar. Pipework had been recorded as tested to 6 Bar in the factory acceptance test document.

Photographs



Dosing kiosk



Point of Failure



1st inspection of joint indicates lack of glue

Additional Information and next steps

The incident is being treated as a high potential near miss and a full investigation is ongoing including both safety and quality aspects.

Immediate Action Required

- Review the RAMS and include measures to prevent/reduce operator presence in the danger zone
- Ensure task specific PPE is detailed for pressure testing
- Further investigation into the factory assembly, testing and quality assurance procedures

Please ensure your teams are briefed on the above incident and resulting corrective actions.

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