



INCIDENT ALERT

General Information

Date of Incident	14 th May 2014
Type of Incident	Incident causing injury

About the Person

Occupation of Person	HPWJ Operator
Experience of Person	2 to 5 years
Training Level	HPWJ Operator Course
Other Training	HPWJ Assistant Course
No. of Hours Completed	2

About the Incident

Time of Accident	06:00am
Result of Injury	Hospital inpatient.
Lost Days	Nil
Description of Incident	Laceration to right wrist & arm
What Equipment Category	Class B Jetting unit
Equipment Used	HPWJ Flex Lance

What happened unexpectedly	<p>The Operator was in the process of cleaning the 1st tube of a vertical tube bundle. The operator did not have an anti-withdrawal device in position. The operator was working from the bottom of the heat exchanger using a flex lance at around 750bar. Due to the conditions in the tube the flex lance was ejected back while still under pressure towards the operator which caused the operator to lose grip and control of the flex lance as it moved back at speed. As the nozzle passed the operator's hand/arm the high pressure water punctured his right palm and wrist causing a long laceration. The Anti-withdrawal device was on site but not used.</p>
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What Was Person Doing	Cleaning vertical tubes in a tube bundle
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Corrective Action

What Immediate Action	Job stopped, Medical attention sought, Notification made, Investigation began
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Preventative Action

Elimination	
Substitution	
Isolation or barriers	
Engineering	
Administration	<p>Development a generic SWMS for Tube Bundle Cleaning & enhance training on specific equipment. Mandate the use of mechanically fixed anti-withdrawal devices and for the nozzle operator to be in control of the foot pedal for all pipe & tube work. Specialised supervisor to plan tube cleaning tasks. Gain more knowledge of HPWJ Injection injuries that enhances the medical alert card that can be issued to medical staff in the event of HPWJ injuries.</p>

PPE	
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LEARNINGS

Mechanically held anti-withdrawal devices will stop ejection of a hose/nozzle assembly while still under pressure.

The nozzle operator shall be in control of the hold to activate device at all times.