



INCIDENT ALERT



General Information

Date of Incident	Unknown
Type of Incident	Lost time Incident

About the Person

Occupation of Person	HPWJ Operator
Experience of Person	Unknown
HPWJ Training Level	Unknown
Other Training	Unknown
No. of Hours Completed	

About the Incident

Time of incident	Unknown
Result of Injury/Damage	Water injection injury to right hand
Lost Days	unknown

Description of Incident	Equipment operator was manually rigid lancing vertical tubes positioned on a scaffold using an overhead lance pulley and a 1500bar pump. The initial setup included a 3mm ID rigid lance rod and a nozzle with an O.D. of approximately 13mm running through an articulating arm equipped with a 10mm horseshoe or "half-moon" lance stop for anti-withdrawal. An in-line foot pedal was in place and being operated by the equipment operator.
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What Equipment Category	Tube cleaning
Equipment Used	1500bar pump, foot pedal & rigid lance

What Was Person Doing	Manually rigid lancing vertical tubes
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What happened unexpectedly	At some point during the job the supervisor changed the nozzle to a nozzle/tip with a smaller O.D. Shortly after the nozzle/tip change, the rigid lance hydraulicked back out through the anti-withdrawal device and the nozzle water jet came in contact with the equipment operator's right hand resulting in three small puncture wounds
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Corrective Action

What Immediate Action	Medical intervention applied.
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Preventative Action

Elimination	
Substitution	
Isolation or barriers	
Engineering	
Administration	
PPE	

LEARNINGS

- A "donut" or full circle/moon lance stop is typically used when rigid lancing. Horseshoe or "half-moon" lance stops are used when flex lancing.
- Before starting rigid lance operations the lance should be pulled back against the lance stop/insert to verify that it will prevent the stiff lance from being withdrawn.
- Always identify and address any hazards associated with changes in a job/task to include setup or tooling changes