



INCIDENT ALERT

General Information

Date of Incident	3/5/18
Type of Incident	Potential only

About the Person

Occupation of Person	HPWJ Operator
Experience of Person	8 years +
HPWJ Training Level	Operate a high pressure water jetting system. (Operator)
Other Training	Internal Combo Unit training.
No. of Hours Completed	4

About the Incident

Time of incident	9:00am
Result of Injury/Damage	Nil
Lost Days	N/A
Description of Incident	Operator using a combination unit was jetting a line entering a pump station, the line entered through the chamber wall off the bottom of the chamber. The operator had completed one pass of a sewer line successfully, and was attempting to commence a second pass. A proper visual of the nozzle in the end of the sewer pipe was not possible due to lighting and fog conditions.
What Equipment Category	Drain cleaner Combo.
Equipment Used	Combination drain cleaner/vacuum unit.
What Was Person Doing	Cleaning a drainage line
What happened unexpectedly	Operator believed the jetting nozzle was safely inside the sewer line, and commenced jetting. The nozzle had not entered the sewer properly, and as pressure was increased, ejected up the manhole into the air. The operator shut down the unit, and as the jetting nozzle fell to the ground it grazed the back of the operators head.

Corrective Action

What Immediate Action	Operations Manager was on site, and monitored the operator's wellbeing to confirm no injury. The crew initiated a CSE to securely place the jetting nozzle into the sewer line to complete the required jetting. The rest of the work was completed without further incident, and the operator sustained no injury from the incident.
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Preventative Action

Elimination	
Substitution	
Isolation or barriers	Use of protective grates to be mandated where ever possible when launching jetting nozzles on combination units.
Engineering	
Administration	Toolbox incident to all operators highlighting the potential outcome and appropriate actions.
PPE	Mandatory use of hard hats during drain cleaning operations

LEARNINGS

Operations should not commence unless line of site confirmation that jetting nozzle is inserted in pipe. If line of site cannot be obtained other controls such as a pipeline guide to be used to launch nozzle in to pipe preventing ejection. Operator is to be in control of the hose holding it and guiding it starting at low pressure and not increasing until leader hose is fully inserted in to the pipe to be cleaned.