



OHS Management System

Risk Assessment Form

ITEM / TASK: Cherne Inflatable Pipe Plugs

What is the purpose of this equipment/task?

The plugging of pipelines by using inflatable rubber plug.

What are the potential hazards in using/ performing this equipment/task?

Hazard(problem)	Risk(harm)	Controls(solution)
Lifting Equipment	Back strain/Injury	<ul style="list-style-type: none"> • Seek assistance, use proper lifting techniques
Air pressure – test plugs	Plug may fail / burst causing bodily injury or death	<ul style="list-style-type: none"> • Death, bodily injury, and/or property damage may result if plug fails for any reason. • Read and understand safety instruction sheet before using plug. • Must wear safety glasses and a hard hat. • Do not enter danger zone when plug is in use. • Measure pipe diameter before selecting plug. • Inspect plug for damage before and after use. • Never use a plug in a pipe size different from recommended usage range. • Always attach an inflation hose so plug can be inflated and deflated from outside the danger zone. • Never remove the inflation hose until all back pressure is released and the plug is deflated. • Must inflate plug to the pressure shown on plug • Always use properly-calibrated pressure gauges • Do not exceed recommended maximum allowable back pressure (refer to safety instruction sheet). • Always release back pressure from the pipe first, before deflating plug. • Check pneumatic plug inflation pressure at least • every four hours.



What are the potential hazards in storing this equipment?

Hazard(problem)	Risk(harm)	Controls(solution)
Incorrect storage	A crease in plug cause a weakened area resulting in premature failure upon plug inflation or use.	When storing a plug, it is recommended that the plug be partially inflated to 1 PSIG only which will prevent a permanent crease from forming in the plug body.
Exposure to excessive temperatures	Storage of plugs in non-ventilated structures (such as metal buildings) may expose the plugs to excessive temperatures which may damage the plugs and possibly result in a plug failure.	Store plugs below 43 degrees c Store the plug in a clean dry place, away from sunlight or other sources of ultra-violet light and away from sources of ozone, such as electrical equipment.

How and when is this risk assessment to be reviewed?

To be reviewed when design is changed or an accident or incident has occurred.

Assessed by:

Mark Quealy

Date: 26 / 10 / 16

Signed