



CBTA

Fire Water, Site water & Safety Showers

SP/TRN/TM91

Candidate's Name: Christopher Kuhl

Candidates Signature: _____

Assessor's Name: _____

Assessor's Signature: _____

Date Completed: CBTA Reassessment: _____

EXAMPLE DOCUMENT ONLY

For first time candidates, the entire CBTA is to be completed. For the purposes of re-assessment only the demonstrative section requires completion.

Written

Question	Answer	Assessor check
Where is the Potable water skid located?	Between the homestead and the E&I workshop	
How many water tanks are connected to the system?	6 tanks	
What areas of the Plant are serviced by the potable water system?	Provides water to the homestead and safety shower system	
Briefly describe the types of Fire Fighting Systems at Iona	Water mist suppression for Turbine's, Fire water circuit	
What pumps are connected to the fire water system?	P-901, P-902, P-903, P-904	
What is the purpose of PCV-9025 & PCV-9027?	To control the pressure of the fire water circuit, Excess discharge pressure from the fire pumps is redirected back to the fire water dam.	
What are the trip points on the fire water system and what happens at these pressures?	Standby operation the fire water header operates around 520kpa. When the pressure in the fire water header drops below 350kpa the electric fire water pump P-903 starts. If the header pressure continues to drop and falls below 250kpa then the diesel P-904 starts.	
What is T-904 and why does it not have a pump fitted?	T-904 is the diesel tank for the diesel fire pump P-904. The tank gravity feeds the diesel engine.	
How many combination safety showers are located on site?	17 on site at Iona and 1 at the MLV. <ul style="list-style-type: none"> • SSH-1 – Truck Loading Area • SSH-2 – Chemical Store • SSH-3 – TEG Regeneration • SSH-4 – MEG Regeneration • SSH-5 – Chemical Dosing Area • SSH-6 – Refrig Skid Area 	

	<ul style="list-style-type: none"> • SSH-7 – Odorant Injection • SSH-8 – Well Site Chemical Injection • SSH-9 – Train 1 Condensate Stabiliser Skid • SSH-10 – Compressor House Train 1 (Building) • SSH-11 – Hot Oil Facilities • SSH-12 – Methanol Storage Tank • SSH-13 – Condensate Storage Tank • SSH-14 – Train 2 Emergency Generator – Diesel Storage Tank • SSH-16 – Laboratory • SSH-17 – MEG Pumps Area 	MB
How many portable eye wash stations are located at Iona and where are they located.	4 portable eye wash stations on site. V-381, Train 1 generator, T-404, fire pumps beside the diesel fire pump.	
What sort of safety shower/eye wash are located at MLV, NP 4&5, NPMS ,NPPS & WC2	The MLV has an eye wash and safety shower connected to a tank with an on demand pump. The rest have one portable potable eye wash station each.	
What happens when a combination safety shower is used on site?	A light and audible alarm raises on the annunciator panel, also an alarm raises on the DCS with a short description of the location on the alarm.	MB

Oral

Question	Assessor check
What is the purpose of the UV light?	Ultra violet light UVL-001 is used to kill any bacteria or viruses in the potable water system. UVL-001 consists of two lamps with two sleeves.
How many Pumps and filters are in the potable water system?	two pumps and motors, a pump control system, a pulsation damper/accumulator, two filters in series and a UV lamp
What must be done after any maintenance on the potable water skid?	Ensure operations are aware that the potable water is not treated during maintenance of UVL-001 and filters F-902 F-903. After maintenance is complete, run kitchen tap in

	homestead to flush non treated water from system.
Where is the fill point for the potable water system?	Top of the tanks/ contractor car park fence.
Describe the function of the Fire water dam including its capacity and limits.	Fire dam supplies water to the fire water header. Volume 4 mega litres (max) 1 mega litre (min)
What is the purpose of PCV-9025 & PCV-9027?	They regulate the discharge pressure of fire pumps P904/903 to 1150kpa as not to over pressure the fire water header.
What type of fire extinguishers are on site and where are they located?	UGS-MA-0057 / MN_PLN_PC47_WI01 (CO2 CARBON DIOXIDE , D- DRY CHEMICAL , AFF-FOAM , W-WATER)
Where do the combination Safety Showers onsite get their water from?	The potable water skid (6 tanks)
What is used in a portable eye wash station?	Bottled water with additive to stop bacteria growth. Must be changed every 6 months (PRESERVATIVE, EYEWASH STATION WATER ANTIMICROBIAL PRESERVATIVE, SPEAKMAN, P/N SE 4210) XX0231.
How do you know when the MLV combination safety shower has been activated?	The affected person/s using the shower must radio back to the control room operator to alert them of the incident.

Demonstrative

Question	Assessor check
Demonstrate how the water tank level is checked for the purposes of daily reads.	Open the valve half way up the side of T-903
Demonstrate how to look for faults in the system.	Check the UV light is operating, look for leaks.
Locate and name all components of the Potable water skid.	UGS-PB-902 / 905
Locate and name all components at the Fire Pump shed.	UGS-PB-901 / 903
Locate each Firewater Monitor, Hydrant and Hose Reel.	UGS-PB-903 / PLOT PLAN 650
Locate PIT 9021 & PIT-9022	PIT9021 P-903 DISCHARGE / PIT9022 P-904 DISCHARGE.

Locate and change out portable eyewash station inhibitor.	
Demonstrate monthly checks on combination safety shower.	GP-PS-PC01-WI60 REV 7
Locate all onsite combination safety showers.	GP-PS-PC01-WI60 REV 7

The candidate is assessed as being:

Competent

Not yet competent

Areas requiring improvement:

Questions Corrected by: _____

For first time candidates only:

Department Manager's name: _____

Department Manager's signature: _____

Date: _____

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