Assessment Tool Matrix

Matrix PUAFIR309B Operate pumps

V8 June 2013

Evidence Legend

O Observation
Q Questioning
TP Third party verification

Element 1	Prepare pump to deliver water	Method of Evidence Gathered
1.1	Type of pump selected is appropriate to the operation/incident.	Q12,TP,OB1
1.2	Suitability of water supply for operational purposes is determined.	Q22,
1.3	Pump is sited and positioned to receive and deliver water supply in accordance with organisational requirements.	OC1,
1.4	Pump and primer are engaged in accordance with manufacturer guidelines and organisational procedures.	OC1,OC2,TP6,
1.5	Appropriate foam agents and foam equipment are prepared for the production of foam at an incident, where required.	OC6,Q10,Q11,

Element 2	Operate pump	
2.1	Pump components, ancillary equipment and principles of operation are utilised to draught water from a static supply to boost water from a reticulated supply and/or to deliver water from the appliance tank in accordance with appliance capability.	OC2,OC5,OC4,OC3,OA5,TP6,
2.2	Pump operation is in accordance with manufacturer specifications, organisational procedures and workplace health and safety (WHS) guidelines	OC2,OC3,OC4,OC5,OA5,TP1,
2.3	Principles of hydraulics are considered when determining pump settings.	Q23,OA5,
2.4	Pumps are operated and observed to ensure that pressure and flow meet operational requirements and that safety to personnel is maintained.	OA1,OA2,OC3,OC4,OC5,OA5
2.5	Pump performance is monitored and maintained to ensure maximum efficiency of operation, to detect and correct pumping and safety problems, and to take appropriate action in accordance with organisational procedures.	Q24,Q14,Q23,OA5,
2.6	Pump operations are carried out avoiding injury to personnel and damage to equipment and facilities.	OA5,OA1,Q1,Q18,TP,
2.7	Mechanical malfunctions are reported to supervisor according to organisational procedures.	Q18,TP,OA4,OA5,

Element 3 Conclude pump operations

3.1	Pump operations are concluded in accordance with organisational procedures.	OC7,OC8,Q25,TP5,
3.2	Ancillary equipment is collected and stowed in accordance with organisational requirements.	OC8,Q25,TP,
3.3	Maintenance procedures and checks are undertaken to ensure pump and ancillary equipment are serviceable in accordance with organisational requirements.	TP,Q25,Q24,Q18,OC8

Evidence Legend

O Observation
Q Questioning
TP Third party verification

Critical Aspects for Assessment:
Q24,OC3,OC4,OC5

Maintenance of appropriate levels of pressure:
Q23,Q12

Responding appropriately to changing circumstances:
Q3,Q6,Q7,Q9,OC4,OC2,OC3

When using foam:
Q10,Q11,OC6

When pumping from an appliance tank, monitoring levels of water remaining in appliance tank to ensure minimum levels for crew protection:
OA5

Pumping without injury to personnel or damage to equipment:
OA1,OA2,OA5,Q1,Q2,Q5,TP

Required Skills and Knowledge

This assessment tool has addressed required skills and knowledge and ciritical aspects of evidence.