**INSPECTION, TEST, VERIFICATION & STATUS REPORT**

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| **ITP Description:** | Electric Fire Pumpsets Installation and Commissioning | **Revision** |  | **SYMBOLS FOR OPERATION**  A-APPROVAL / W-WITNESSED / T-TEST / C- CERTIFICATE / H-HELD / G-GENERAL / I-INSPECTED  GM Fire: Onsite Representative (GMR) Principle Contractor: (PC)  Consultant: (CS) Client: (CL) |
| **ITP Number:** | GMF-ITPS-015 | **Prepared By** | Drew Brooks |
| **Trade:** | Fire Services | **Signature** |  |
| **Project Number:** |  | **Approved By** | James Pretty |
| **Project Name:** |  | **Signature** |  |
| **Project Address:** |  | **Date** |  |

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| **Hold Point Details** | | | | | |
| Hold Point Required:  Yes | | |  No |  Other: |  |
| GM Sign Off | | Name: | | | Signature: |
| PC Sign Off | | Name: | | | Signature: |
| CS Sign Off | | Name: | | | Signature: |
| **Site Specific Details** | | | | | |
| Frequency of inspection and testing: | | |  Level |  Area |  Other: |
| Building: |  | | | | |
| Level: |  | | | | |
| Area: |  | | | | |

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| **ITEM** | **DESCRIPTION OF ACTIVITIES** | **ACCEPTANCE CRITERIA SPECIFIED** | **COMMISSIONNIG CODES AND REQUIRED DOCUEMNTATION** | **DRAWING REFERENCE NUMBER** | **QUALITY CONTROL** | **PERFORMED AND/OR WITNESSED BY:** | | | | **DATE** |
| **GM** | **PC** | **CS** | **CL** |
| 1 | Check location of pumpset - in a  position that is protected from falling debris, and vehicular and mechanical damage | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 2 | Check clearence of pumpset - For ongoing inspection and testing, a clearance of not less than 1.0 m shall be provided  around the perimeter of a complete pump assembly; | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 3 | Check clearence of pumpset - for multiple pumpset installations, a  clearance of not less than 600 mm between each of the installed pumps shall be provided | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 4 | Check elevations - Multiple pumpsets shall be installed with the centre-line of all suction pipes at the same elevation. If the pumps are to be installed at different elevations, the elevated pump shall be installed on a properly constructed mezzanine floor with head clearance of minimum 2.1 m  to the underside on both levels | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 5 | Check Plinth - Pumpset baseplates shall be mounted on concrete plinths with a height not less than  150 mm above the floor.  For fixing purposes, the concrete plinth shall extend 150 mm past the edge of the baseplate  on all four sides. | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| **Electric Pumpsets** | | | | | | | | | | |
| 6a | Check the coupling alignment to ensure that the unit is aligned within the  manufacturer’s specified tolerance. | AS2941.1-2013 – Section 11 and 12 | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 6b | Check the direction of rotation | AS2941.1-2013 – Section 11 and 12 | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 6c | Ensure that the delivery from the pump under test is the only supply to the measuring device and that all flow from the pump passes through the device. | AS2941.1-2013 – Section 11 and 12 | W5.2 State of the System   Pass |  | I |  |  |  |  |  |
| 6d | Ensure that the pump is primed and that lines are clear, valves correctly set (open,  closed or adjusted to required pressure), and that water is available. | AS2941.1-2013 – Section 11 and 12 | **Hold Point Required:**   * Yes   W5.4 System Filling and Venting   * Pass   W5.4.1 Pressure Testing   * Pass |  | I |  |  |  |  |  |
| 6e | Isolate all other water supplies to the fire protection systems, such as the automatic  pressure maintenance pump and compression-ignition engine driven pumps | AS2941.1-2013 – Section 11 Installation | W5.2 State of the System   Pass  W5.4 System Filling and Venting   * Pass |  | I |  |  |  |  |  |
| 7a | The following shall be reported –  Pump plate details / photo | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7b | Record - the pressure in the system at which the pump starts automatically. | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7c | Record - Pump shut-off pressure on delivery gauge | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7d | Record - Motor current at shut-off pressure. | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7e | Record - Delivery pressure at maximum flow | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7f | Record - Pressure on discharge gauge and motor current at three other flow rates between shutoff  and maximum flow, one of which should be at the duty flow rate | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 7g | Check –  (i) periodically check the temperature of the bearings and stuffing box leakage and note any abnormality;  (ii) check that all alarms and indicators, both visual and aural, have been activated; and  (iii) check that alarms and indicators, both visual and aural, revert to normal stand-by  status when pump is stopped. | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 8 | Whether the electric pumpset, together with its associated control gear and ancillary  equipment, functioned correctly. | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 9 | Whether the pumpset satisfies the intended performance conditions (e.g. flow rate and  head). | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |
| 10 | Whether there is operational abnormality. | AS2941.1-2013 – Section 12 | W5.2 State of the System   Pass |  | T |  |  |  |  |  |