Watershed Equipment Data Collection

Document Number AM2775

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1. FACILITY BASIC INFORMATION

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information  |
| Facility Type (i.e.: SPS, WPS, WTP) |  |
| Facility Name |  |
| Facility Code (i.e.: SPSXXX) |  |
| Street Number |  |
| Street Name |  |
| Locality (suburb) |  |
| Postcode |  |
| Melways ref |  |
| Municipality |  |
| Address Notes (additional info to locate) |  |
| Facility Structure (kerbside type, building etc.) |  |
| Chemical Hazard onsite |  Yes / No |
| BAL Rating (Bush Fire Attack Level) |  |
| Other Significant Hazards |  |
| Data Collection by |  |
| Facility Constructed by (i.e.: Contractor) |  |
| Date Submitted |  |

1. MECHANICAL & MOTOR
	1. Generator

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Type (i.e.: VSD, Soft Starter, Contactors) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Designation (no.1, no. 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Height x Width x Depth (mm) |  |
| Voltage Rating (AC volts) |  |
| Current Rating (Amps) |  |
| kW Rating |  |
| Data output used (Modbus / Ethernet) |  |
| Wired inputs used (input IO) |  |
| Wired outputs used (output IO)  |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Pump Starter

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Type (i.e.: VSD, Soft Starter, Contactors) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Designation (no.1, no. 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Height x Width x Depth (mm) |  |
| Voltage Rating (AC volts) |  |
| Current Rating (Amps) |  |
| kW Rating |  |
| Data output used (Modbus / Ethernet) |  |
| Wired inputs used (input IO) |  |
| Wired outputs used (output IO)  |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Motor

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Coupling (close coupled, rigid drive, flexible drive) |  |
| Designation (no.1, no. 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Starter’s Equipment ID  |  |
| kW Rating |  |
| Motor Speed (RPM) |  |
| Type (AC, DC) |  |
| Voltage Rating (AC volts) |  |
| Full Load Current Rating (Amps) |  |
| Running Load Current (Amps) |  |
| Motor Protection (RTD, thermistor, moisture ingress etc.) |  |
| Weight (kg) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Transfer Pump

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (submersible, end suction, positive displacement etc.) |  |
| Coupling (integrated with mechanicals, close coupled, flexible drive) |  |
| Designation (no.1, no. 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Weight (kg) |  |
| Outlet Connection Flange Size (mm) |  |
| Motor’s Equipment ID (if separate) |  |
| kW Rating |  |
| Motor Speed (RPM) |  |
| Voltage Rating (V) |  |
| Full Load Current Rating (Amps) |  |
| Running Load Current (Amps) |  |
| Motor Protection (RTD, thermistor, moisture ingress etc.) |  |
| Duty Head (m) |  |
| Duty Flow (l/s) |  |
| Shut Head (m at 0 l/s) |  |
| Q max (flow at end of curve) |  |
| Impeller Type |  |
| Impeller Manufacturer Code |  |
| Impeller Diameter (mm) |  |
| Wear Ring Imp Part no |  |
| Wear Ring Bowl Part no |  |
| Oil Type |  |
| Flushing Valve Present |  |
| Pump Reversal Functionality |  |
| Pump Reversal Programmed |  |
| Pump Efficiency Test Result |  |
| Pump Efficiency Test Date |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Sump Pump

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant area location (e.g.: valve gallery) |  |
| Type (submersible, end suction, positive displacement etc.) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| kW Rating |  |
| Motor Speed (RPM) |  |
| Voltage Rating (AC volts) |  |
| Full Load Current Rating (Amps) |  |
| Duty Head (m) |  |
| Duty Flow (l/s) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Dosing Pump

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Chemical  |  |
| UN Number |  |
| Placard Present |  |
| Designation (no.1, no. 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| kW Rating |  |
| Motor Speed (RPM) |  |
| Voltage Rating (AC volts) |  |
| Full Load Current Rating (Amps) |  |
| Dosing Rate (l/s) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. VALVES

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works, MH number, SPS number) |  |
| Type (Isolation, NRV, PRV, Air etc.) |  |
| Gate Type (ball, flap, knife, penstock resilient seated wedge, metal seated wedge, butterfly) |  |
| Designation (pump 1, pump 2) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Internal Diameter (mm) / Orifice Size (if air valve) / Gate Size (if penstock) |  |
| Flange to Flange length (mm) (if flanged) |  |
| Flange Standard (egg: AS XXXX) |  |
| Flange Class (egg: PN16, class D) |  |
| Actuated (Y / N) |  |
| ***If Actuated Valve***, provide the following additional information: |
| Actuator Type (Pneumatic / Electric) |  |
| Actuator Make |  |
| Actuator Model |  |
| Actuator Serial Number |  |
| Actuator Power Supply (AC / DC and Voltage) |  |
| Configuration File Available (Y/N) |  |
| ***If Isolation Valve***, provide the following additional information: |
| Valve Closing Direction |  |
| ***If Gearbox Fitted***, provide the following additional information: |
| Gearbox Type |  |
| Gearbox Make |  |
| Gearbox Model |  |
| Gearbox Serial Number |  |
| ***If Pilot Valve Fitted***, provide the following additional information: |
| Make |  |
| Model |  |
| Serial Number |  |
| Internal Diameter (mm) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. INSTRUMENTATION & MONITORING
	1. Power Monitor

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (din mounted, door mounted) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Signal Type (Modbus, Ethernet, RS-x) |  |
| Voltage Rating & No. Phases |  |
| Current Range |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Level Analogue

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (hydrostatic, radar, ultrasonic) |  |
| Transducer location (e.g.: Tank / Well / MH) |  |
| Transmitter location (adjacent to transducer, switchboard, control room) |  |
| Signal Type (4-20mA, Hart, Modbus) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Measurement Units |  |
| Calibration Range |  |
| Instrument Span |  |
| Datum Level (meters AHD) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Level Switch

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Location (egg: Tank / Well / MH) |  |
| Type (float, vibrating folk, probe) |  |
| Process Fitting & Size (BSP, NPT, Flange) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Approx. mounting RL (meters AHD) |  |
| Make / Break on Rise |  |
| Make / Break on Fall |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Pressure Analogue

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Transducer location (e.g.: pipe / vessel) |  |
| Transmitter location (adjacent to transducer, switchboard, control room) |  |
| Signal Type (4-20mA, Hart, Modbus) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Measurement Units |  |
| Calibration Range |  |
| Instrument Span |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Pressure Switch

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Location (e.g.: pipe / vessel) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Set point (value & unit) |  |
| Dead band |  |
| Make / Break on Rise |  |
| Make / Break on Fall |  |
| Range |  |
| Measurement Units |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Level or Pressure Indicator

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Indicator location (e.g.: pipe / vessel) |  |
| Type (level / pressure) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Process Fitting & Size (BSP, NPT, Flange) |  |
| Mounting (pipe, wall, cabinet face) |  |
| Measurement Units |  |
| Operating Range |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Flow Analogue

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (mechanical, ultrasonic, magflow) |  |
| Diameter (mm) |  |
| Transducer location (e.g.: pipe, pump outlet, inlet) |  |
| Transmitter location (adjacent to transducer, switchboard, control room) |  |
| Signal Type (4-20mA, Hart, Modbus, Pulse) |  |
| Voltage Rating (DC volts) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Pipe size (DN) |  |
| Measurement Units |  |
| Calibration Range |  |
| Instrument Span |  |
| Calibration report provided (Y / N) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Flow Switch

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area:(submersed, building, external) |  |
| Type (probe, paddle) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Set point (value & unit) |  |
| Dead band |  |
| Make / Break on Rise |  |
| Make / Break on Fall |  |
| Range |  |
| Measurement Units |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Analyser

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Instrument Type (EC, pH, Turbidity, Chlorine residual, Rain gauge)  |  |
| Plant Area Location (e.g.: inlet works) |  |
| Transducer Location (e.g.: pipe / vessel) |  |
| Transmitter location (adjacent to transducer, switchboard, control room) |  |
| Signal Type (4-20mA, Hart, Modbus) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Measurement Units |  |
| Calibration Range |  |
| Instrument Span |  |
| Other |  |

* 1. CCTV Camera

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| IP Address |  |
| SD Card |  |
| PTZ |  |
| PoE Make |  |
| PoE Size (Watts) |  |
| PoE Serial Number |  |
| PoE Date Installed |  |
| Lightning Protection |  |
| Camera Function |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. ELECTRICAL
	1. Switchboard

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Ventilation-Cooling (natural, forced, AC) |  |
| Construction Material |  |
| Mounting (floor, wall, exterior slab) |  |
| Form (1, 2a, 2b, 3a, 3b etc.) |  |
| Construction method (prefab, custom) |  |
| Power Distribution Company |  |
| National Meter ID (NMI)  |  |
| CT size |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Switchboard Generator Connection

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Permanent generator connected (Y/N) |  |
| Temporary generator connection (Y/N) |  |
| Generator capacity required (full load kVA) |  |
| Generator Plug fitted (Y/N) |  |
| Plug Phase Rotation direction |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Isolators and Circuit Breakers

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Circuits isolated (main supply, appliance name- e.g.: motor, blower, mixer) |  |
| Supply Voltage & No. Phases |  |
| Type (isolator / circuit breaker) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Current Rating (Amps) |  |
| Current Setting (Amps) |  |
| Fault rating (kA) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Harmonic Filter

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Current Rating (Amps) |  |
| Voltage Rating (Volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Surge Diverters

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (Diverter, filter, arrestor, protector) |  |
| Circuits protected (PLC card, RTU) |  |
| Mounting (DIN, wall, rack) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| No. diverters |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. DC Power Supply

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Supplied circuits (PLC, RTU, instruments) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Power Rating (W) |  |
| Voltage Range (DC volts) |  |
| Voltage output setting (DC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. DC UPS (DC to DC)

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Power Rating (W) |  |
| Voltage Range (DC volts) |  |
| Voltage output setting (DC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Inverter UPS (AC)

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Supplied circuits (Computers, Network Switches, servers) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Power Rating (kVA) |  |
| Battery capacity (Amp Hours) |  |
| Voltage output and no. phases (AC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. CONTROL, PROTECTION & COMMUNICATIONS
	1. Pump Monitoring Relay

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Purpose |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Voltage Rating (AC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Relay

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (phase failure, safety) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Voltage Rating (AC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. PLC

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Make |  |
| CPU Module Model |  |
| CPU Serial Number |  |
| CPU Rack Position |  |
| CPU Signal Type (Modbus, Ethernet, RS-x) |  |
| Power Supply Module Model |  |
| Power Supply Serial Number |  |
| Power Supply Voltage (DC volts) |  |
| Power Supply Rack Position |  |
| ***(repeat the above 4 rows as required for each power supply)*** |
| Type of card (Ana In, Ana Out, Dig In, Dig Out) |  |
| Card model |  |
| Card rack and slot |  |
| ***(repeat the above 3 rows as required for each card)*** |
| Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. See the photo instructions at the front of this document for how to do that. Delete this instruction)*** |

* 1. High Level Pump Controller

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. RTU

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Application Type (local control, comms) |  |
| Make |  |
| CPU Module Model |  |
| CPU Serial Number |  |
| CPU Rack Position |  |
| Communications Module Model |  |
| Communications Serial Number |  |
| Communications Rack Position |  |
| ***(repeat the above 3 rows as required for each comms card)*** |
| Power Supply Module Model |  |
| Power Supply Serial Number |  |
| Power Supply Voltage (DC volts) |  |
| Power Supply Rack Position |  |
| ***(repeat the above 4 rows as required for each power supply)*** |
| Type of card (Ana In, Ana Out, Dig In, Dig Out) |  |
| Card model |  |
| Card rack and slot |  |
| ***(repeat the above 3 rows as required for each card)*** |
| Other |  |
| Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. See the photo instructions at the front of this document for how to do that. Delete this instruction)*** |

* 1. Operator Interface

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (PC, HMI) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Voltage Rating (DC volts) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Radio / Modem

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (modem, radio) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| IMEI Number |  |
| Voltage (DC volts) |  |
| Interface (Serial, Ethernet) |  |
| ***If radio*** |
| Frequency (MHz) |  |
| Band width (kHz) |  |
| Data Rate (kbps) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Antenna

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type |  |
| Make |  |
| Model |  |
| Frequency (MHz) |  |
| Lightning Arrestor Y/N |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Loop Isolator / Signal Converter

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Supply Voltage |  |
| Input signal |  |
| Output signal |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. STRUCTURES & BUILDINGS
	1. Building

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Structure Description  |  |
| Wall Description (brick, timber clad) |  |
| Roof Description (tiles, Colorbond) |  |
| Window Description |  |
| Door Description |  |
| Ceiling Description |  |
| Lighting Description |  |
| Ventilation Description |  |
| Spouting Description |  |
| Drainage Description |  |
| Fire Hazard Rating (BAL) |  |
| Fire Rating Comments |  |
| Skylight on-site (Y / N) |  |
| Security Features (deadbolts, CCTV) |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Equipment Pit / Dry Well

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Contained Equipment (NRV, PRV, flow meter, isolation valves, pumps) |  |
| Construction Method (cast in situ / precast) |  |
| Construction Material (conc. / FRP) |  |
| Diameter or Length x Width (m) |  |
| Depth (m) |  |
| Cover Type (Gatic, Aluminum, FRP, Turret Top) |  |
| Cover Weight (largest if multiple) |  |
| Cover Configuration (e.g.: 1 x 2, 2 x 3) |  |
| Opening Dimensions, D or W x L (mm) |  |
| Fall arrest system (grate, railings, davit, turret top) |  |
| ***(repeat the above 5 rows for additional covers & add designation for each)*** |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)***  |

* 1. Detention Tank

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Type |  |
| Diameter or Height x Width (m) |  |
| Length (m) |  |
| Depth (m) - average |  |
| Construction Method (cast in situ / precast) |  |
| Construction Material (conc. / FRP) |  |
| Cover Location |  |
| Cover Type (Gatic, Aluminum, Turret) |  |
| Cover Configuration (e.g.: 1, 1 x 2) |  |
| Opening Dimensions, D or W x L (mm) |  |
| Cover Opening Dimension(s) (mm) |  |
| ***(repeat the above 5 rows for additional covers & add designation)*** |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Pump Wet Well

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Construction Method (caisson, cast in situ, prefabricated) |  |
| Construction Material (conc / FRP) |  |
| Diameter or Length x Width (m) |  |
| Depth (m) |  |
| Well Washer Present (Y / N) |  |
| Mixer Present (Y / N) |  |
| Minimum duration to spill (hrs. at PDWF) |  |
| Split Well Design (Y / N) |  |
| ERS connected (Y/N) |  |
| Discharge Point of ERS (if exists) |  |
| Cover Type (Gatic, Aluminum, FRP, Turret Top) |  |
| Cover Weight (largest if multiple) |  |
| Cover Configuration (e.g.: 1 x 2, 2 x 2) |  |
| Opening Dimensions, D or W x L (mm) |  |
| ***(repeat the above 5 rows for additional covers & add designation)*** |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)***  |

* 1. Access Equipment

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Structure Where Equipment Located (wet well, valve pit, dry well) |  |
| Ladder / Step Irons Present (Y / N) |  |
| Ladder / Step Iron Material (SS, FRP, plastic encapsulated) |  |
| Ladder Extensions Present (Y / N) |  |
| Fall Arrest Grates fitted (Y / N) |  |
| Fall Arrest Attachments fitted (Y / N)  |  |
| Fall Arrest Davit Base fitted (Y / N) |  |
| Fall Arrest Barriers fitted (Y / N) |  |
| Fall Arrest Notes |  |
| Fall Arrest Davit Base Make |  |
| Fall Arrest Davit Base Model |  |
| Stairway Present (Y / N) |  |
| Stairway Material |  |
| Landing Present (Y / N) |  |
| Landing Material |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. FACILITY ANCILLARY EQUIPMENT
	1. Air Treatment System

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Odour Control Type |  |
| Chemical / Media Type |  |
| Carbon Type (if carbon) |  |
| Bio filter Type (if bio or bio trickling filter) |  |
| Media Supplier Details |  |
| Quantity of Media Order |  |
| Media Make |  |
| Media Model |  |
| Specific Surface Area (m2 / m3) |  |
| Diameter (mm) of Vessel (if round) |  |
| Length (mm) |  |
| Width (mm) |  |
| Height (mm) |  |
| Air Flow Rate (m3/min) |  |
| Dosage Rate (l/s) (if dosing) |  |
| Prefilter details incl. sizing |  |
| Other |  |
| Name plate photo (insert below):***(Provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Fans

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Plant Area Location (e.g.: inlet works) |  |
| Type (exhaust, process air, ventilation) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| kW Rating |  |
| Voltage Rating (DC / AC volts) |  |
| Full Load Current Rating (Amps) |  |
| Impeller Diameter (mm) |  |
| Flow Capacity (m3/hr.) |  |
| Rotation Speed (RPM) |  |
| Control (thermostat, PLC) |  |
| Other |  |
| ***If Process Air***, provide the following additional information |
| Starter Type |  |
| Starter Make |  |
| Starter Model |  |
| Coil Voltage (AC volts) |  |
| Thermal Overload Make |  |
| Thermal Overload Model |  |
| O/L Current Range (Amps) |  |
| O/L Current Setting (Amps) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Vent Stack

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Plant Area Location (e.g.: inlet works) |  |
| Make |  |
| Stack Material (e.g.: FRP, SS) |  |
| Outside Diameter (mm) |  |
| Stack Wall thickness (mm) |  |
| Height (m) |  |
| Flow Capacity (m3/hr.) |  |
| Exit Velocity (m/s) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Heaters

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| kW Rating |  |
| Voltage Rating (AC volts) |  |
| Full Load Current Rating (Amps) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Back Flow Prevention Device

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. ding plant area (e.g.: inlet works) |  |
| Type (RPZD, single check) |  |
| Make |  |
| Model |  |
| Size (mm) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Hose Reel

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. ding plant area (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Hose Diameter (mm) |  |
| Hose Length (m) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Wet Well Mixer

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Power Rating (kW) |  |
| Voltage Rating (AC volts) |  |
| Full Load Current (Amps) |  |
| Running Load Current (Amps) |  |
| Impellor Size (mm) |  |
| Rotation Speed (RPM) |  |
| Weight (kg) |  |
| Starter Type |  |
| Starter Make |  |
| Starter Model |  |
| Coil Voltage Rating (AC volts) |  |
| Thermal Overload Make |  |
| Thermal Overload Model |  |
| Current Range (Amps) |  |
| Current Setting (Amps) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Wet Well Washer

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Solenoid Present (Y / N) |  |
| Number of Sprinkler Valves |  |
| Voltage Rating (AC volts) |  |
| Power Rating (kW) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(Provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

* 1. Lifting Equipment

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Crane Type (jib, gantry) |  |
| Drive Type (mechanical, electrical) |  |
| Rated Capacity (kg) |  |
| Hoist/Chain Block Make |  |
| Hoist/Chain Block Model |  |
| Hoist/Chain Block Serial No |  |
| Hoist Block Capacity (kg)  |  |
| Trolley Make |  |
| Trolley Model |  |
| Trolley Serial No |  |
| Trolley Capacity (kg)  |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction))*** | Installation photo (insert below):***(provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. PRESSURE MAINS
	1. Pressure Main

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Pressure Main Description |  |
| Pressure Main Pipe Material |  |
| Pressure Main Diameter (DN) |  |
| Pressure Main Volume (kl/100m) |  |
| Pressure Main Volume (kl total) |  |
| Pressure Main Pipe Length (m) |  |
| Pressure Main Discharge Point |  |
| Education / Scour Present (Y / N) |  |
| Air Valves Present (Y / N) |  |
| Discharge Location |  |
| Other |  |

* 1. Pressure Main Eduction Point

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Connection Type (i.e.: camlock) |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |

1. OEM / NON-STANDARD EQUIPMENT

|  |  |
| --- | --- |
| Attribute / Data Requirement | As Constructed Information |
| Equipment ID (Ref: AM2714, App B) |  |
| Location incl. plant area (e.g.: inlet works) |  |
| Make |  |
| Model |  |
| Serial Number |  |
| Other |  |
| Name plate photo (insert below):***(provide a photo of the equipment’s name plate, see photo instructions at the front of this document for how to do that. Delete this instruction)*** | Installation photo (insert below):***(provide photo(s) of the equipment in its installed location. As much as practical, indicate the equipment’s size, operating environment and its location relative to other notable items. Delete this instruction)*** |