

SEQ Water Supply and Sewerage Design & Construction Code

SEQ Accepted Infrastructure Products and Materials

SCHEDULE OF AMENDMENTS

Amendment No.8 – May 2017



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Schedule of Amendments to SEQ Accepted IPAM Lists (Changes from January 2017 Version to May 2017 Version)

| SEQ Accepted Civil IPAM List | |
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| Products | Change |
| Category: Sewerage Pipes and Fittings- Non Pressure | |
| DI pipe | Deleted condition of "Use is subject to acceptance by SP" for Saint-Gobain's Integral Zinalium DI pipe for QUU, therefore QUU's overall condition of "Accepted in applications where DI pipe is specified e.g. building over sewer applications" applies to all the three suppliers. Added in Col B a new CI4.5 as per WSAA product specifications. Added in Col B "and WSAA TN6" next to WSA PS-200. |
| PE Fittings - Moulded | Added newly accepted brand of Fusamatic supplied by Fusion Group/FusionPlast for QUU, with conditions of "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP". |
| CC-GRP (centrifugally cast) pipe and Fittings - Sewer Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| FW-GRP (filament wound) pipe and Fittings - Sewer Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| CC-GRP (centrifugally cast) pipe and Fittings - Jacking Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| FW-GRP (filament wound) pipe and Fittings - Jacking Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| Non-return valves | A new product item created for UW. |
| Category: Sewerage Pipes and Fittings - Pressure | |
| DI pipe | Added pipe classes of "PN35 with CAC lining, Flange Class with CAC lining" in Col F for Saint-Gobain's Integral Zinalium pipes as a common requirement. |
| DI fittings - bends, tapers, tees/branches, connectors, risers & caps/blank ends | Changed the title of this product from "DI fittings" by adding all the details of fitting types. |
| PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe | Added a new product item. GCWW has accepted this product on case by case basis. |
| PE Fittings | Added newly accepted brand of Fusamatic supplied by Fusion Group/FusionPlast for QUU, with conditions of "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP". |
| Stainless Steel Pipe | Added "Use is subject to acceptance by SP" for UW. |

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| Resilient seated gate valves, thermal bonded polymeric coating | Changed that QUU and RCC now accept AVK series 570 resilient seated gate valves. Changed that RCC now accepts Daemco resilient seated gate valves. |
| Ball Valves | Re-arranged Col B as per WSAA product specifications. Added "suitable for sewage" in Col F as a common requirement. |
| CC-GRP (centrifugally cast) pipe and Fittings - Sewer Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| FW-GRP (filament wound) pipe and Fittings - Sewer Pipe | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| Category: Sewerage Miscellaneous Items | |
| Maintenance structure covers, frames and risers | Added in Col B Cl4.13 "by Standards". |
| Ladders | Re-arranged Col B as per WSAA product specifications. |
| Maintenance Shaft PVC | A MS type named Central Axis MS (CAMS) which is an assembly of two or three pieces is not included in the acceptance. Added the following into the Col F: "Configurations of "Central Axis" maintenance shaft (CAMS) are not accepted" Re-arranged Col B as per WSAA product specification |
| Maintenance Shaft PE | Re-arranged Col B as per WSAA product specification |
| Maintenance Shafts Polypropylene - DN225 and DN300 risers | WSAA product specification number 337 is for DN425 to DN600 MS whereas 341 is for DN225 to |
| PVC-U SN8 long radius bends | Re-arranged the Col B as per WSAA product specifications. |
| Detectable marker tape | Added "For open-cut construction" in Col F. |
| Tracer wire | Added new product item supplied by Tapex for LCC and QUU. |
| Casing Spacers | Added a new product item supplied by kwik-ZIP for GCWW, LCC, QUU and UW. |
| Category: Water Supply Pipes – Pressure | |
| DICL pipe | Added pipe classes of "PN35, Flange Class" in Col F as a common requirement for Saint-Gobain's HydroClass Zinalium pipes. Changed QUU's condition of "Use is subject to acceptance by SP" to "Only accepted where PE is unsuitable. Seal coating required for all sizes" for Saint-Gobain's HydroClass Zinalium pipes. Deleted "WSAA TN6" for the first line of Col B. Re-arranged Col B as per WSAA product specifications |
| PE pipe | Added "Use is subject to acceptance by SP" for ACP pipes for GCWW. It is not a GCWW approved brand and this condition was missed from last IPAM update by mistake. |

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| PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe | Added a new product item. GCWW has accepted this product with size as per code specified. |
| CC-GRP (centrifugally cast) pipe and Fittings - Water main | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| FW-GRP (filament wound) pipe and Fittings - Water main | Changed GRP pipes by putting CC-GRP and FW-GRP separately. Corrected pipe size ranges and product brands. Re-arranged Col B as per WSAA product specifications. |
| Stainless Steel Pipe | Added "Use is subject to acceptance by SP" for UW. |
| Category: Water Supply Fittings – Pressure | |
| Lightweight DI bends, tees/branches & connectors | Re-arranged Col B as per WSAA product specifications. |
| Resilient Seated Gate Valves, thermal bonded polymeric coating. | Changed that QUU and RCC now accept AVK Series 570 Resilient Seated Gate Valve. Changed that RCC now accepts Daemco Resilient Seated Gate Valve. |
| Butterfly Valves | Changed GCWW acceptance status for Challenger—GCWW accepted wafer or lugged DN50 to DN300 of Challenger butterfly valves. |
| Valve box & cover C.I. | Added a note for GCWW in Col G "Water Service Boxes for footpath and roadway shall be as per Item 41 of 11-133 and as shown on 11-134 of meter standard drawings". |
| Flange gaskets and 'O' rings | Re-arranged the Col B as per WSAA product specifications. Added "All WSA PS-312 compliant products are accepted" in Col C. |
| PE Fittings (for mains and large service pipes) | Added newly accepted brand of Fusamatic supplied by Fusion Group/FusionPlast for QUU, with conditions of "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP". Removed Cromford - Fusion Provida fittings as QUU claimed that the product is replaced by Fusion Group – Fusamatic fittings. Added conditions of "Use is subject to acceptance by SP" for Fusion Group – Fusamatic fittings for GCWW and UW as required. Copied product status from Cromford – Fusion Provida to Fusion Group – Fusamatic for LCC and RCC. |
| Category: Water Services | |
| Tapping bands for DI & PVC pipes | Added that QUU also accepts use of RMC tapping band product on AC pipe. |
| Tapping saddle for PE - electrofusion | Added newly accepted brand of Fusamatic supplied by Fusion Group/FusionPlast for QUU, with conditions of "Spigot ended fittings, flanged tees and flanged saddles are not accepted by SP". Removed Cromford - Fusion Provida fittings as QUU claimed that the product is replaced by Fusion Group – Fusamatic fittings. Added conditions of "Use is subject to acceptance by SP" for Fusion Group – Fusamatic fittings for GCWW and UW as required. Copied product status from Cromford – Fusion Provida to Fusion Group – Fusamatic for LCC and RCC. |

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| Ball valves - Water Service | <p>Re-arranged Col B as per WSAA product specification.</p> <p>Changed condition from "Use is subject to acceptance by SP" to "NOT ACCEPTED BY SP" for QUU.</p> |
| Slip Coupling | <p>Added a new product item "Slip Coupling" for GCWW. Elster supplies both DN20 and DN25 whereas All Valve Industries, RMC and Strongcast supply only DN20.</p> <p>Added "Not Accepted by SP" for this product for UW.</p> |
| Transition couplers | <p>Added "AS/NZS4129, EN1254 or Equivalent" to the first line of Col B to show this item including both copper and plastic fittings. WSA PS-208 is for plastic fittings only.</p> <p>Added "AS/NZS4129, or equivalent" to Cl 2.(a) of Col B to make this clause complete.</p> <p>Added requirement of "Copper male fittings connecting to poly female fittings is not accepted" to Col F as a common requirement.</p> |
| PE mechanical compression fittings for Small Diameter Water Service pipes | <p>Added "AS/NZS4129, EN1254 or Equivalent" to the first line of Col B to show this item including both copper and plastic fittings. WSA PS-208 is for plastic fittings only.</p> <p>Added "or equivalent" to Cl 2.(a) of Col B to make this clause complete.</p> <p>Added requirement of "Push fit type is not accepted" to Col F as a common requirement.</p> |
| Meters - 20 mm (direct and sub-metering applications) | <p>Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns.</p> <p>Added "Use is subject to acceptance by SP" for RCC.</p> <p>Deleted Enware's 20mm ultrasonic meters Hydrus 171 Ehm5020vr from the list. It is not necessary to list this product as it wouldn't be specified by any SP.</p> <p>Added condition of "Horizontal orientation only. Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters." for RMC's multijet meters WM273MRP and WM281MRP for GCWW.</p> <p>Added WM202PD to the end of V100 model of Elster meter.</p> <p>Deleted RMC WM202PD meter as WM202PD is only a RMC internal part number for Elester V100 20mm meters.</p> |
| Meters - 25 mm (direct and sub-metering applications) | <p>Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns.</p> <p>Added "Use is subject to acceptance by SP" for RCC.</p> <p>Deleted Enware's 25mm ultrasonic meters Hydrus 171 Ehm5025vr from the list. It is not necessary to list this product as it wouldn't be specified by any SP.</p> <p>Added condition of "Horizontal orientation only. Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters." for RMC's multijet meters WM271MRP for GCWW.</p> <p>Added WM252PD to the end of V100 model of Elster meter.</p> <p>Deleted RMC WM252PD meter as WM252PD is only a RMC internal part number for Elester V100 25mm meters.</p> |

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| Meters - 32 mm (direct and sub-metering applications) | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Added "Use is subject to acceptance by SP" for RCC. |
| Meters - 40 mm (direct and sub-metering applications) | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Added "Use is subject to acceptance by SP" for RCC. Added condition of "Horizontal orientation only. Not permitted to be used for Hard Wired AMR systems utilising Reed Switches. Not to be used for sub-meters." for RMC's multijet meters WM402MRP for GCWW. Added condition of "Horizontal orientation only" for Itron FlostarM meters for GCWW. |
| Meters - 50 mm and larger (direct and sub-metering applications) | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Added "Use is subject to acceptance by SP" for RCC. Added "Use is subject to acceptance by SP" for Elster H5000 Woltmann, Itron FlostarM and Woltex and Sensus Meistream meters for GCWW. Added condition of "Horizontal orientation only" for RMC Woltman WST meter for GCWW. Changed QUU condition for Sensus Meistream meter to "Only accept Meistream Plus meter installed above ground with external top accessible (basket type) inline strainers". |
| Flowmeters | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. |
| Automatic Meter Reading (AMR) Systems (sub-metering applications) | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Changed QUU condition for Enware AMR to: "Only Reed switches from the meter manufacturer are accepted". Changed QUU condition for Halytech AMR to: "Only Reed switches from the meter manufacturer and repeaters supplied from the AMR supplier are accepted". Changed GCWW's general conditions to "Hard-wired systems only. Only Elster Reed Switches to be used. One DER (digital electronic read outs) panel per building." |
| Double check valve (DCV), Double check detector assembly (DCDA) | Changed the item title as show by deleting RPZs and using standard terminologies. Added AS/NZS 2845 to Col B. |
| Pre-assembled dual meter boxes | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Changed GCWW condition to "Install pre-assembled dual boxes as per SEQ-WAT-1106 set as well". |

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| Pre-assembled single meter boxes | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Changed GCWW condition to "Install pre-assembled single boxes as per SEQ-WAT-1106 set as well". |
| Sub-meter assemblies | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Re-arranged that GCWW accepts Elster and RMC assemblies. Added RCC now accepts Austworld SMK assemblies. Changed QUU condition for Austworld SMK to "Not Accepted by SP". Added conditions of "Slip Coupling not accepted" for UW. |
| Dual Check valves for Meter assemblies DN40 and Larger | Added "Shall comply with relevant SEQ SP water meter/sub-meter specification and/or policy" to Col F as a common requirement. Removed the similar requirements from SEQ SP's individual columns. Added condition of "Alternatively figure DC03 double check valves are acceptable" for GCWW. |
| Reduced pressure zone device (RPZD), Reduced pressure detector assembly (RPDA) | Changed the item title as show by using standard terminologies. |
| Category: Water Supply Miscellaneous Items | |
| Tracer wire | Added new product item supplied by Tapex for LCC and QUU. |
| Casing Spacers | Added a new product item supplied by from kwik-ZIP for GCWW, LCC, QUU and UW |
| Category: Emergency Storage Chambers | |
| Underground Storage Chamber | Removed GCWW conditions for Tank Solutions fibreglass tanks—GCWW has accepted the use of this tank for sewerage. |

| SEQ Accepted Mechanical IPAM List | |
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| Products | Change |
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| PUMPS | |
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| ACTUATOR/ SOLENOID VALVES | |
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| MISCELLANEOUS ITEMS | |
| Title of this category | Changed the title of this category from: "MISCELLANEOUS ITEMS (See Civil list for Meters and Electrical List for Electromagnetic Flow Meters)" to "MISCELLANEOUS ITEMS (See Civil List for all Meters including Flow Meters)". |
| Protective external coating | Added "Use is subject to acceptance by SP" for GCWW. |

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| <p>Pump station covers</p> | <p>Changed title from “Covers” to “Pump station covers”. Changed Col F drawing reference from “SEQ-SPS-1304-0 to SEQ-SPS-1304-9” to “SEQ-SPS-1304 drawing set”. Added conditions of “Refer Standard drawings SEQ-SPS-1304-18 to SEQ-SPS-1304-29” for GCWW. Added conditions of “Refer Standard drawings SEQ-SPS-1304-0 to SEQ-SPS-1304-9” for UW.</p> |
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