SEQ Water Supply and Sewerage Design & Construction Code

SEQ Accepted Infrastructure Products and Materials

SCHEDULE OF AMENDMENTS

Amendment No.15 – October 2019

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

Schedule of Amendments to SEQ Accepted IPAM Lists
(Changes from July 2019 Version to October 2019 Version)

SEQ Accepted Civil IPAM List	
Document Structure Change	
Utility Name	Col J "QUU" has been changed to "Urban Utilities"
Notes	Updated 'Flange' note to include "AS4087 Fig B5 unless otherwise specified.
Category: Sewerage Pipes and Fittings- Non Pressure	
PVC-U pipe and fittings - DWV system	Removed Plastec product for section due to non-applicability
DI Pipe	Amended and Updated Col B's requirements
Steel Pipe	Updated Col B points 4.4 and 4.6 to 4.11 Updated Col F requirements Updated Col G CoGC to "Accepted OD610 or Larger" Updated Col J to Use is subject to acceptance by SP
Steel fittings – bends, tees and reducers	New product Category added, associated cols updated
PE pipe – NuSewers	Updated Col B requirements Updated Col F requirements
PE fittings – Moulded	Updated Col B requirements
PE fittings – Fabricated	Updated Col B requirements Added new manufacturer "Damos" trade name "HI-VIS" updated associated cols. Added new Manufacturer "Holtech" updated associated cols
Metal-banded flexible coupling	Updated col F requirements to "to connect to unrestrained PE Pipe. Fitting not designed to restrain thermal expansion/ contraction forces of PE pipework"
DI mechanical couplings - Non End Thrust Restraint	Updated Col E Size range to "DN100 & DN150" for "Derwent"
DI mechanical fittings - End Thrust Restraint (Gripper Type)	Moved product to Sewerage Pipes and Fittings - Pressure
Non-return valves	Updated Col E size range for "Hygrade Water" to "DN75 to DN1800"
Knife gate valve - Ductile iron body	Updated Col D for "AVK" products to "CYL"
Category: Sewerage Pipes and Fittings - Pressure	
DI Pipe	Updated Col B 4.4 to "All pipes to be Zn-Al alloy and epoxy coated. All fittings to be Fusion Bonded Polymeric Coated" Updated Col G requirements for CoGC
316 SS repair and flanged off-take clamps	Updated Col B point 4.1 to "Type R, Type F or Type R and Type F by SP approval" Added new Manufacture "Derwent" and updated associated cols Updated Col F to include "Daemco Clamp sizes DN80 (88-98), DN100 (121-

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

	130), DN150 (176-183), DN200 (231-238), DN225 (258-265), DN250 (285-290) and DN300 (344-353) are Type F and Type R, all other sizes are Type R only” Updated Col G CoGC for “Daemco” and “Derwent”
Flange (DI) off-take clamps	Updated Col F, Col G CoGC and Col K UW both accept the use of “Derwent”
DI mechanical couplings - Non End Thrust Restraint	Removed Col H LCC requirement for “AVK Supa-Gib Couplings” Updated Col H LCC requirement for “DEKS FLEXI-GIB” to “Use is subject to acceptance by SP. DN610 minimum size" Updated Col E for “Derwent” to “DN100 & DN150”
DI mechanical fittings - End Thrust Restraint (Gripper Type)	Moved product category from Sewerage Pipes and Fittings- Non Pressure, updated associated Cols.
PE pipe - High Stress Crack Resistant (HSCR) Polyethylene Pipe	Updated Col F to include “Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available.”
PE fittings - Moulded	Updated Col G for “Fusion Group / FusionPlast” to “Long Spigot fitting only accepted”
PE fittings- Fabricated	Updated Col B requirements
Full face PE flanges	Updated Col F for “Simona / Plasson” to “Metal insert in the flange, backing rings not required” Updated Col G CoGC for “Fusion Group / FusionPlast” to “DN90 slotted flange is not accepted” Updated Col B for “Rodney / Vinidex” product
Mechanical Restraining Flange for PE Pipe	New product Updated Associated Cols for “Derwent”
Steel pipe	Updated Col B points 4.4 and 4.8 to 4.11 Updated Col F to include “Coating to be fusion bonded polyethylene minimum. Lining to be fusion bonded polyethylene” Updated Col G CoGC to “Accepted OD610 or larger”
Steel fittings – bends, tees and reducers	New product Added manufacturers “Steel mains” and “Pipe Linging and Coating” updated associated Cols
Resilient seated gate valves, thermal bonded polymeric coating	Updated Col F requirements for “AAP Industries”, “Derwent Industries” and “Daemco” Added new Col B Requirements “WSA PS 283 PN16 resilient seated gate valves for under pressure line stopping application for water supply” for “Daepoong/ CNS Engineering” and updated associated Cols
Category: Sewerage Miscellaneous Items	
Maintenance structure covers, frames and risers	Updated Col B point 4.2 Updated Col G CoGC requirements to include “Approval of Class D subject to ultimate state load of 240KN as per AS3996:2019. Class E to be used for motorway locations as per AS3996:2019”
Maintenance shaft covers, frames and risers DN<=450	Updated Col G CoGC requirements

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

Maintenance hole lightweight composite lids and frames (non-corrosive)	Updated Col G CoGC requirements for “Terra Firma, ACO SAKU and Prime Composites”
Maintenance Shaft PVC	Updated col K UW requirements to “ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER”
Maintenance Shafts PE	Updated UW column to remove requirement
Maintenance Shafts Polypropylene	Updated col K UW requirements to “ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER”
Maintenance Chambers Polypropylene	REHAU changed Col H LCC to "Diameters > DN 600 subject to individual approval" Updated Col K UW requirements to “ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER”
Maintenance Chambers Polyethylene (PE)/PVC	Updated Col K UW requirements to “ACCEPTED FOR RIGGS NOT ACCEPTED FOR NUSEWER” Updated Col J UU requirements to “Note accepted by SP”
Pre-cast Maintenance Holes	Updated Col K UW to "Pre-cast MHs accepted for RIGSS Use of MS is subject to acceptance by SP Pre-cast MHs not Accepted for NuSewer"
Plastic Maintenance Holes	Updated Col B Requirements Added new manufacture “Rehau” and updated Col J requirements
Loose PE sleeving to DI pipe	Updated Col F requirements to include “Mandatory sleeving to all DI pipe unless DI pipe manufacturer supplier can guarantee it is not needed following comprehensive soil testing and risk assessment “
Embedment material - recycled concrete	Updated Col J to “Not Accepted by SP”
Gas release valves	Updated Col J to change “QUU to Urban Utilities”
PVC-U fully moulded SN8 and SN10 heavy duty junctions and bends	Added new manufacturer “Plastec” updated associated Cols Updated Col F to include “Heavy duty RRJ Junctions (45 degree) and bends (43, 45 and 88 degrees). SN rating (SN8 or SN10) and letters “Heavy Duty” (Super Duty) shall be imprinted on the surface of fittings.”
Security fencing	Updated Col J for UU to “Refer to SEQ SP for Requirements”
Kerb Markers	New product, updated associated cols
Category: Water Supply Pipes – Pressure	
DICL Pipe	Updated Col B point 4.4 to “All pipes to be Zn-Al alloy and epoxy coated” Updated Col J requirement to include “Accepted where PE is unsuitable for reticulation mains. Accepted for mains > 300 NB..”
SCL pipe	Updated Col B points 4.4, 4.8 to 4.10 Added new manufacturer “Pipe Linging and Coating” Updated SP Cols G to K with new requirements
PE pipe	Updated Col J UU to include “reticulation mains in single and dual water supply systems - PE shall be used for reticulation mains”
PE pipe - High Stress Crack Resistant (HSCR) Polyethylene	Updated Col F to include “Butt welded joints are mandatory for HDD construction where continuous pipes on coil are not available.”

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

Pipe	
Category: Water Supply Fittings – Pressure	
DI bends, tapers, tees/branches, connectors, risers & caps/blank ends	Updated Col E for “Derwent” to “DN100 & DN150”
DI mechanical couplings - Non End Thrust Restraint	Updated Col E for “Derwent” to “DN100 & DN150”
DI mechanical couplings - End Thrust Restraint (Gripper Type)	New Product category merged from “DI mechanical couplings - End Thrust Restraint (Gripper Type)”
Pretapped connectors	Updated Col K for UW to “Use of pretapped connectors is under review”
316 SS repair clamps, flanged off-take clamps & BSP tapping clamps	Added new manufacturer “Derwent” Updated Col F to include “Daemco repair clamps only accepted. .Clamp sizes DN80 (88-98), DN100 (121-130), DN150 (176-183), DN200 (231-238), DN225 (258-265), DN250 (285-290) and DN300 (344-353) are Type F and Type R, all other sizes are Type R only.” Updated Col G CoGC for “Daemco”
Flange DI off-take clamps	Updated Col F, Col G CoGC and Col K UW accept the use of “Derwent”
Resilient Seated Gate Valves, thermal bonded polymeric coating.	Updated Col F to include “All DI fittings to be wrapped” Updated Col F for “Betta, AAP Industries, Derwent and Daemco” to include “ All valves shall be restrained as per SEQ-WAT-1206-1. Valves that are not able to be restrained are not accepted” Added new manufacturer Daepoong/ CNS Engineering
Hydrant and Air Valve Isolating Valves	Updated Col B requirements Fixed manufacturer for Betta / Clover Pipelines Updated Col G CoGC
Valve & hydrant boxes (recycled plastics) & DI Covers	Updated manufacturers and added “Replas / Civil Pipes” Updated Col G CoGC requirements Moved applicable Valve & hydrant boxes to new “Valve & hydrant boxes (composite) & DI Covers” product category
Valve & hydrant boxes (composite) & DI Covers	Created new Product for “Valve & hydrant boxes (composite) & DI Covers Removed manufacturer “Civil Pipes” “Daemco” product. Updated Associated Cols
DI Restraint fittings (for PE) - couplings, flange adaptors, tees, bends, end caps	Merged into “DI mechanical couplings - End Thrust Restraint (Gripper Type)”
Steel fittings – bends, tees and reducers	Added new product and updated associated Cols
PE mechanical compression fittings for reduced size water mains	Added new Manufacturer ‘Viega” updated associated cols

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

PE Fittings - Moulded (for mains and large service pipes)	Updated Col G for “Fusion Group / FusionPlast” to “Long spigot fitting only accepted” updated Col G for “NUPIGECO” to “Use is subject to acceptance by SP”
PE fittings - Moulded - High Stress Crack Resistant (HSCR) Polyethylene (for mains and large service pipes)	Updated Col H LCC to “Accepted where PE pipes are approved to be used”
PE fittings – Fabricated	Updated col B requirements Updated Col H LCC requirements to “Accepted where PE pipes are approved to be used”
Full face PE flanges (for reticulation sizes)	Updated Col F and K requirements for “Simona/Plasson” to “Metal insert in the flange, backing rings not required” Updated Col G for “Fusion Group” Updated Col H LCC to “Accepted where PE pipes are approved to be used” Updated Col B for “Rodney / Vinidex”
PE scour Tees	Updated Col B requirements
Mechanical Restraining Flange for PE Pipe	New product “Mechanical Restraining Flange for PE Pipe” Added manufacturer “Derwent” updated associated cols
Flowmeter – Network Meter	Updated Col K UW for “E&H” to “Not accepted by SP”
Category: Water Services	
Tapping bands for PE – mechanical	Added new manufacturer “Viega” updated associated cols Updated Col G requirements for “Hawle / Hygrade Water and Derwent”
Tapping saddle for PE – electrofusion	Updated Col G CoGC requirements for “Hydroflow”
Transition couplers	Added new manufacturer “Viega” updated associated cols
PE mechanical compression fittings for Small Diameter Water Service pipes	Updated Col E sizes for “Elster and Zetco TOF” Added new manufacturer “Viega” updated associated cols
Flowmeters	Updated Col K for “E&H Electromagnetic and E&H Ultrasonic” to Not accepted by SP
Meter boxes	Added new manufacturer “All Valve Industries” updated associated cols
Category: Water Supply Miscellaneous Items	
Detectable marker tape	Updated Col G to K for “Wenac” to “Use is subject to acceptance by SP”
Loose PE sleeving to DI pipe	Updated Col F to include “Mandatory sleeving to all DI pipe unless DI pipe manufacturer supplier can guarantee it is not needed following comprehensive soil testing and risk assessment.”
Embedment material - recycled concrete	Updated Col J UU to Not accepted by SP
Embedment material - sand	Amended product name to be consistent with other IPAM naming
Security fencing	Updated Col J UU to “Refer to SEQ-SP for requirements”

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers

Kerb Markers	Updated Col B requirements
Valve pit access cover and frame	Updated Col B Points 4.8 and 4.10
Category: Emergency Storage Chambers	

SEQ Accepted Mechanical IPAM List	
Document Structure Changes	
Products	**Change**
PUMPS	
ACTUATOR/ SOLENOID VALVES	
MISCELLANEOUS ITEMS	

This document contains information which is proprietary to the SEQ service providers and may not be used for purposes other than those intended without written consent from the SEQ service providers