

# **SEQ Water Supply and Sewerage Design & Construction Code**

## **SEQ Accepted Infrastructure Products and Materials**

# **SCHEDULE OF AMENDMENTS**

**Amendment No.2 – August 2014**



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 November 2013 Version to August 2014 Version)

SEQ Accepted Civil IPAM List	
Products	Change
<b>Note:</b> Replaced 'Tyco' with 'Pentair' throughout the list.	
<b>Category: Sewerage Pipes and Fittings- Non Pressure</b>	
PVC-U pipe and fittings-DWV system	Column C: Added 'Pipemakers' as a new Supplier Column D: Added 'Pipemakers' as a Trade Name Column H and J: The use of this product subject to acceptance by SP.
DI pipe (New Row)	Column A: Added 'DI pipe' as a new row Column B: Added WSAA Product Specification Number with service provider specific requirements. Column C: Added 'Von Roll (Promains)' as a new Supplier Column D: Added 'Ducpur/Ecopur' as a Trade Name Column E: Added DN 80 – DN700 for size range Column F: Added 'Polyurethane internal protection' as Specified Requirements/Minimum Class Column H and I: Added a note "Use is subject to acceptance by SP" Column J: Added a note "NOT ACCEPTED BY SP".
Steel pipe (New Row)	Column A: Added 'Steel pipe' as a new row Column B: Added WSAA Product Specification Number with service provider specific requirements. Column C: Added 'Pentair' as a new Supplier Column D: Added 'Sintapipe' as a Trade Name Column F: Added 'Internal lining would be required, either Epoxy or Sintaline' as Specified Requirements/Minimum Class Column H and I: Added a note "Use is subject to acceptance by SP" Column J: Added a note "As per WSA PS-203".
<b>Category: Sewerage Pipes and Fittings- Pressure</b>	
PVC-M pipe	Column C: Added 'Pipemakers' as a new Supplier Column D: Added 'Pipemakers Environmain' as a Trade Name Column H and J: The use of this product subject to acceptance by SP.
PE fittings	Column B: Item 4.4 amended to 'Flanges & SS backing rings to AS/NZS 4087 Fig B5 or B7' Column C: Added 'Friatec' so it reads as 'Friatec/ Philmac' Column F: Added the text 'Stub flanges only to be used for sizes larger than reticulation sizes'
Full face PE flanges	<u>WSA PS 208-</u> Column B: Item 4.3 deleted. Item 4.4 amended to 'full Face Flanges & SS backing rings to AS/NZS 4087 Fig B5 or B7'. Items renumbered. Column C: Added 'Friatec / Philmac' as a new Supplier as part of WSA PS 208 Group Column D: Added 'Frialen' as a Trade Name for Friatec/Philmac Column E: Added 'DN80/DN100' for Plasson/Vinidex product. Added 'Up to DN 180' for Friatec/Philmac product. Column F: Amended to "Slotted flanges & backing rings suit both DN80 and

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

	<p>DN100 to WSAA 98/50” for Plasson/Vinidex product</p> <p>Added 'Metal insert in the flange, backing rings not required' for Friatec/Philmac product</p> <p>Column G, H, I, J and K: Add a note “Use is subject to approval by SP” for Friatec/Philmac product.</p> <p><u>WSA PS 216-</u></p> <p>Column F: Added a note “Full bore connection” for Rodney/Vinidex</p>
Resilient seated gate valves, thermal bonded polymeric coating	<p>Column C: Added 'Karon' next to 'Challenger'.</p> <p>Added 'AAP Industries' as a new supplier.</p> <p>Column D: Added 'Maxiflo' as trade name for 'APP Industries' and 'Karon' for 'Karon/Challenger'.</p> <p>Column E: Added 'DN80 to DN300' for 'APP Industries' and DN80-DN600 for 'Karon/Challenger'.</p> <p>Column F: Added 'WSAA Appraisal 11/26 Issue 2'</p> <p>Column I and J: Added a note “Use is subject to approval by SP” for 'APP Industries'.</p>
<b>Category: Sewerage Miscellaneous Items</b>	
Maintenance hole lightweight composite lids and frames (non-corrosive)	<p>Column C: Added 'ACO SAKU', 'Prime Composites' and 'Smartstream' as new Suppliers.</p> <p>Column D: Added 'Smartstream Top Hat' as trade name for 'Smartstream'.</p> <p>Column F: Added 'Class B' for 'ACO SAKU', 'Class D and Class B' for 'Prime Composites' and Class B' for 'Smartstream'.</p> <p>Column G: Amended the text to “Non-Corrosive MH lids and frames are required for Discharge Manholes and all Manholes for sewers DN300 and larger”.</p> <p>Column H, I and J: Added a note “Use is subject to approval by SP” for these three new added products.</p> <p>Column K: Added a note “Use is subject to approval by SP” for 'Prime Composites'.</p>
Ladders	<p>Column B: Deleted items 4.3, 4.4, 4.7 and 4.9. The existing items renumbered.</p> <p>Column F: minor corrections to this column</p>
Plastic Maintenance Holes (New Row)	<p>Column A: Added 'Plastic Maintenance Holes' as a new row.</p> <p>Column B: Added 'No WSA-PS, Refer details of Type K1 on SEQ-WAT-1314-2'.</p> <p>Column C: Added 'Smartstream' as a new Supplier.</p> <p>Column E: Added DN 150 – DN300 for size range.</p> <p>Column F: Added 'Refer Standard drawings' as Specified Requirements/ Minimum Class.</p> <p>Column H to K: Added a note “Use is subject to acceptance by SP”.</p>
Gas release valves	<p>Column C: Added 'Vent Master' as a new Supplier</p> <p>Column D: Added 'Vent Master PX' as a Trade Name</p> <p>Column G: Amended the text to “DN225 and larger mains to only use Vinloc-Smartvalve”</p> <p>Column J: Amended the note to read as “See drawing SEQ-SPS-1605-1 for standard gas release valve arrangement (manual operation). When QUU requires an automatic gas release valve, Vent Master PX is accepted. Use of others is subject to acceptance.”</p>

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

Non-return valves - Swing check with counterweight lever arm	<p>Column C: Added 'AVFI Pty Ltd' as a new Supplier. Other minor corrections to this cell.</p> <p>Column D: Added 'AVFI-RSFC' as a Trade Name. Also other minor corrections to this cell.</p> <p>Column E: Added DN50- DN300 for AVFI-RSFC. Other minor corrections to this cell.</p> <p>Column G: Added a note 'AVFI not accepted by SP'.</p> <p>Column H: Added a note "SP only accepts Non-Return Valves with Lever arm and Counterweight - Lever to directly control swing check for open and close. Use of valves that do not meet this requirement is subject to case by case approval by SP".</p> <p>Column J: Added a note "Use of AVFI is subject to approval by SP".</p>
<b>Category: Water Supply Pipes - Pressure</b>	
PVC-M pipe	<p>Column C: Added 'Pipemakers' as a new Supplier</p> <p>Column D: Added 'Pipemakers Enviromain' as a Trade Name.</p> <p>Column E: Added DN 100 – DN300 for size range</p> <p>Columns I and J: Added a note 'Use of Micron Pipe is subject to approval by SP'.</p>
<b>Category: Water Supply Fittings - Pressure</b>	
Pretapped connectors	<p>Column B: Added WSAA PS 246 for '4N Products &amp; Stockbrands'.</p> <p>Column F: Added 'WSAA Appraisal 12/18' for '4N Products &amp; Stockbrands'.</p>
Resilient seated gate valves, thermal bonded polymeric coating.	<p>Column C: Added 'Karon' next to 'Challenger'. Added 'AAP Industries' as a new supplier.</p> <p>Column D: Added 'Karon' for 'Karon/Challenger' and 'Maxiflo' as trade name for 'APP Industries'.</p> <p>Column E: Added 'DN80-DN600 for 'Karon/Challenger' and 'DN80 to DN300' for APP Industries.</p> <p>Column F: Added 'WSAA Appraisal 11/26 Issue 2' for AAP Industries.</p> <p>Columns I and J: Added a note "Use is subject to approval by SP" for AAP Industries valves.</p>
Butterfly Valves (New Row)	<p>Column A: Added a new product 'butterfly valves' to the list.</p> <p>The rest of columns populated accordingly.</p> <p>Columns H, I and J: Added a note "Use is subject to approval by SP".</p>
PE mechanical compression fittings for Small Diameter Water Service pipes	<p>Column C: Added 'Iplex' and 'Pentair' to the list of suppliers.</p> <p>Columns H and J: Added a note "Use of Iplex and Pentair are subject to approval by SP".</p>
PE Fittings – couplings, tees, bends, elbows/ adjustable end caps, saddles, reducers for mains and large service pipes	<p>Column C: Added 'Friatec / Philmac' as a new Supplier</p> <p>Column D: Added 'Frialen' as a Trade Name for Friatec/philmac</p> <p>Column F: Added the text "Stub flanges only to be used for sizes larger than reticulation sizes".</p> <p>Column G and H: Added a note "Accepted for DN63 and DN 110".</p> <p>Column I and J: Added a note "Use is subject to approval by SP".</p> <p>Column K: Added a note "NOT ACCEPTED BY SP".</p>
Full face PE flanges (for reticulation sizes)	<p>Column A: Amended from 'PE flanges' to 'Full face PE flanges (for reticulation sizes)'</p> <p>Column C: Added 'Friatec / Philmac' as a new Supplier as part of WSA PS 208 Group</p>

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

	<p>Column D: Added 'Frialen' as a Trade Name for Friatec/philmac.</p> <p>Column E: Added 'DN80/DN100' for Plasson/Vinidex product.</p> <p>Added 'Up to DN 180' for Friatec/philmac product.</p> <p>Column F: Added 'Metal insert in the flange, backing rings not required' for Friatec/philmac product. Amended the text for Plasson/ Vinidex to read as 'DN90 riser with slotted flanges suits both DN80 &amp; DN100 hydrants to WSAA 98/50'.</p> <p>Columns G to K: Added a note "Use is subject to approval by SP".</p>
Non-return valves	<p>Column C: Added 'AVFI Pty Ltd' as a new Supplier. The Cell tidied up further.</p> <p>Column D: Added 'AVFI-RSFC' as a Trade Name. The Cell tidied up further.</p> <p>Column E: Added DN50- DN300 for AVFI-RSFC. The Cell tidied up further.</p> <p>Columns G and J: Added a note 'AVFI not accepted by SP'.</p> <p>Column H: Added a note '...and other valves without lever arm NOT ACCEPTED BY SP'</p>
Pressure reducing valves	<p>Columns C: Added Cla-Val Pacific /Challenger as a new Supplier and the cell further developed.</p> <p>Column D: Added Cla-Val as a trade name and the cell further developed.</p> <p>Column E: Added DN 25 – DN1200 for size range</p> <p>Columns G to K: Added a note for all pressure reducing valves that 'Use is subject to acceptance by SP'.</p>
Pressure sustaining valves and altitude valves	<p>Columns C: Added Cla-Val Pacific /Challenger as a new Supplier and the cell further developed.</p> <p>Column D: Added Cla-Val as a trade name and the cell further developed.</p> <p>Column E: Added DN 25 – DN1200 for pressure sustaining valves and DN 80 – DN1200 for altitude valves.</p> <p>Columns G to K: Added a note for all pressure sustaining and altitude valves that 'Use is subject to acceptance by SP'.</p>
<b>Category: Water Services</b>	
Tapping bands for DI & PVC pipes	<p>Column B: Deleted the reference to WSA Appraisal 06/03</p> <p>Column F: Added "WSAA Appraisal PA10/18" to existing note for 4N Products</p> <p>Column I : Added a note 'SP USE ONLY' for 4N Products</p>
Tapping bands for PE - mechanical	<p>Column B: Deleted the reference to WSA Appraisal 06/03</p> <p>Column C: Added Hawle (Hygrade Water)</p> <p>Column D: Added Haku as a Trade name</p> <p>Column E: Added Size Range DN63–DN315 for Ductile iron lower half and DN 250–DN 630 for Stainless steel strap lower half Haku product.</p> <p>Column F: Added 'Ductile iron lower half' and 'Stainless steel strap lower half'. Also the text amended for 4N Products to "Positive stops, coloured black. Only for where E-F saddles are not practicable WSAA Appraisal PA10/19". The text amended for Gatic/Elster to "Gunmetal - Positive stops Only for where E-F saddles are not practicable"</p> <p>Column I: Added the note "SP USE ONLY" for 4N Products, Gatic and Elster and Haku products.</p> <p>Columns H and J: Inserted a note 'use subject to acceptance by SP' for both Haku products.</p> <p>Column K: Inserted a note "NOT ACCEPTED BY SP" for Stainless steel strap lower half Haku product.</p>

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

Tapping saddle for PE - electrofusion	<p>Column C: Added 'Friatec / Philmac' as a new supplier.</p> <p>Column H: Replaced the existing note with "SP USE ONLY"</p> <p>Columns J and K: Added the note "Use of Friatec product is subject to acceptance by SP"</p>
Ball valves – Water Service	<p>Column B: 274.2 (a) - Deleted the reference to AS3688 and DR AS 5830.1.</p> <p>Column C: Added 'Cimberio/Strongcast' as a new supplier.</p> <p>Column D: Added 'Strongcast' as Trade name for Strongcast.</p> <p>Column H, I and J: Added a note "Use of Strongcast products are subject to acceptance by SP"</p>
Transition couplers	<p>Column C: Added 'Friatec / Philmac' as a new supplier.</p> <p>Columns H, I, J and K: Added the word "Use of Friatec product is subject to acceptance by SP"</p>
Meters- 50mm and larger (direct metering applications)	<p>Column C: ABB deleted from this column and moved to IPAM Electrical List.</p> <p>Column D: 'Aquamaster' deleted from this column and moved to IPAM Electrical List.</p>
Meters - 50 mm and larger (sub-metering applications)	<p>Column C: ABB deleted from this column and moved to IPAM Electrical List.</p> <p>Column D: 'Aquamaster' deleted from this column and moved to IPAM Electrical List.</p>
Meter boxes - 20 mm	<p>Column C: Added 'Strongcast' as a new supplier</p> <p>Column H and I: Added the note "Use of Strongcast meter box is subject to acceptance by SP"</p>
Sub-meter assemblies	<p>Column C: Added 'All Valve' as a new supplier.</p> <p>Column D: Added 'SMA20M' as Trade name for All Valve</p> <p>Column G and H: Amended to "Only install approved sub-meter assembly SMA20M as per CoGC Sub-Meter Guideline"</p> <p>Column I: Added the note "Use of SMA20M subject to acceptance by SP"</p> <p>Column K: Added a note "AMA20M NOT ACCEPTED BY SP"</p>

### SEQ Accepted Electrical IPAM List

The following general notes added at the beginning of the SEQ Accepted Electrical IPAM List.

**Notes:**

This list has been compiled from the experience of the electrical teams of the five SEQ water service providers. The list is not exhaustive. New products are regularly being released on to the market. If a product is not listed then check its suitability with the SEQ water service provider and consider lodging a Product Appraisal Request Form which can be downloaded from [www.seqcode.com.au/products](http://www.seqcode.com.au/products).

Blank cells do not indicate that any product is acceptable. Blank cells generally indicate that the SEQ water service provider has not yet seen the need to specify a particular product. If in doubt check over the suitability of a product then check with the SEQ water service provider.

Product Type	Change
Annunciator Panel/ Operator Panel	City of Gold Coast Column: Typo error. Magells Model ABC123 corrected to Magelis Model ABC123
Poles - Antenna	City of Gold Coast Column: Polo Pty Ltd replaced with INGAL RIVERTON
Poles - Lighting	City of Gold Coast Column: Polo Pty Ltd replaced with INGAL RIVERTON
RTU-Water	City of Gold Coast Column: Added MIRI. So the updated cell is RAD-TEL Series 5000, 8000, 3000, MIRI
Soft Starters	City of Gold Coast Column: Updated the cell with Telemecanique/Schneider Altistart 48 /TeSys U, (with programming software).

<b>SEQ Accepted Mechanical IPAM List</b>	
<b>Products</b>	<b>Change</b>
<b>PUMPS</b>	
Submersible Sewage Pump Station/ Lift Station Pumps	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name of pumps relevant to each manufacturer/supplier Column K: Amend the cell to read as 'New pump station installations are to be fitted with Forrers duckfoot bends with Forrers locking plates fitted to the pump discharge flange. Unitywater does not accept Homa pumps. 'Use of Hidrostal pump is subject to acceptance by SP'
Submersible sewage pump with grinder	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name of pumps relevant to each manufacturer/supplier
Vacuum sewage discharge pump	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name
Helical rotor pump (Progressive Cavity Pump)	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name
Self priming sewage pump	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name relevant to each manufacturer/supplier Column K: Added 'Use of Rotary Lobe Pumps is subject to acceptance by SP'
End-suction centrifugal water pumps	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name relevant to each manufacturer/supplier
Axially split-casing centrifugal water pumps	Column C: Updated the list of manufacturers/suppliers Column D: Added the trade name relevant to each manufacturer/supplier
Multistage centrifugal water pumps	Column D: Added the trade name relevant to each manufacturer/supplier
<b>ACTUATOR/ SOLENOID VALVES</b>	
Electrical Actuator	Column D: Added the trade name relevant to each manufacturer/supplier
Solenoid Valve	Column D: Added the trade name relevant to each manufacturer/supplier
<b>MISCELLANEOUS ITEMS</b>	
Covers	Column C: Added the word 'Stainless' in front of 'Southeast' Column D: Added the trade name relevant to each manufacturer/supplier
Void protection system	Column A: Replaced 'Void protection system' with Temporary barricade system Column F: Added general requirement Column F: Amended the specific requirements Column J: Added QUU requirement "Use is subject to acceptance by SP"
Fall arrestor safety anchor	Column A: Replaced 'Fall arrestor safety anchor' with 'Fall-arrest anchorage point'. Column C: Updated the list of manufacturers/suppliers Column F: Amended the specific 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



	<p>Column J: Added QUU requirement "Use is subject to acceptance by SP"</p> <p>Column K: Added Unitywater's requirement</p>
Davit base	<p>Column C: Updated the list of manufacturers/suppliers</p> <p>Column D: Replaced 'Davit base assembly' with 'SALA'.</p> <p>Column F: Added general requirement</p> <p>Column F: Added specific requirements for this product.</p> <p>Column J: Added QUU requirement "Use is subject to acceptance by SP"</p>
Portable davit, complete with emergency retrieval self retracting lifeline	<p>Column A: Added as a new product.</p> <p>Column C: Added the list of manufacturers/suppliers</p> <p>Column D: Added SALA as a trade name.</p> <p>Column E: Added the size range</p> <p>Column F: Added specific requirements for this product</p> <p>Column J: Added QUU requirement "Use is subject to acceptance by SP"</p>