

Sewerage Pumping Station Code of Australia

Requirement	Clause
Materials approved for use in PWC systems are listed in the PWC document 'Water and Sewerage Supply Infrastructure Products Manual' and any additional requirements specified in the 'Water Supply and Sewerage Construction Master Specification'.	16.1
Application for use of alternative materials may be submitted to PWC for approval however processing of such applications may take some time and may be rejected at the discretion of PWC.	
The default purchase specification shall be taken as the PWC 'Water Supply and Sewerage Master Specification' which references the 'Water Supply and Sewerage Infrastructure Products Manual'.	16.3.4
Replace Table 16.1 with Table 16.1(NT) below.	Table 16.1
Refer to PWC 'Water and Sewerage Products Manual' for approved DN's, pipe classes, jointing methods and fittings.	
Use of PE pipe requires specific PWC written approval.	
Use of PE pipe requires specific PWC written approval.	Table 16.2

TABLE 16.1(NT)
PRINCIPAL PRESSURE MAINS AND COMPONENTS

PIPE		CONVENTIONAL PIPE SIZES (DN)	TYPICAL PIPE CLASSES	JOINTING METHODS	FITTINGS
PVC-M (cream or light grey [■])		Series 2 100, 150, 200, 225, 250, 300, 375	PN 16, 20	Rubber Ring	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
PVC-O (cream or light grey [■])		Series 2 100, 150, 200, 225, 250, 300	PN 16, 20	Rubber Ring	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
GRP		300, 375, 450, 525, 600, 675, 750 Note that 525 and 675 are not preferred sizes	SN10000 PN 10, 16, 20	GRP collar with rubber ring Flanged	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
PE100 (cream or black with cream stripes ^{1■}) PE80B may be used with written approval of PWC		Various from DN25 to DN630	PN 12.5, 16, 20	Mechanical Electrofusion Butt fusion	Compression fittings (to DN63) Electrofusion fittings (DN110 – DN450) Flanged fittings
Permitted for use in Alice Springs, Kings Canyon and Yulara Use at other centres only with specific PWC written approval					
DI ²	Calcium aluminate cement mortar lined	100, 150, 200, 225, 250, 300	Class PN20 Class PN35 Flange Class (for flanged pipe)	Rubber Ring Rubber ring with joint restraint (100-375) Flanged	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
Steel ²	PE coated and lined	100 to 1800	Various according to specified wall thickness	Rubber Ring	Steel as per pipe barrels – must be factory fabricated
	PE coated and calcium aluminate cement mortar lined			Welded Flanged	

- Blue or blue striped pipes must not be used for sewerage pressure mains
- 1 Solid cream external colour is strongly preferred
- 2 Not preferred – to only be used with PWC written approval