Water for All
Conserve, Value, Enjoy
PUB



Enhancements to the Procedure for Water Service Work

Outline of Presentation

- Current Procedure for Water Service Work

- Enhanced Measures to the Current Procedure for Water Service Work

Current Procedure for Water Service Work

- Since Nov 2001, a simplified procedure for water supply application was adopted by PUB

Water service workers to notify PUB before commencement of work via Notification of Water Service Work form

Water service workers to certify that water service installation is completed according to Act, Regulations, etc after completion via Certificate of Satisfactory Completion of Water Service Work (CSC) form

Enhanced Measures to the Current Procedure for Water Service Work

1. Enhancements to the existing Notification of Water Service Work and Certification of Satisfactory Completion forms

2. Indication of joining methods in schematic drawings

3. Enhanced water sampling by PEs/LPs for new developments

Targeted timeline for implementation:

For all notification of water service work submitted to PUB from <u>Q3 2016</u>

Enhancements to the Existing Notification of Water Service Work and Certification of Satisfactory Completion forms

Notification of Water Service Work by Licensed Water Service Plumber
(To be submitted as early as possible before commencement of work)
To : Director, Water Supply (Network) Department Date :

*Notification No:		*Customer No:	
Project Description			
Location	Lot / Plot No Address		

Nature of Work (Please tick where applicable):

New Service	( )	Extension	( )	Upgrading of meter	( )
Relay Service	( )	Sub-meter	( )	Relocation of meter	( )
Additions /Alterations	( )	Repair	( )	Cleaning & Sterilisation of Water Storage Tank	( )
Temporary Supply	( )	Others _____	( )		

Estimated Water Requirement (m^3/mth)	PUB Water (m^3/mth)	
	NEWater (m^3/mth)	
Commencement Date :	Expected Completion Date :	
Platform Level of Development (mRL)		
Reduced Level of Highest Direct Supply Water Fitting (mRL)		

Particulars of Customer

Name			
Name of Company			
Address			
Tel No		Fax No	

Particulars of Licensed Water Service Plumber

Name			
Residential Address			
Mailing Address (if different from above)			
Tel No (O)		Tel No (H)	
Fax No		Pager / HP No	
Licence No		I/C No	

I, the undersigned, hereby certify that the water service installation at the premises is designed in full compliance with the Public Utilities Board's requirements including the Public Utilities (Water Supply) Regulations, Singapore Standard CP 48 - Code of Practice for Water Services, other Authorities' requirements and other statutory requirements. I also confirm that potable water storage tanks shall not be located below sanitary pipes and other non-potable water pipes. All the water fittings to be installed in the water service installation are of types that comply with standards prescribed / stipulated by PUB and all water conservation measures will be adopted.

2. The site plan, the water schematic drawings and the breakdown of water requirement, if any, of the above development are attached herewith.

Signature of Licensed Water Service Plumber
* For official use only.

Layout to be changed

Certificate of Satisfactory Completion of Water Service Work By Licensed Plumber

To : Director, Water Supply (Network) Department Date :

Notification No			
Project Description*			
Location	Lot / Plot No Address		
Commencement Date :		Completion Date :	
Water Utility Account No			

Particulars of Licensed Plumber

Name			
Residential Address			
Mailing Address (if different from above)			
Tel No (O)		Tel No (H)	
Fax No		Pager / HP No	
Licence No		I/C No	

*Note – For cleaning and sterilisation of water storage tanks, a copy of the PUBWT01 – Inspection & Certification of Water Storage Tanks duly completed and certified must be attached.

I, the undersigned, confirm that, to the best of my knowledge and belief, the water service installation work was carried out in accordance with the Public Utilities Board's requirements including the Public Utilities (Water Supply) Regulations, Singapore Standard CP 48 – Code of Practice for Water Services, Authorities' requirements and other statutory requirements. I also confirm that potable water storage cisterns have not been located below sanitary pipes and other non-potable water pipes. All the water fittings installed in the water service installation are of the types that comply with standards prescribed / stipulated by PUB and all water conservation measures have been adopted. I further certify that the said water service installation and the associated electrical devices and equipment have been tested and are safe and acceptable for operation.

Signature of Licensed Water Service Plumber

Indication of Joining Methods in Schematic Drawings

Schematic drawings to indicate clearly the joining methods (i.e. brazed joints, press fitting, compression joint, mechanical joint, etc)

PIPE MATERIALS, JOINTING AND TEST PRESSURES

EXTERNAL PIPES (BURIED OR EXPOSED)

NOMINAL BORE (mm)	MATERIAL	TYPE OF JOINTS	TEST PRESSURE
DIA 75 AND ABOVE	DUCTILE IRON TO BS EN545 WITH CEMENT INTERNAL LINING	FLANGED	1200 kPa
BELOW DIA 75	STEEL PIPES TO SS 367 WITH uPVC LINING	SCREW JOINTS TO BS 21 THREADS	

INTERNAL PIPES

NOMINAL BORE (mm)	MATERIAL	TYPE OF JOINTS	TEST PRESSURE
DIA 75 AND ABOVE	DUCTILE IRON TO BS EN545 WITH CEMENT INTERNAL LINING	FLANGED	700 kPa
BELOW DIA 75 (SUBJECT TO LOAD)	COPPER TUBES TO BS EN1057	CAPILLARY FITTINGS	
BELOW DIA 28 (EXPOSED)	COPPER TUBES TO BS EN1057	COMPRESSION FITTINGS	
BELOW DIA 75 EMBEDDED IN ALL FORMS OF MASONARY AND/OR NOT SUBJECTED TO LOAD	COPPER TUBES TO BS EN1057	CAPILLARY FITTINGS	
HOSEREEL PIPES (ALL SIZES) AFTER THE HOSEREEL TANK	GALVANISED STEEL	SCREW JOINTS TO BS 21 THREADS	1200 kPa
HYDRANT PIPES (ALL SIZES)	DUCTILE IRON TO BS EN545 WITH CEMENT INTERNAL LINING	FLANGED	

(ALL WATER FITTINGS USED IN WATER SERVICE INSTALLATION SHALL COMPLY WITH STANDARDS STIPULATED BY PUB)

Typical indication of water fitting material in schematic drawings

Enhanced Water Sampling by PEs/LPs for New Developments – Developments with Potable Water Tanks

Existing Requirements

- CP 48 stipulated for water service worker to carry out chemical and bacteriological analyses for potable water tanks upon cleaning and sterilisation of water tanks, before putting the tanks to use
- CP 48 also stipulated chemical and bacteriological analyses to be carried out for service pipes upon cleaning and sterilisation

Enhancement

- In addition to the existing requirements, water service workers are to conduct water sampling for **at least one potable water tank and one tap/mixer per development** in accordance with the sampling parameters stipulated by PUB, upon the cleaning and sterilisation of the water service installations.
- The water sampling shall be carried out by water service workers **prior to the application of the Temporary Occupation Permit (TOP) for the development**

Enhanced Water Sampling by PEs/LPs for New Developments – Developments w/o Potable Water Tanks

Existing Requirements

- CP 48 stipulated for water service worker to carry out chemical and bacteriological analyses for service pipes upon cleaning and sterilisation

Enhancements

- In addition to the existing requirements, water service workers are to conduct water sampling for **at least one tap/mixer per development development** in accordance with the sampling parameters stipulated by PUB, upon the cleaning and sterilisation of the water service installations.

- The water sampling shall be carried out by water service workers **prior to the application of the Temporary Occupation Permit (TOP) for the development**

Any query or feedback on the proposed enhancements to the existing simplified procedure for water supply?



Questions & Answers

Thank You