

Potable Rainwater & Storage Tank

Last Issue Date: 21/03/2018		Type Of Service				
		A	B	C	D	E
Activity		A	B	C	D	E
1	Where a UV unit is installed (Items 2-8):	Y		Y	Y	Y
2	If the UV unit has no alarm, check that it is operating correctly. (Note: This service to be undertaken by the site and recorded in the logbook. Frequency is weekly for DECD sites and daily for other sites).	Y		Y	Y	Y
3	Test for E coli by taking a water sample after the UV unit at the point of use.			Y	Y	Y
4	a) Check the condition and operation of the UV unit including for any leaks or faulty connections. b) Check the sleeve of the UV unit and clean if necessary.			Y	Y	Y
5	Check the condition of the electrical connections including for security, tightness, contact & corrosion.			Y	Y	Y
6	If present check the filter to the UV unit and replace if necessary.			Y	Y	Y
7	Replace the UV lamps. (Note: This may need to be done 6 monthly depending on manufacturer's requirements and site conditions).				Y	Y
8	Additional UV unit checks: a) Check the condition and operation of any optional fittings to the UV unit e.g. lamp life run counter, lamp change alert, UV intensity monitor, thimble wiping system, over temperature protection, and remote lamp failure indication; and b) Check the warning signage is correctly located and visible.			Y	Y	Y
9	Where a UV unit is not installed: Undertake ongoing E-coli testing by taking a water sample at the point of use.		Y	Y	Y	Y
10	All installations (Items 11-18):			Y	Y	Y
11	RAINWATER TANK/S: a) Check that all external taps off the tanks are labelled "not for human consumption" or locked or blanked off. b) Above ground: Check the condition of the tank, roof, base, surrounds, valves, pipework, levels controls for operation looking for any leaks, damage & corrosion. c) Below ground: Check the valves, pipework and level controls for operation.			Y	Y	Y
12	Check & clean the downpipe filter at the connection to the gutter and at the tank. (Note: Gutter cleaning is required and is undertaken under PL27A. Advise the facility manager if this is not being done).			Y	Y	Y
13	Check and clean the overflow pipe filter and check that the overflow water is diverted away from the tank, buildings and other structures.			Y	Y	Y
14	Check inside tank for foreign matter & sludge built up.			Y	Y	Y
15	Check the cover is correctly fitted to the rainwater tank inspection opening and that it is screened to prevent the ingress of mosquitoes.			Y	Y	Y
16	Check the lead levels in the water if requested by the site. Water is not to be used if the lead concentration is above 10 micrograms/litre, inform site.			Y	Y	Y

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For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia  
Department of Planning,  
Transport and Infrastructure

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17	Desludge the rainwater tank/s every 2-3 years (default) or as required by site conditions.					Y
18	Record all results in the logbook.	Y	Y	Y	Y	Y

**Special Comments and Technical Data**

A SERVICE BY SITES (WEEKLY FOR DECD AND DAILY FOR OTHERS)  
 B SERVICE MONTHLY (INCLUDE FOR INSTALLATION WITH NO UV UNIT)  
 C SERVICE 3 MONTHLY, D SERVICE ANNUAL  
 E SERVICE EVERY 2 YEARS  
 WHERE RAINWATER HAS BEEN CONTAMINATED BY A DEAD ANIMAL  
 CAREFULLY REMOVE THE ANIMAL & CHLORINATE AS PER PROCEDURE  
 FOR E.COLI DETECTION BELOW.  
 SEEK EXPERT ADVICE IF MOSQUITOES ARE A PROBLEM.  
 REMOVABLE MOSQUITO PROOF GAUZE SCREEN NOT COARSER THAN  
 1 MM APPERTURE MESH IS RECOMMENDED AT ANY OPENINGS TO  
 EXCLUDE MOSQUITOES.  
 IF GUTTER CLEANING REQUIRED, USE PL27A FOR THIS SERVICE.  
 WHERE CLEANING NECESSITATES ENTERING THE TANK, CARE SHOULD  
 BE TAKEN TO ENSURE ADEQUATE VENTILATION IS PROVIDED AND AN  
 ADDITIONAL PERSON IS IN ATTENDANCE.  
 NOTE: IF A POSITIVE RESULT FOR E COLI IS OBTAINED THE WATER  
 NEEDS TO BE DISINFECTED AS FOLLOWS:  
 USE 40ML OF LIQUID CHLORINE PER 1000 LITRES OF WATER OR 7  
 GRAMS OF GRANULAR CHLORINE PER 1000 LITRES OF WATER.  
 RETEST THE DAY AFTER THE TANK IS DISINFECTED.  
 \*POSITIVE E.COLI IF RESULT 1 OR ABOVE, NEGATIVE IF BELOW 1.  
 NOTIFY IMMEDIATELY THE DEPARTMENT FOR HEALTH AND AGEING  
 WATER QUALITY UNIT BY TELEPHONING 1300 558 657 AND SUBMIT  
 INCIDENT NOTIFICATION FORM WITHIN 24 HOURS IF:-  
 E.COLI DETECTED, UV FAILURE, CHLORINE RESIDUAL ABOVE  
 5MG/LITRE, WATER CONTAMINATED (E.G. DEAD ANIMAL IN TANK,  
 WASTEWATER DISCHARGE, FLOODING OR OTHER SURFACE WATER  
 INGRESS WHERE UNDERGROUND TANK OR PIPEWORK IS PRESENT) OR IF  
 ANY CONCERNS OVER WATER QUALITY.

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