

IPOS e-Bulletin

Issue 36 – January 2016

Happy New Year!

On behalf of SA Water's Business Relations Team we wish you a happy and safe 2016!

New IPOS Code of Practice now available

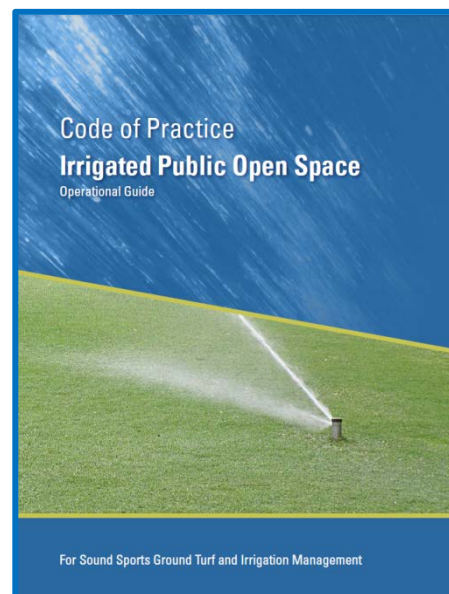
Comprehensive IPOS CoP available in hard copy and electronically

Following the launch and release of the new IPOS Operational Guide, the reviewed and updated new comprehensive IPOS Code of Practice is available [here](#).

The Code of Practice was supported by a wide range of industry professionals and funded through the Department of Water and Natural Resources (DEWNR), Adelaide and Mount Lofty Natural Resource Management Board (AMLR) and Murray Darling Basin Natural Resource Management Board (MDB).

The revised Code provides a template that can be used by open-space managers to ensure planning, management and reporting of water consumption in the urban environment is based on sound principals applied consistently across all levels of management.

The Code and support tools continue to be hosted by SA Water. If you would like a hard copy please contact us on the details in the banner below and we will mail you a copy.



Office for Recreation and Sport Leak Analysis Project

Sporting clubs benefit from water meter data logging project

In October 2015, the ORS engaged SA Water to deliver a Leak Analysis and Water Profiling project supporting some councils and sporting clubs improve their water management through utilising data logging technology to better understand how water is used on their site.

The project involved attaching data loggers to agreed water meter(s) and logging water consumption at two minute intervals for a defined period.

The analysis on the majority of sites revealed some form of continuous flow through the water meters for extended periods, indicating that leaks may be present. For example, a significant continuous flow was identified at Globe Oval in Port Pirie of approximately 4 litres per minute. The site was notified and after investigation a leaking irrigation pipe was identified and repaired. If the leak was left undetected, the costs of the wasted water could have been in excess of \$20 per day or over \$7000 per year. It was fortunate that Port Pirie Council staff were able to act quickly.



The project has reinforced the need for larger water consumers to:

- Read meters regularly or deploy smart meters to do this for you
- Investigate opportunities that will lead to cost savings, such as:
 - Access to recycled water where feasible
 - Upgrade to more efficient irrigation systems
 - Invest in smart metering technology
- Ensure irrigation is scheduled appropriately – do not set and forget!
- Maintain irrigation systems and regularly check for leaks by observing greener and/or damp spots on your turf as well as checking sprinkler heads and solenoid valves
- Regularly check clubroom amenities for leaks and repair quickly.

For more information about this project contact SA Water's Business Relations Team.

Tip of the Month

If you are using a water source that is not SA Water supplied drinking water to irrigate such as a bore or recycled water, it is worth periodically obtaining a water sample to determine the salinity as well as other important parameters to analyse the suitability of the water. Table 5.5 on page 33 on [the new IPOS Code of Practice](#) provides information on the desirable properties of water used for irrigation.

December Irrigation Requirement

Bureau of Meteorology (BoM)

Station	TQVS 1 (kL/Ha)		TQVS 2 (kL/Ha)		TQVS 3 (kL/Ha)		TQVS 4 (kL/Ha)	
	AIR	BIR	AIR	BIR	AIR	BIR	AIR	BIR
Adelaide Airport - 023034	2107	1740	1245	986	1029	797	814	608
Kent Town - 023090	1830	1637	1066	912	874	731	683	550
Mount Crawford - 023763	2182	1571	1282	856	1058	677	833	498
Noarlunga - 023885	2024	1697	1165	970	950	788	736	606
Parafield - 023013	2199	1823	1287	1032	1059	835	831	637

AIR is the 'Actual Irrigation Requirement' which is based on the current climate data.

BIR is the 'Base Irrigation Requirement' which is based on the average of the previous 7 years climate data.

Station	Rainfall (mm)		Eto (mm)	
	Current	Long term	Current	Long term
Adelaide Airport - 023034	8	23	246	216
Kent Town - 023090	13	28	218	207
Mount Crawford - 023763	11	35	257	204
Noarlunga - 023885	20	19	246	208
Parafield - 023013	13	25	261	186

Disclaimer:

SA Water's Business Technical Support provides recommendations and suggestions only. It is advised that further investigations are detailed studies are completed before any projects are implemented. All applicable standards & guidelines (Australian, EU, AQUIS, HACCP, Australian Drinking Water Quality Guidelines etc.) should be adhered to, and care should be taken to ensure water and wastewater minimisation programs do not negatively impact health or processing operations.