

IPOS e-Bulletin

Issue 38 – March 2016

Adelaide Desalination Plant

Facts, Figures and Touring options available for SA Water's largest desalination plant.

The desalination plant has now been in operation serving drinking water and providing security of supply to not only residential customers but also our key business customers since 2011.

How much water can the Adelaide Desalination Plant supply?

In full operation, the plant is capable of delivering 100 gigalitres (GL) per year. This is about half of Adelaide's annual water needs.

The plant's water production capacity is extremely flexible. The output of the plant can be as low as 10% or as high as 100% (in 10% increments).

The ADP's water production can:

- Increase or decrease in response to customer demand
- Increase in times of drought
- Decrease when the state experiences high rainfall
- Meet sudden need requirements in times of emergency

How much water is it currently producing?

- Water production to date (to end of December 2015) = approximately 131 billion litres
- Water production for last month (December 2015) = approximately 760 million litres



Tours Available

The Business Relations team would be happy to assist any of our business customers (or staff members) who would like to visit and tour the Adelaide Desalination Plant to learn more about the desalination process and the project.

Tours are only by appointment and groups of 10 to 35 can take the tour. The tour takes approximately 1.5 hours.

To learn more about the tour please contact businessrelations@sawater.com.au or phone 7424 3753.

Office for Recreation and Sport funding reminder

ORS funding programs open from February 13 to April 11 2016

The ORS currently has two funding programs that that may be of interest to the IPOS e-bulletin subscribers.

The [Active Club Program](#) helps active recreation and sporting clubs with:

- Program and equipment (up to \$5000)
- Facility upgrade requests

This program has an annual budget of \$2,550,000 and is open to incorporated sport or active recreation clubs that do not have a gaming or machine license.

The [Community Recreation and Sport Facilities Program](#) helps eligible organisations plan, establish or improve sport and active recreation facilities that meet the needs of the community in South Australia. This program has a 2016/17 budget of \$4,187,000 and State Sport and Active Recreational Organisations, Industry Representative Bodies, Local Government, Schools, Community Groups, Incorporated Sport or Active Recreational Clubs that do not hold a gaming machine license are eligible organisations.

Projects for connections to recycled water connections, smart metering technology and irrigation system upgrades may be eligible under the Community Recreation and Sport Facilities Program.

The funding programs close on April 11 2016.

Tip of the Month

Water Supply Options

In South Australia principal water sources for the irrigation of public open space include

- River Murray
- local catchments
- groundwater
- recycled stormwater

- treated wastewater
- local rainfall
- desalination

It may be a good time to investigate the potential for your site to connect to an alternative water source given the ORS funding programs mentioned in the article above. Section 5 of the [IPOS Code of Practice](#) provides detailed information on the different water supply options and their advantages and disadvantages. Some of the considerations that should be investigated are:

- volume that can be supplied
- pressure the water is supplied
- water quality
- cost
- flow rate
- storage requirements
- conditions of use – license, permit requirements and other regulatory requirements
- human health issues
- impact on the environment

For more information on water sources and potential recycled water connections please contact us!

New SA Water Website - Survey

Take the survey and you could win!!

We're committed to delivering a great experience to every customer who visits our website. Even though our site is brand new we are continuing to improve it. To help us do this, and to get an insight into how it is working for our customers, we've launched a survey. This is the first time we have surveyed customers since we launched the new site just over six months ago. We'd love for you to provide feedback on the website via the online survey.

Please click on the image on the right to be directed to the survey!



February 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	1361	1548	781	881	637	715	492	548
Kent Town - 023090	1178	1447	661	830	532	675	402	521
Mount Crawford - 023763	1452	1469	837	822	684	660	530	499
Noarlunga - 023885	1148	1517	602	863	466	699	329	535
Parafield - 023013	1458	1645	840	940	685	764	531	587

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	14	19	166	190
Kent Town - 023090	18	15	148	176
Mount Crawford - 023763	14	24	176	185
Noarlunga - 023885	35	19	156	187
Parafield - 023013	14	19	177	202

Disclaimer:

SA Water's Business Relations 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.