

Podcast 14 – Turning on the Tap – Clean Water in Australia

Learn English while learning about daily life in Australia, with Rob McCormack

Podcast Number 14 – Turning on the Tap – Clean Water in Australia

Hi,

Sometimes we don't appreciate the good things we have. We complain about having a bad day, or perhaps we wish we had a new car or a new computer. One of the good things we have in Australia is our water. It's clean and it's always there. You just turn on a tap and it comes out. In this podcast I would like to tell you a little about our water here in Melbourne.

Australia is a land of contrasts. We have areas with lots of rain and we have areas with very little rain. In fact, in many parts of Australia it doesn't rain very much at all. So not having enough water can be a problem. In 2009, Melbourne's water supplies got very low. There had been poor rains in the winter for several years and our water storage levels were below 30% full. The truth is, we didn't use our water well. We wasted a lot of water. So our government started an advertising campaign to help us all to use less water. This advertising campaign told us to try and use no more than 155 litres of water, per person, per day. The people of Melbourne heard the message and our use of water went down. That was a great result. Over the last 3 years we have had good rains in winter and, together with using less water, our water storage levels are now back to over 70% again. We are all happy about that.

The city has ten large reservoirs for water. The largest is the Thomson Dam, which holds more than one billion litres. That's enough water to fill 427,000 Olympic swimming pools. These reservoirs are in the Yarra Ranges near the city. Five of these reservoirs have catchments. A catchment is a large area of land around the reservoir where the rain can run off the land, into creeks, into rivers and finally into the reservoir. For example, the Thomson Dam has a catchment area of 48,700 hectares. That's 487 square kilometres. From these five reservoirs with catchments, some of the water is pumped to the other five reservoirs, so that, in total, Melbourne has ten reservoirs to hold its water.

But of course it's not only about having enough water. The water must be clean. Well, Melbourne's water is very clean. About 80% of Melbourne's water comes from catchments which are closed. A closed catchment means that the forest and bush in those catchments is undisturbed – that means that no people live there and people are not allowed to go there. It is completely natural forest and bush. Water which flows from these catchments into those reservoirs is already very clean. Melbourne is one of only 5 cities in the world which has closed catchments.

About 20% of our water still comes from open catchments. Open catchments are not closed to the public. These catchments are downstream from towns and farms. Therefore treatment of our water is required to make sure it is clean and safe for people to drink and to use. There are 3 treatment plants in Melbourne. One of them is the Winneke Treatment Plant and I can ride there on my motorcycle in about 30 minutes.



It is next to the Sugarloaf Reservoir, one of the ten reservoirs which Melbourne has.



Like many reservoirs, it has a great area where you can take the family for a barbeque. When our children were young, we took them there for a barbeque and we really enjoyed it.



The water is treated in 3 steps. First, it is filtered. Filtering removes 95% of solids and microorganisms. Microorganisms can make people sick and must be removed to make the water safe. Second, a small amount of chlorine is added. The chlorine kills any remaining microorganisms not removed by the filtering. The water is now safe to drink. Third, fluoride is added. Fluoride is a chemical which helps prevent tooth decay.



From there, the water is sent down large pipes to 40 smaller service reservoirs around Melbourne. From there, it is sent down smaller pipes straight to houses and to businesses all around Melbourne. So all you have to do is turn on a tap and out it comes.



If you have a question or a comment to make, please leave it in the comments box at the bottom of this page. You can leave your comment in English or in any language and I will translate it. Or, you can send me an email at rob@slowenglish.info. I would love to hear from you. Tell me where you live, a little bit about yourself and what you think of my Slow English podcast. Perhaps you could suggest a topic for a future podcast. Goodbye until next time.

Rob

PODCAST 14 QUIZ

Start

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True or False? - In Melbourne, there has never been a worry about

having enough water for the city.

True

False

Prev

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True or False? - In Melbourne, people have a target of 155 litres per day per person.

True

False

Prev

Next

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True or False? - Melbourne has 10 water reservoirs for storing water, and 5 of these have their own catchment area.

True

False

Prev

Next

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True or False? - A closed catchment means that people must be careful when moving through that catchment area.

True

False

Prev

Next

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True or False? - About 20% of Melbourne's water comes from open catchments, which means that it must be treated so that it is clean.

True

False

Prev

Next

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True or False? - Water treatment is in 3 steps and the first step is filtering.

True

False

Prev

Next

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True or False? - The second step of water treatment is to add fluoride, which kills any microorganisms not removed by filtering.

True

False

Prev

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True or False? - Rob lives within 30 minutes drive of a water treatment plant in Melbourne.

True

False

Prev

Next

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True or False? - The Thomson Dam in Melbourne has a catchment that is 487 square kilometres in area.

True

False

Prev

Next

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True or False? - Rob trusts that the water coming out of the tap in Melbourne is clean and safe.

True

False

Prev

See Result

Your score is

The average score is 90%

Vocabulary

□ Play advertising campaign = a number of advertisements are shown, usually on TV, radio or posters

□ Play appreciate = to realize the value of something

□ Play billion = 1,000,000,000

□ Play businesses = where people sell things or services to make money

□ Play complain = to tell someone that you are not happy about something

□ Play contrasts = differences, when two things are not the same

- Play creeks = water running down a valley
- Play downstream = down the river, the water always flows downstream
- Play farms = where people grow crops and keep animals
- Play government = the country is run by the government
- Play natural = has not been changed by people
- Play not allowed = when you are not able to do something
- Play per = each
- Play pipes = long round tubes which carry water
- Play prevent tooth decay = stop people's teeth going bad
- Play public = the people who live in your country
- Play remaining = what is left after something is taken away
- Play removed = when something is taken away
- Play required = when something must be done
- Play reservoirs = a place which stores a very large amount of water, usually a dam
- Play result = the outcome
- Play several = more than one
- Play tap = something at the end of a water pipe. You can turn it on or off
- Play treatment = when something is changed, usually to fix a problem
- Play truth = when something cannot be denied
- Play undisturbed = has not been changed by people

□ Play wasted = when something is not used as it should be

□ Play water storage levels = how much water there is. For example, full, empty, high, low, 50%