

The Well

Tap into water education

Visiting Happy Valley Water Treatment Plant



Thank you for booking a tour of Happy Valley Water Treatment Plant with us. During this session, participants will go behind-the-scenes to explore the process of conventional water treatment.

Location: Happy Valley Water Treatment Plant
(follow directions to the Happy Valley depot to reach the main gate)

Contact: thewell@sawater.com.au

Before your visit

- Arrange transport to and from the site.
- Advise our education team about any accessibility requirements.

If after booking, your excursion is not approved by the school and you need to cancel, please let us know as early as possible, so another group may have the opportunity to book.

Important safety information

- All attendees **MUST** wear long pants, long sleeves, and flat enclosed shoes.
- Hi vis vests, hard hats and safety glasses will be provided.
- All clothing/PPE mentioned above is essential to be able to take part in the tour.
- Happy Valley WTP is a working site. Tour groups are expected to behave safely and responsibly and may be asked to leave if safety is at risk.
- We have a zero drug and alcohol policy.
- Site tours are safe and appropriate for students in Year 4 and above.

Transport

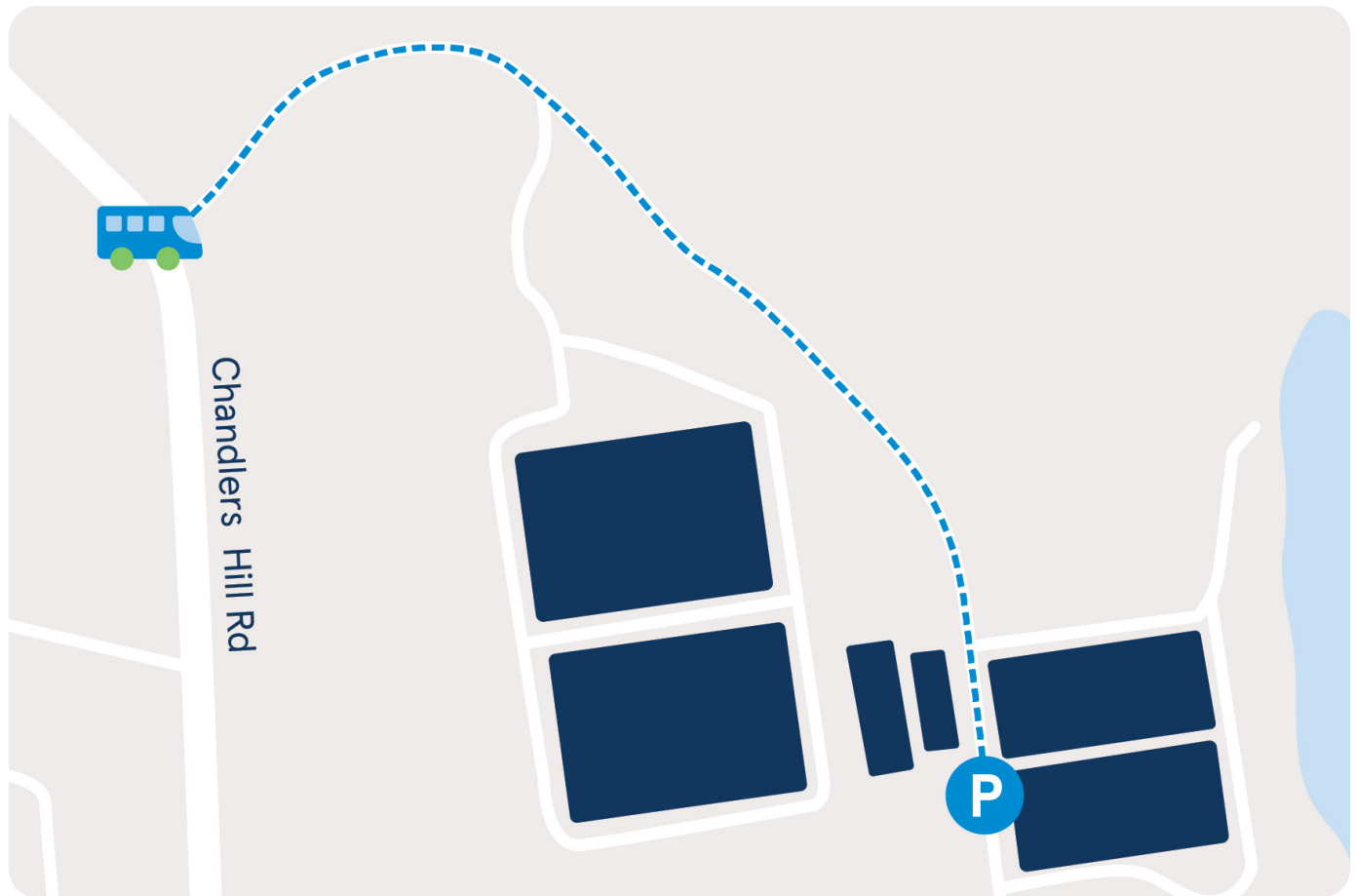
- Happy Valley Water Treatment Plant is an active worksite with trucks and vehicles travelling on the service roads. It is not possible to enter the site by foot.

We offer reimbursement of bus hire up to 25% for regional and disadvantaged schools. This is subject to approval and is assessed on a case-by-case basis. For further details or to enquire, please contact us at thewell@sawater.com.au.

Access and parking

- Enter via Chandler’s Hill Road.
- Drive straight forward and press the button to request access from Treatment Plant Admin at the boom gate. Be aware of wheel spikes and drive carefully.
- Drive forward and there will be a second gate that should open automatically.
- Continue forward and stay to the left, towards the Admin area and carpark
- Your guide will meet you in the carpark on arrival.
- Your bus driver may leave and come back at the end of the tour if preferred.





Accessibility

- The site is large, requiring guests to walk and stand during the tour. There are some small steps.
- There is no shade and nowhere to sit down during the site tour.
- Machinery and other works will create some background noise.

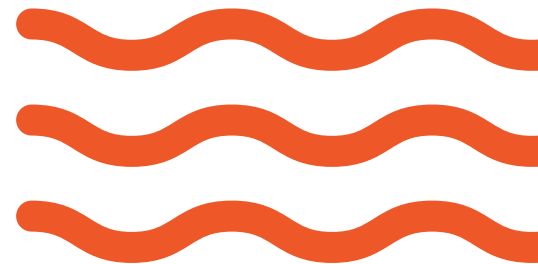
Other info

- We encourage you to wear sunscreen and bring a water bottle.
- The tour takes place outdoors, where there is no shelter. Please dress appropriately for the weather.
- We will reschedule any tours scheduled on days predicted to be 35 degrees or hotter, and in the case of heavy wind or rain.
- Tours may be cancelled due to site works or if requested by the Plant operations team.

Student activities

Students are encouraged to ask questions throughout the tour. You may like to ask students to:

- Make note of interesting facts they have learned, or the steps of the water treatment process.
- Write down questions they think of during the tour for further research.
- Complete an activity you have developed.



Risk Assessment

Sports, adventure, camps and excursions risk assessment for additional hazards		
Hazard identification (What is the issue of concern?)	Risk Controls (What are you doing to eliminate or reduce the risk?)	Risk (With all controls in place)
Trip and fall hazards	<ul style="list-style-type: none"> Use handles to get on and off bus. Advise guests to watch their step at the start of the tour. Identify curbs and ledges in car park. 	
Exposure in an outdoor environment	<ul style="list-style-type: none"> Bring water. Wear sunscreen. Wear warm clothes during cold weather. Tours cancelled on extreme weather days. Bring medication for any students with bee or insect allergies. 	
Open water tanks	<ul style="list-style-type: none"> Safety rails around all tanks. Do not get too close or lean across open water. Watch where you walk. No running or pushing. 	
Working site with vehicles and machinery	<ul style="list-style-type: none"> PPE must be worn while on site (long pants, long sleeves, flat closed shoes, hard hat, safety glasses, hi vis vest). Pay attention to activity in surrounding area (no headphones/ear buds). Walk on footpaths and avoid walking on roads. Always stay together as a group and listen to your guide. Guides have completed safety inductions. 	

WHS Risk Assessment Matrix	Consequences				
	First aid Personal support or counselling	Medical or dental treatment	Hospital emergency department (out-patient)	Admitted to hospital (in-patient)	Death, permanent disabling injury
Certain: to occur at some stage	Medium	High	High	Extreme	Extreme
Likely: to occur	Low	High	High	Extreme	Extreme
Possible: could: reasonably occur	Low	Medium	Medium	High	Extreme
Unlikely: to occur	Low	Low	Medium	High	Extreme
Rare: Not expected to occur	Low	Low	Medium	Medium	Extreme

Investigate further

Explore online resources to extend student learning before and after your visit to the Happy Valley Water Treatment Plant.

Below you'll find key questions for students to discuss, and resources that will help students learn the answers. Resources vary and may be appropriate for primary or secondary students.

Key questions	Resources
What are the steps of the water treatment process?	<ul style="list-style-type: none"> • Water treatment fact sheet. • View our Water Quality video series to learn how we use a multiple barrier approach to protect water quality and ensure we have access to safe, clean water.
Why does our water need to be treated (filtered and disinfected)?	<ul style="list-style-type: none"> • Water treatment methods are determined by the water source. Read about some of the different methods here. • Water access and sanitation for all is one of the UN Sustainable Development Goals.
Are there different types of water treatment?	<ul style="list-style-type: none"> • Desalination is a different type of water treatment. This process can remove salt from seawater. • View our playlist of 9 short videos about the Adelaide Desalination Plant, including an animation of the reverse osmosis process.
What are our water sources in South Australia?	<ul style="list-style-type: none"> • We have 16 reservoirs to store fresh rainwater. View up to date reservoir data here. • The Murray River supplies over 50% of the state's drinking water. View daily flow rates, maps and data here. • Watch the Managing our Murray video series and discover how we manage the flow of the river, support its biodiversity, and how the river and community are impacted by flood events. • Some of Adelaide's water comes from the ocean. Read about the Adelaide Desalination Plant and the monthly production rates here. • The driest parts of our state rely on groundwater. Sometimes, this water is treated using desalination technology too.
How can I learn more about Aboriginal and Torres Strait Islander perspectives on water management?	<ul style="list-style-type: none"> • Aboriginal and Torres Strait Islander people have nurtured a deep understanding of water systems and places for many thousands of years. The five episodes of our Water Wisdom series share knowledge through the voices of Adnyamathanha, Ngarrindjeri, Boandik, Kurna, and Barngarla people. • Download the Water Wisdom workbook to complete alongside the video series.
Where does our water come from at home and school?	<ul style="list-style-type: none"> • Look up your drinking water profile to see your local water sources and what's in your water. Compare your water to other locations in South Australia.
What is being done to ensure water security for the future?	<ul style="list-style-type: none"> • Our Resilient Water Futures project.