

Visiting Bolivar Wastewater Treatment Plant



Thank you for booking a tour of Bolivar Wastewater Treatment Plant with SA Water. Participants will go behind-the-scenes to explore the process of conventional wastewater treatment.

Location: [Bolivar Wastewater Treatment Plant](#)

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 get in touch 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.
- Bolivar WWTP 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

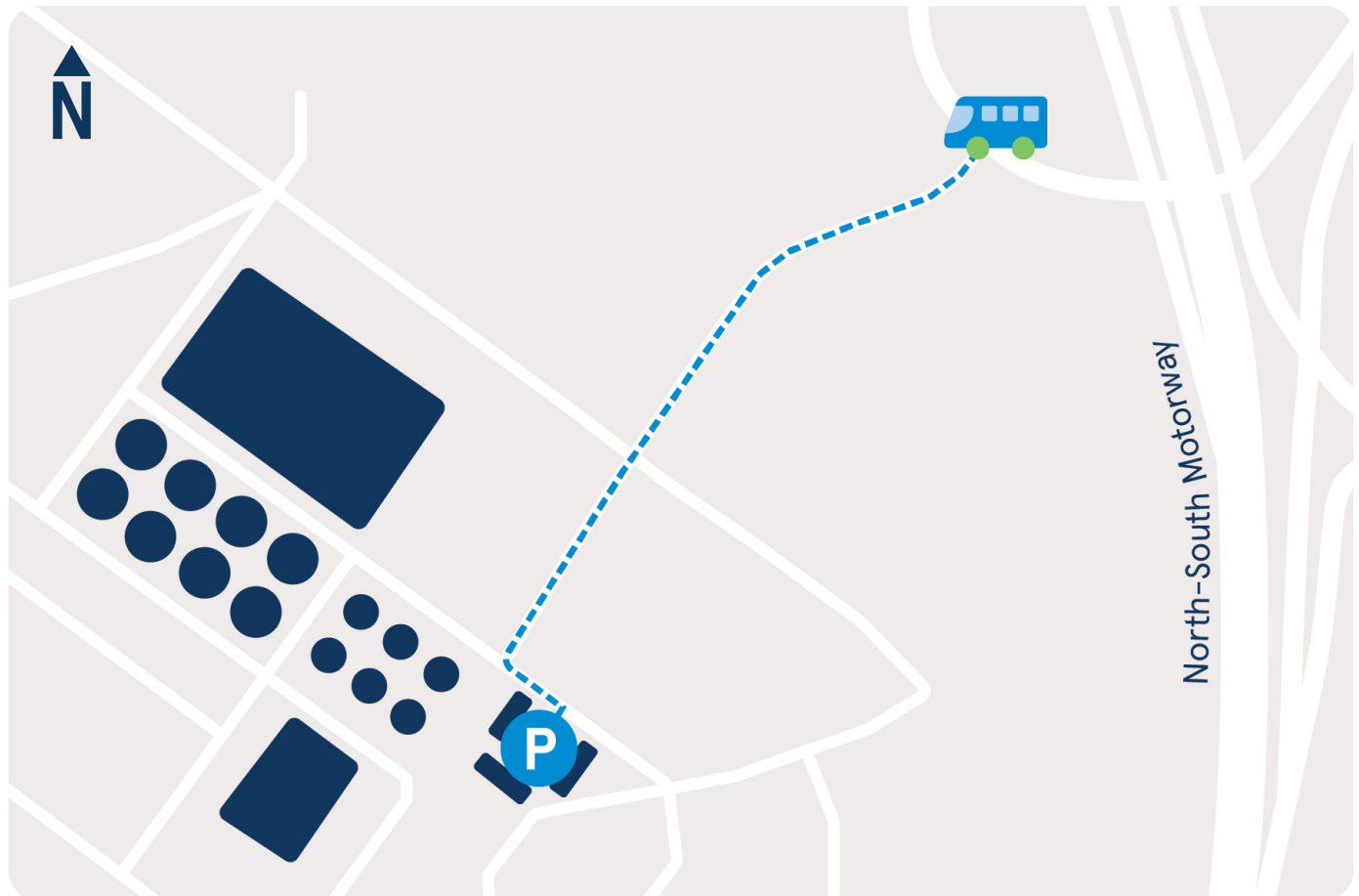
- Bolivar Wastewater Treatment Plant is an active worksite with trucks and vehicles travelling on the service roads. It is not possible to enter the site by foot.

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 the gate on Bolivar Interchange Connector Road.
- Call Jade (0439 685 256) or Mike (0436 679 428) to request access at the boom gate. Be aware of wheel spikes at gates and drive carefully.
- Drive straight ahead and there will be a second gate that should open automatically.
- Continue forward and 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, including climbing stairs.
- There is no shade and nowhere to sit down during the site tour.
- Machinery and other works will create some background noise.
- There are strong smells throughout the site, particular close to the intake structure.

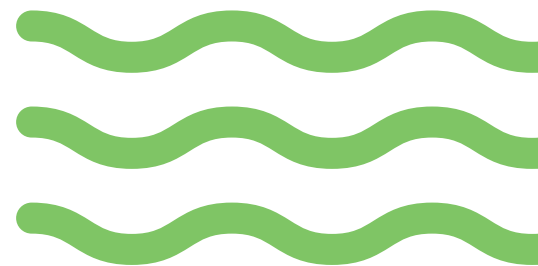
Other info

- We encourage you to wear sunscreen and bring a water bottle.
- Most of 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 wastewater 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 school bus. Advise guests to watch their step at the start of the tour. Identify curbs and ledges in carpark. Hold hand railing while going up or down stairs. | |
| 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. PPE protects arms and legs. | |
| 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. | |
| Contamination by wastewater | <ul style="list-style-type: none"> Attendees are advised to consider all surfaces as contaminated. Restrict touching railings unless necessary. Don't touch face, eat or drink while touring site. Attendees wash hands at the end of the tour. | |

| 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 Bolivar Wastewater 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 |
|---|---|
| Why does our wastewater need to be treated? | <ul style="list-style-type: none">• Water access and sanitation for all is one of the UN Sustainable Development Goals. |
| What are the steps of the wastewater treatment process? | <ul style="list-style-type: none">• Wastewater treatment fact sheet.• Read more about how we manage wastewater here. |
| How can wastewater be recycled and re-used? | <ul style="list-style-type: none">• We recycle about 30% of our treated wastewater. Read more about our recycled water networks here.• Water recycled technology is used around the world, and even in space. See how water is recovered and recycled for astronauts on the International Space Station. |
| How was wastewater managed in the past? | <ul style="list-style-type: none">• The stinky history of sewerage lesson plan. |
| How can we take care of our wastewater network? | <ul style="list-style-type: none">• Healthy sewers videos.• Poo Patrol with the Marine Discovery Centre and SA Water video. |

