



Kidman Bridge Renewal Works

Environmental Protection Fact Sheet

We are undertaking remediation works on Kidman Bridge, located on Henley Beach Road over the River Torrens. These works are funded by the South Australian Government as part of the Bridge Maintenance Program.

The Kidman Bridge at Lockleys was originally constructed in 1935. Maintenance works are now required to repair deteriorated areas under the bridge. Works will include removal of old paint and replacement with new lead-free paint, as well as repairs to the concrete piers and deck (under the bridge) The works will improve the long-term sustainability of the bridge, enhance its structural stability, and extend the operational life span of the bridge.

To safely undertake these works, an environmental containment system will be in place along the north side of the bridge, known as encapsulation. This fact sheet provides information on the encapsulation system, and how we are using it to protect and safeguard the local environment



Government
of South Australia

Department for Infrastructure
and Transport

What is the environmental containment and encapsulation system and how does it work?

The environmental containment and encapsulation system is a fully sealed structure that ensures all particles arising from paint removal and application are captured, stored and transported within a controlled process to protect the public and the environment.

The system consists of a scaffolding structure built around the work area, which has a protective skin applied to provide a controlled working environment and prevent the escape of particles from inside the encapsulated work areas. The protective skin is a plastic seal that can only be entered through an airlock. A ventilation and exhaust filtration system is connected to the encapsulated area to create a negative pressure environment, which collects the particles in sealed containers.

These particles are tested, and the containers transported to an EPA approved disposal facility with documented chain of custody.



Image 1: Inside of an environmental containment and encapsulation system

How we protect our workers

Workers are supplied with (and must use) single use overalls, gloves, eye protection and respiratory masks with Filters.

Workers are also required to shower and wash down at the end of each shift to prevent secondary contamination. Washing and cleaning facilities will be provided onsite.

How is the project monitoring air, water and soil quality?

The environmental containment and encapsulation system is designed to Australian Standards for the management of hazardous paints and materials.

The project team undertakes detailed and ongoing risk management processes to identify and assess activities that can cause exposure to actual or potentially hazardous materials associated with the refurbishment works.

Prior to the commencement of the project, detailed air, water and soil testing was undertaken to determine a baseline for any materials present.

High-volume air samplers will continuously monitor for emissions throughout the project to provide assurance that works are being undertaken with minimal impact on the environment or the public.

Further Information

For more information, and to register to receive future project updates, please:

- call us 1300 794 880
- email us at DIT.Engagement@sa.gov.au or
- visit www.dit.sa.gov.au/KidmanBridge