



Sewer Systems Solutions

The Environmental Protection Authority's (EPA) water quality policy offers specific protection to Australian waterways and prohibits the discharge of substances which may affect the health of these systems. To help you navigate these requirements we can determine which site pollutants cannot be discharged directly into the environment in compliance with EPA guidelines and recommend capture and treatment solutions.

Pollutant examples are as follows:

- Sanitary sewer (toilets, kitchens, laundries).
- Oilywater sewer (commercial kitchens, fuel bunds, transformer bunds, petrol stations, process areas).
- Chemical sewer (agricultural, detergents, coolants, solvents, fire fighting foam).

At Engenium we will work closely with you and listen to your concerns to ensure the sewer design is tailored to your specific needs. In our experience, if the sewer design is integrated into the early studies it can prevent approval delays, lead to more efficient designs (construction and operations), reduce OPEX costs and ensure a more accurate project budget.

Our Expertise

Services offered include:

- Sanitary Sewage Conveyance Systems for commercial and industrial buildings.
- Oilywater Sewage Conveyance Systems for tank bunds, fuel stations and process areas.
- Fuel and Chemical Tank Bund Sizing and Layout, as per AS 1940 (the storage and handling of flammable and combustible liquids).

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smart project delivery

Key Service Advantages

- Determine which site pollutants cannot be discharged directly into the environment and ensure you are in compliance with the relevant approval authorities.
- Integrate sewer designs into your early studies to prevent approval delays and reduce OPEX costs. This leads to more efficient designs and a more accurate project budget.

- Washdown Area Collection and Treatment.
- Sanitary Sewage Pump Stations.
- Sanitary Sewage Treatment Systems.
- Chemical Dosing/Dilution Pits.
- Cooling Pits.
- Oilywater Sewage Treatment Systems (grease arrestors, oil separators).
- Treated water disposal systems.

We follow Australian Plumbing Standards, Local Water Authority Guidelines, WSAA Standards and client specific standards in our designs to ensure compliance with the relevant approval authority.

Our Capabilities

- We can identify the sites contaminated pollutants and ensure they are integrated into the design.
- Design capture, conveyance, storage, treatment and disposal solutions.
- Provide inputs into the Dangerous Goods Licence Applications.
- Provide inputs into the Environmental Approvals Submission.

Delivering Value. Delivering Results.