



Johns Environmental Group Capability Statement

Johns Environmental is a specialist environmental company operating since 2001. Our team of 5 people includes 3 experienced environmental/chemical engineers and 1 soil scientist. We are based in Brisbane and work Australia-wide. We combine an understanding of the processes producing wastewater with an intimate knowledge & experience of treatment & reuse technologies to provide an integrated solution for you.

Our Expertise

Industrial Wastewater Systems

We engage closely with our clients to assist with:

- Design of integrated industrial wastewater treatment systems including pre-treatment, biological anaerobic & aerobic systems, biological nutrient removal, sludge handling & chemical treatment.
- Greenfield or existing sites.
- Difficult or new effluent types.
- Diagnostics and treatment failure recovery.
- Investigative monitoring and performance assessments.
- Effluent irrigation system design & sustainability analysis.



Covered Anaerobic Lagoons (CAL)

We have designed & commissioned more than 16 CALs for industrial clients since 2010. Our experience includes:

- CAL sizing & infrastructure design.
- CAL commissioning or performance recovery.
- CAL performance assessment & monitoring.
- Biogas production estimates.
- Integration of CALs into existing systems.
- Sludge removal systems.



On-site Field Work & EPA Improvement Plans

We have extensive experience working on industrial sites & can supply specialised monitoring equipment to assist in evaluations & improvement plans

- Experienced in field work on industrial sites.
- Specialised environmental instruments.
- Good reputation with EPAs across Australia.
- Work with clients to design & implement environmental improvement plans & assessments.



Effluent Irrigation Systems

Justin Galloway is a certified professional soil scientist (CPSS) with many years of experience in the application of effluent to land throughout Australia. He is an expert in computer sustainability modelling especially using MEDLI modelling and irrigation land sampling & assessment. He has worked with a wide variety of effluents including sewage, intensive agriculture, mining, meat processing and other food wastes.

- Effluent irrigation design & modelling.
- Irrigation Management Plans & monitoring.
- Winning EPA approvals.
- Integration with wastewater treatment & recycling systems.
- Australia-wide experience.



Land Resource, Land Capability and Salinity/Sodicity Assessment

Justin has almost 20 years' experience in land resource mapping, site specific soil assessments, soil sampling and interpretation of soil physical and chemical results.

Soil and land resource assessments provide data for:

- Understanding potential soil limitations.
- Determining landuse suitability (including GQAL assessments).
- Developing a soil map & appropriate property layout.
- Assessing soil salinity and sodicity.
- Designing, operating and managing irrigation systems.
- Developing an environmental monitoring framework.

Recent Clients

- JBS Australia
- Santos
- Thomas Foods International
- Australian Munitions
- Australian Agriculture Company
- Swickers Kingaroy Bacon Factory
- Water Corporation
- Teys Australia
- Allied Pinnacle
- Australian Food Corporation
- Kingaroy Shire Council
- Golden Cockerel
- Amcor
- Cargill Foods Australia
- Casino Hide Traders

