

Environmental monitoring service project

Project Code
2022-1200

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Project Description

The project is designed to provide an alternative management system to the collection of waste and wastewater data collected for compulsory reporting schedules set out by NSW EPA. Utilizing consultants with previous experience results in informed solution management for small companies and avoids problems caused by uneducated equipment purchases that may or may not be the right solution.

Project Content

Analysis of four water sampling sites analysed and verified by Nata accredited lab each quarter. Looking at

- Biochemical oxygen demand
- Conductivity
- Faecal coliforms
- Nitrogen (ammonia)
- Nitrogen (total)
- pH
- Phosphorus (total)
- Reactive Phosphorus
- Total suspended solids

Annual Soil Sampling analysis

- Collection of 3 surface (0-.015 metres below ground level (mBGL)
- 3 subsurface (0.45-0.75 mBGL) composite samples from areas specified in section M2 of the EPL
- Arrange analysis of samples at NATA accredited lab
- Comparison of previous soil analytical samples

Project Outcome

This project identified the contaminants present and provided direction on what contaminants required treatment to facilitate irrigation, reuse and treatment plans.

Benefit for Industry

Environmental management has become an important day to day function in the meat processing arena, with large abattoirs hiring the services of permanent environment managers as staff. Smaller abattoirs cannot afford these costly services, so consultant groups are engaged to perform the tasks bringing with them vast experience and know how. In turn this helps reduce the burden of costs associated with full time positions.

This project will monitor an external provider to perform the task of EPA monitoring on behalf of WSMW and facilitate the trial of new equipment as it becomes available the outcome of which will ultimately lift capability and efficiencies of small plants nationally