

ROCHEDALE LANDFILL ODOUR MITIGATION CASE STUDY

Customer: Brisbane City Council

Location: Rochedale, Brisbane

Date: June, 2019

The Problem

In the past, unpleasant odours have always been a widely accepted result of industrial activities. However, the modern age has driven a need for change. Not only has the general public's acceptance of unpleasant odours decreased, the regulations attached to odour management in landfills have become more stringent.

The Solution

Opening in 1993 in the outer Brisbane suburb of Rochedale, is a Brisbane City Council landfill. Due to the ever increasing population growth in the area, the operators have undertaken a range of odour mitigation works.

A creative solution designed and installed by Dowdens Pumping & Water Treatment allowed continual pumping of water through a misting system to decrease odour.

Dowdens Pumping & Water Treatment designed an innovative, portable convenient way of dispersing deodorized water throughout the site.

A power saving battery operated solar pumping system was installed to allow continual pumping of the deodorized water through the innovative Dowdens Pumping & Water Treatment misting system.

The supplied misting systems act as odour neutralisers with an odour removal estimation of 90%. These misting systems are designed to be portable for the convenience of the user.

Key Components

Supply deodorized water from a storage tank at 1.5m³/hour @ 60m Total Head.

- Solar System with battery offers 24 hour operation
- Website control and monitoring access
- Volume and Application Measured with Pulse Meters



**DOWDENS**
PUMPING & WATER TREATMENT
Making water work for you

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SOLAR PUMP DIAGRAM

Solar Pumps - *More Power Less Drama.*

A Complete Efficient Solar Pumping System

The latest generation of high efficiency solar water pumping systems suitable for small to medium sized applications.

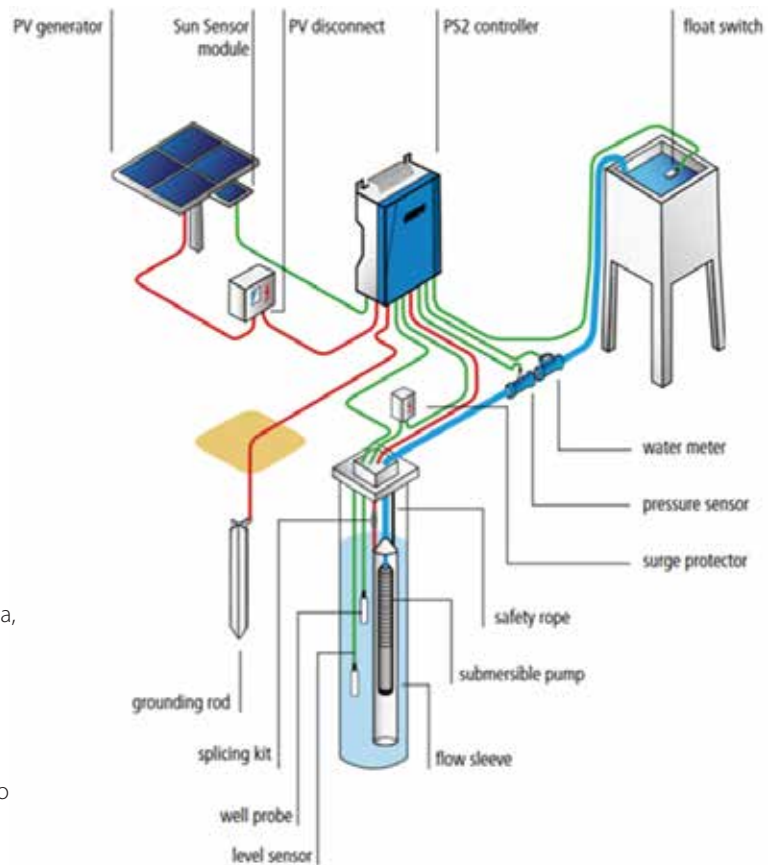
To reduce operational costs, improve water security, or be more sustainable is the best solution.

A wide power range of submersible and surface pumps from 150W to 4kW available.

Designed for Solar Water pumping

The products we use are sold into some of the worlds harshest environments in Australia, Africa, the Sub-Continent and the Middle East, with every pump fully factory tested before supply.

Pumps are designed to be field serviceable with modular components and electronics to allow for cost effective and fast onsite replacement when required.



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