

Landfill Site Satisfies EPA & Local Residents

Benefits

- peace of mind that EPA requirements are being met
- improve operational efficiency, greater visibility
- custody of data and minimisation of data transposition errors
- remote access from any web-enabled device
- ease of installation



Have other applications?

Due to its flexible sensor integration the SPOKEdata solution is ideal for monitoring across many applications

Find out more at:
www.SPOKEdata.com



A landfill organisation came to the attention of the EPA after receiving several dust and odour complaints from a nearby residential estate.

If the wind was blowing in the direction of the estate during times of heavy vehicle activity or when landfill was being relocated onsite, dust and odour became a major source of frustration to the residents, to the point where they would ring the local council to complain.

This prompted the EPA to stipulate that the organisation must install a weather station that was able to provide up-to-date information on current wind direction / speed and Sigma Theta (wind calculation), and rainfall.

Regular data, remote data

Knowing current wind direction / speed conditions meant that onsite staff could cease certain operational activities if the wind (carrying dust and odour) was blowing in the direction of the residential estate.

By also recording this data, this information would then be regularly passed onto the local council. If the council received a complaint from a local resident, they could correlate the time of the complaint with the wind direction at that time, and investigate further if necessary.

Hardware

- SPOKEdata 3G-enabled data logger
- Solar Panel
- Weatherproof enclosure
- Mast

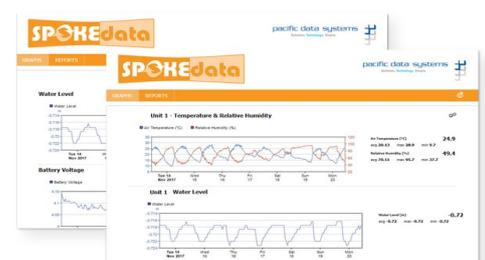
Sensors

- Ultrasonic Anemometer
- Optical Rain Sensor
- RH, Temp & Vapour Pressure Sensor

The Outcome

The improved practices employed by the landfill organisation saw a significant reduction in complaints from residents of the nearby estate.

By complying with the recommendations, the organisation also avoided costly infringements from the EPA, allowing them to operate their business with peace of mind.



Data accessible by remote web portal



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