



Resource recovery & landfill sites: Supply & Install Real-Time Dust & Weather Monitoring Systems

Customer Requirements

The client needed to deploy 5 real-time dust monitoring stations and 1 integrated dust and weather monitoring station. The goal was to ensure compliance with environmental regulations, proactively manage airborne particulates, and eliminate any adverse effects on neighboring residences.

Challenges

One of the primary challenges was to integrate real-time data from the existing four monitoring stations into a unified and easily manageable dashboard. The client needed a solution that could seamlessly merge data from both the existing and new monitoring systems for streamlined monitoring and reporting.

Solution

TES implemented its Trelia data platform, configured to retrieve real-time data from the client's existing third-party monitoring systems (four stations) and integrate it with data from the new 6 Dust and Weather monitoring stations. This integration allowed for centralised monitoring and management, providing the client with remote access to real-time data, automated reporting, and instant alerts to meet their specific requirements.

Case Study Summary

- 6 new dust monitoring stations successfully installed with real-time remote data access, automated reporting, and real-time alerts.
- Dust and weather monitoring
- Products:
 - › DMP7000 Real-time Dust Monitoring System
 - › Lufft WS601 Weather Sensor
- Associated Services:
 - › Trelia Data Portal
- Resource recovery and landfill sites
- Locations: Redbank, Acacia Ridge and Stapylton, QLD Australia.

Value to Client

Following the successful implementation, the client now benefits from real-time data insights, enabling them to proactively manage dust levels and airborne particulates. The integrated system ensures compliance with environmental obligations outlined in their Environmental Authority (EA). The Trelia data platform has empowered the client to monitor, mitigate, and eliminate potential environmental impacts, thereby safeguarding the well-being of neighboring residences and ensuring a sustainable and compliant operation.