



## LFG Projects

Tonkin & Taylor has undertaken a range of landfill gas (LFG) design and upgrading projects. Work ranges from greenhouse gas-related assessments, to wellfield designs and system optimisation.

### Key Projects

- Awapuni Landfill - system design optimisation
- Rototuna Landfill - LFG cutoff wall
- Kate Valley Landfill - detailed LFG system design
- Bluegums Landfill - LFG system design
- Bukit Tagar Landfill - LFG system design
- Silverstream Landfill - well field optimisation for Stage 1 area, Stage 2 system design and LFG development planning.
- Oamaru Landfill - LFG extraction system optimisation and upgrading to include Area D
- Assessment of Potential Greenhouse Gas Emission Reductions (position paper report to NZMfE)
- MfE Closed Landfill Guidelines - LFG monitoring and management
- CHH Closed Onehunga Landfill - LFG protection for 8 new buildings
- Pikes Point Closed Landfill - LFG protection for new building
- Mt Smart Closed Landfill - LFG protection for new building
- Motions Road Closed Landfill - LFG protection for existing and new buildings
- Greenmount Landfill - LFG protection for 12 adjacent new buildings

- Barry's Point Closed Landfill - LFG protection for new building
- Galway Street Closed Landfill - LFG protection for existing buildings.

### LFG to Energy Power Stations

- Silverstream - 4.5 MW
- Rosedale - 3.36 MW
- Greenmount - 5.4 MW
- Redvale (support services) - 6MW
- Whitford (support services) - 3MW.

### Services

- LFG generation estimation
- Wellfield and reticulation design
- Flare and gas to energy system specification
- Retrofitting and upgrading at existing sites
- Safety and hazard assessments
- Field monitoring and troubleshooting



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