



	January 2021	February	March	April	May	June	July	August (see next slide for more detail)
Contain Keeping the gases produced as the waste decomposes inside the landfill			Permanent capping of cell 1 plus temporary capping of cell 2 New waste inputs significantly reduced to allow focus on gas control		Surface emissions surveys identify 'hot spots' on cells 3 & 4 followed by further temporary capping			
Capture Collecting the gasses captured inside the landfill so it can be piped to the treatment plant	Total wells = 42 Gas captured = 1944 m ³ ph	13 new wells installed	Total wells = 55 Gas captured = 2538 m ³ ph	Total wells = 55 Gas captured = 2527 m ³ ph	Total wells = 55 Gas captured = 2338 m ³ ph	Total wells = 55 Gas captured = 2612 m ³ ph	Total wells = 55 Gas captured = 2610 m ³ ph	Total wells = 55 Gas captured = 2911 m ³ ph
Destroy Removing gas safely, destroying odour & polluting chemicals &, where possible, generates energy			Significant increase in gas capture and destruction Gas pre-treatment system upgrade to improve treatment of H2S and siloxanes		Additional back-up flare installed	WQL to submit plan to control fugitive gas and to deploy an additional large capacity permanent flare.	New high-capacity flare installation Improvements to GUP efficiency	Improvements to telemetry and monitoring on gas infrastructure
Visits, inspections & audits etc.	13 with 0 non-compliances	6 with 0 non-compliances	22 with 1 Cat-2 and 4 Cat-3 non-compliances	22 with 0 non-compliances	7 with 4 Cat-3 and 1 Cat-4 non-compliances	8 with 3 Cat-3 non-compliances	6 with 0 non-compliances.	8 with 2 Cat-3 non-compliance.
Odour reports	1987 (av 64 per 24hrs)	4098 (146 per 24h)	6347 (205 per 24h)	6181 (206 per 24h)	8482 (274 per 24h)	4133 (138 per 24h)	4149 (134 per 24hr)	3030 (98 per 24hr)
Non-compliances		Unconnected gas wells Gas infrastructure	Surface water mgt. Waste odours Management system fail		Surface emission mon'g Emission management Landfill gas odour Fugitive emissions Dust management	Leachate levels Methane limits Leachate mon'g		Landfill gas odour Pest management

	August	September	October
Gas containment	Posi-shell material transported from USA	Posi-shell ordered from USA arrived September 2021 due to transport delays. Installation of Posi-shell on steep flanks to parts of the site	Plan for capping of central part of the site to be submitted
Gas collection	Finalise plans for new vertical and horizontal gas capture, work commencing September 2021. 21 additional Pin Wells installed		Begin installation of 28 wells to integrate with Posi-shell (well installation now has target date to conclude October 2021)
Gas destruction	August and September to review progress against revised Landfill Gas Management Activities Plan. This sets out interrelated actions to improve gas management and gas destruction		Operator is to provide progress update on all the gas management improvements by end of Oct
Regulation	Installed telemetry for continuous logging of gas management KPIs from September and beyond.		
	Ongoing inspection regime, including review of gas and leachate monitoring data with associated compliance/enforcement action if required		

