

Brookside East Update is a newsletter from New Zealand Steel to provide an update on the Brookside East Landfill operations. The newsletter will be distributed monthly by mail and downloadable from the NZ Steel web site.

Progress Update

Construction of all temporary erosion and sediment control measures completed and approved by the ARC, 11th December 2009.

Bulk earthwork packages completed:

- ~ Storm water drainage
- ~ Topsoil removed from the landfill cell and side wall
- ~ Access and perimeter roads cut

Bulk earthwork packages commenced:

- ~ Landfill cell subsoil drainage
- ~ Leachate gravity main pipe installation
- ~ Swale drains cut

ARC have conducted 5 Consent Compliance and Advice Reports.

Forward Construction Schedule

Construction for the remainder of January includes:

- ~ Complete leachate pipe to sediment pond
- ~ Complete cell cut to fill sub-liner
- ~ Geomembrane preparation for Feb
- ~ Trimming of main access road
- ~ Build pump station control cabinet and design of site access controls

Geotechnics Ltd (a leading supplier of **Equipment, Testing Services, Calibration and Training** to the Geotechnical, Civil, and Environmental Engineering disciplines) is on site during all earthworks construction to complete the inspection and test regime, all results to date have passed the design specification.

Do you want more information?

E mail: NZSAKL.Brookside.East.Landfill@bluescopesteel.com

Website: www.nzsteel.co.nz (Brookside East Landfill)



Looking south from cell base – top soil removed and instrumentation trench



Stormwater pond construction parallel to Brookside Rd

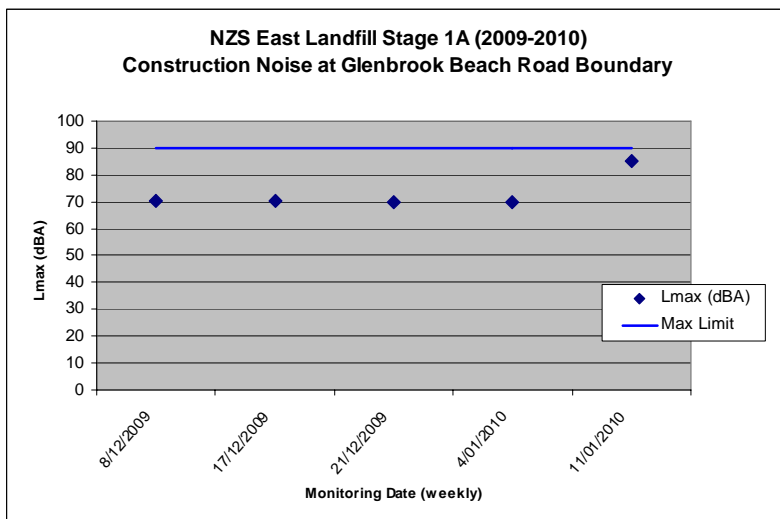


Looking North – General view of stage 1A development.



Construction of access road from existing landfill perimeter road.

Monitoring Results



Construction Noise Monitoring

The earthworks contractor is required to measure noise levels in accordance with the NZ Standard 6803:1999. The monitoring for the Stage 1A construction has been taken at the notional boundary - along Glenbrook Beach Road, north east of the construction zone - during the normal day time activities. The noise levels for the current construction activity is undertaken weekly.

Dust Control

The earthworks contractor must minimise dust levels arising from the construction zone, which may cause a nuisance beyond the boundary of the NZS property. This is achieved through watering, in particular areas where vehicles are moving soil and tracks.

Erosion and Sediment Control

Where there are large areas of soil exposed an earthworks contractor is required to avoid discharging sediment (soil particles) to natural waterways. Before the bulk earthwork activities commenced in Stage 1A, sediment ponds were installed to capture sediment and berms were situated to divert clean surface (rain) water away from the construction zone.

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