coffey geotechnics
SPECIALISTS MANAGING THE EARTH

**EASTWOOD BRICKWORKS PROJECT**
**DUST MONITORING USING DEPOSITION GAUGES DECEMBER 2008**

Ref: GEOTLCOV20876CB-CA 12 January 2009

SAMPLES: 9 Dust Gauges LABORATORY REPORT: EN0802443

| Site | (i) Annual average of monthly results to date g/(m$^2$.month) | (ii) Insoluble Solids Dec 2008 g/(m$^2$.month) | Comments |
|---|---|---|---|
| C1 – at main entrance to site | 1.7 | 3.8 | - |
| C2 – on the north-eastern boundary of the site | 1.9 | 3.1 | - |
| C3 – on the north-western boundary | 1.4 | 1.7 | - |
| C4 – in the central southern section | 1.2 | 2 | - |
| C5 – on the central western boundary | 1.2[#] | 1.6 | - |
| E | 2.3**/[#/$] | 3.5 | - |
| NE | 2.5 | 3.1 | - |
| NW | 2.4 | 4.2 | - |
| W | 1.5 | 2.9 | - |

Data: The above readings are cumulative dust deposition readings for each dust deposition gauge.

Air Quality Guidelines & DC Requirements for Pit Filling Works (excluding civil works):
Except where EPA/DEC monitoring indicates widespread elevated regional dust levels which are unrelated to the development, dust deposition levels (as measured by monitors NE and NW on the northern boundary of the Site) must not exceed (i) 4(g)/(m$^2$.month) averaged yearly; and (ii) 5(g)/(m$^2$.month) in any individual month.

Summary of Non-Compliance to DC requirements:
No non-compliance was identified in the NE and NW gauges in the December 2008 monitoring period.

Notes:
Stage 2 Pit Filling commenced in May 2005.
Annual average of monthly results to date is from January 2008 to December 2008 where applicable.
**Results from March 2008 to May 2008 were not included in this calculation of annual average.
[#]Results from July 2008 were not available due to missing and broken gauges.
[$]Result from September 2008 was not included in this calculation of annual average.
December 2008 Sampling Period – 2 to 19 December 2008, except for dust gauges C4 and E which have sampling period of 4 to 19 December 2008 due to site closure.
Samples analysed as received. LOR 0.1g/(m$^2$.month).
Insoluble Solids analysed according to AS/NZS 3580.10.1 (2003).
All results are subject to further interpretation and QA/QC check and should be used with care.