

### METHOD STATEMENT FOR ZTVS

1. Comparative zones of theoretical visibility (ZTV) were calculated for the following aspects of the proposed development using 3D digital terrain model in using LSS software (McCarthy Taylor):
  - Plant Site (based on a 13.3m high pinnacle with perimeter bunds formed during site establishment as screening features) – Drawing HQ 8/2;
  - Phase A extraction area (with perimeter bunds formed during site establishment as screening features) – Drawing HQ 8/3; and
  - Maximum extraction void (with perimeter bunds formed during site establishment as screening features) – Drawing HQ 8/4.
2. The ZTV results are based on topography only and do not take account of the screening effects of any buildings or vegetation. The topography is purchased Landform Profile DTM data.
3. The receptor point grid interval was set to 25m, with a 1.8m eye height (above the digital terrain model) and covered an area of approximately 5km radius centred on the site.
4. The following representative target points were set for the ZTV calculations for the Plant Site (with perimeter bunds formed during site establishment as screening features):
  - E 519529.868, N 208540.952, 90.705m AOD;
  - E 519549.198, N 208561.571, 90.363m AOD;
  - E 519562.514, N 208546.966, 90.631m AOD;
  - E 519544.473, N 208524.629, 90.977m AOD; and
  - E 519548.339, N 208542.671, 90.686m AOD.
5. The following representative target points were set for the ZTV calculations for the Phase A extraction area (with perimeter bunds formed during site establishment as screening features):
  - E 520161.834, N 208705.917, 74.054m AOD;
  - E 520457.756, N 208431.768, 74.568m AOD;
  - E 520195.484, N 208047.762, 73.438m AOD;
  - E 520129.173, N 208250.652, 72.224m AOD;
  - E 520193.504, N 208601.008, 70.000m AOD;
  - E 520306.331, N 208484.223, 61.382m AOD; and
  - E 520268.722, N 208250.652, 69.650m AOD.
6. The following representative target points were set for the ZTV calculations for the maximum extraction void (with perimeter bunds formed during site establishment as screening features) :
  - E 519465.232, 208394.332, 73.679
  - E 519957.916, N 208744.997, 71.767m AOD;
  - E 520219.162, N 208364.525, 69.918m AOD;
  - E 520348.908, N 208169.906, 68.966m AOD;

- E 520084.156, N 208147.113, 74.054m AOD;
- E 519880.770, N 207899.894, 69.831m AOD;
- E 519658.098, N 208020.874, 71.026m AOD;
- E 519652.838, N 208366.279, 62.936m AOD;
- E 519971.943, N 208606.484, 62.140m AOD;
- E 520219.162, N 208241.793, 62.989m AOD;
- E 519815.897, N 208017.367, 61.772m AOD; and
- E 519875.510, N 208325.952, 61.752m AOD.