

## **APPENDIX 11.5: LIGHT SPILL PLOT**

### **PLOT**

A11.5.1 The following page shows a plot of the light spill from the Main Site. The red line is the 1.0 lux contour, i.e. the point by which light spill from the lighting on the Main Site has fallen to 1.0 lux. The light spill continues to fall outside this contour.

### **MODELLING**

A11.5.2 The plot has been output from a model set up in industry standard lighting calculation software. As is customary for lighting modelling of this sort, it assumes a level, clear site. In practice, the effect of earthworks mounding will be to contain the light spill further than is shown in the plot, i.e. to bring the 1.0 lux contour in closer.

### **LIGHTING DESIGN**

A11.5.3 The lighting design used in the model is illustrative but is fully in accordance with the Lighting Strategy set out in Appendix 11.3 and represents the most pessimistic application of the Strategy in terms of light spill. For example, in the model the rail terminal area is lit to 50 lux throughout, when, in practice, the level will generally be 20 lux, rising to 50 lux locally where loading/unloading operations are taking place.

