

Parrys Quarry Inert Landfill Site

Revision 1.00

Landfill closure report

Background

1.0 Area of the site progressing to definite closure

2.0 Waste stability

3.1 Site infrastructure

3.2 Leachate infrastructure

3.3 Leachate infrastructure maintenance

3.4 Landfill gas infrastructure

Phase 1	GMP1.1-1.9	Monitoring Point in waste	Design detail on ESSD 7
Phase 2	MP2.1-2.4	Monitoring Point in waste	Design detail on ESSD 7
Perimeter	BH G1-G14	Monitoring Borehole outside waste. Combined gas and groundwater	Design detail on ESSD 7

3.5 Landfill gas infrastructure maintenance

Gas monitoring infrastructure maintenance: Checking to ensure monitoring points are in place and valves are free from obstruction covered in the ESSD

3.6 Groundwater infrastructure

Perimeter	BH C	Perimeter Up Hydraulic Gradient	Level and Quality
Perimeter	BH C1	Perimeter Up Hydraulic Gradient	Level and Quality
Perimeter	BH G	Perimeter Down Hydraulic Gradient	Level and Quality
Perimeter	BH H	Perimeter Down Hydraulic Gradient	Level and Quality
Perimeter	BH I	Perimeter Down Hydraulic Gradient	Level and Quality

3.7 Groundwater infrastructure maintenance

Groundwater monitoring infrastructure maintenance: Checking to ensure monitoring points are in place and valves are free from obstruction covered in the Hydrogeological Risk Assessment HRA

3.8 Surface water infrastructure

Surface water monitoring is not required under closure

3.9 Surface water infrastructure maintenance

3.10 Cap maintenance

The site does not require an engineered cap as it is an inert landfill site.

4.1 Monitoring

4.2 Leachate monitoring

Not required

4.3 Landfill gas monitoring

Landfill gas monitoring: ESSD Quarterly

4.4 Groundwater monitoring

Groundwater monitoring: Quarterly monitoring

4.5 Surface water monitoring

Not applicable

4.6 Restored surface monitoring

Not applicable. Covered under Planning Permission

5.1 Reporting

5.2 Significant environmental effects

Significant environmental effects: This includes breaches of Compliance Limits for Landfill Gas and Groundwater Trigger Levels Table S4.2 and S4.3. Please note that Table S4.1 is not applicable for the restoration phase

6.1 Habitats

6.2 Habitats sites

Not applicable.