

# 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

<b>Phase 1</b>	<b>GMP1.1-1.9</b>	Monitoring Point in waste	Design detail on ESSD 7
<b>Perimeter</b>	<b>BH G1-G14</b>	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

<b>Perimeter</b>	<b>BH C</b>	Perimeter Up Hydraulic Gradient	Level and Quality
<b>Perimeter</b>	<b>BH C1</b>	Perimeter Up Hydraulic Gradient	Level and Quality
<b>Perimeter</b>	<b>BH G</b>	Perimeter Down Hydraulic Gradient	Level and Quality
<b>Perimeter</b>	<b>BH H</b>	Perimeter Down Hydraulic Gradient	Level and Quality
<b>Perimeter</b>	<b>BH I</b>	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

### **3.8 Surface water infrastructure**

Settlement Lagoon and Drainage Ditches

### **3.9 Surface water infrastructure maintenance**

Settlement Lagoon and Drainage Ditches are cleaned out

### **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**

**Discharge point and Upstream SW1 and Downstream SW2 monthly then quarterly at during closure**

### **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.**