

***PANSHANGER QUARRY,  
Hertfordshire***

***Proposed enhanced restoration of  
Phases F & H***

***Briefing Note 2  
March 2015***

## **INERT (INACTIVE) RESTORATION MATERIALS, CONTROLS AND OPERATIONS**

### **1 Materials**

- typically inert soils, stones or clays from mineral workings or local development projects. Will include non marketable materials from Panshanger Quarry.

### **2 Controls**

- before any inert restoration materials are delivered, Lafarge Tarmac specialist staff visit the site and take samples for testing. If the samples are suitable, a contract will be agreed and an account set up. No material is delivered by cash customers
- on arrival at the site, all paperwork for the imported materials would be carefully checked and the material itself would be visually inspected at the weighbridge
- the load would be visually checked again on discharge at the restoration area to make sure the materials are as per the specification approved by the Environment Agency. This approach is similar to someone checking a parcel delivered to their home, to make sure the contents are as described. Materials unsuitable for restoration would not be accepted at the site
- should any such materials be discovered, they would be separated and placed in skips on site, before being removed for disposal at an appropriately licensed off-site facility
- the materials would be deposited in to an engineered cell. This would prevent migration through
- the materials and protect the groundwater and surface water
- the operations would be subject to a rigorous environmental monitoring regime, regulated through the Environmental Permit
- the restoration of mineral workings is subject to internal inspection, which includes environmental monitoring. It is also audited by the Environment Agency to ensure compliance with the Environmental Permit conditions
- the Hertfordshire County Council planning team would also monitor restoration operations against the relevant planning conditions.

### **3 Operations**

Restoration materials would be laid down in layers and engineered towards the final form and levels. Regular surveys and input modelling would make sure the appropriate contours are achieved.

The volume of material required for the enhanced restoration scheme has been carefully calculated to minimise the overall project life.

Once the restoration contours are achieved, the topsoils and subsoils – which have been stripped and stored in advance of mineral extraction – would be replaced to achieve the final desired landform and afteruse.

The materials would be used to return the ground level in Phases F & H to close to the original contours. This would enhance the landscape and cultural heritage settings at and around Phase H above and beyond the permitted scheme. This would include restoration to parkland grassland with tree planting.

**Panshanger Quarry**

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