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Our ref: LAF/HA/AW/5390/01

Environmental Management Team
Apollo Court
2 Bishops Square Business Park
St Albans Road West
Hatfield
Hertfordshire
AL10 9EX

Dear Sirs

Harper Lane Quarry - Site Condition Report

Please find enclosed a Site Condition Report (SCR) in respect of Environmental Permit EPR/FB3139AU as varied (V002) to operate waste operations described in standard rules SR2009No6 and in standard rules SR2008No3 75kte at Harper Lane Quarry, Hertfordshire. The SCR comprises completed sections 1 to 3 of the H5 Site Condition Report templates and an electronic copy on CD of the Envirocheck report for the site.

Should you have any queries please do not hesitate to contact us.

Yours faithfully

Andy Wright

cc D Lauberts, Lafarge Aggregates Limited

Enclosures: Site Condition Report Template
Electronic copy on CD of the Envirocheck report for the site

SITE CONDITION REPORT TEMPLATE

For full details, see H5 *SCR guide for applicants* v2.0 4 August 2008

COMPLETE SECTIONS 1-3 AND SUBMIT WITH APPLICATION

DURING THE LIFE OF THE PERMIT: MAINTAIN SECTIONS 4-7

AT SURRENDER: ADD NEW DOC REFERENCE IN 1.0; COMPLETE SECTIONS 8-10; & SUBMIT WITH YOUR SURRENDER APPLICATION.

1.0 SITE DETAILS	
Name of the applicant	Lafarge Aggregates Limited
Activity address	Harper Lane Quarry Harper Lane Radlett Hertfordshire WD7 7HX
National grid reference	TL 15959 01657

Document reference and dates for Site Condition Report at permit application and surrender	LAF_HAc12264z dated December 2012.

Document references for site plans (including location and boundaries)	Environmental Permit number EPR/FB3139AU dated 27 February 2012 EPR/FB3139AU/V002 dated 9 March 2012

Note:
In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: • geology • hydrogeology • surface waters	**Site details** The site is centred approximately on National Grid Reference (NGR) TL 15959 01657 approximately 550m north of Radlett, Hertfordshire. The site boundary is shown in green on the drawing presented at Schedule 1 to the Environmental Permit. The A5183 Watling Street is aligned south south east to north north west approximately 130m to the west of the site at its closest point. Ventura Park comprising warehouse and industrial premises is located approximately 350m north north west of the site. The site is located within the rail loop in the south western corner of the Harper Lane complex. The rail loop is connected to a railway line aligned generally south to north adjacent

	to and west of the rail loop. The Harper Lane complex includes mineral operations with former mineral workings backfilled by landfilling and a coated stone plant adjacent to and north of the rail loop. Surrounding land use includes agriculture. **Geology** The geology of the site is based on the British Geological Survey (BGS) Digital Geological map of Great Britain at 1:50,000 scale from the Envirocheck report reference 40013302_1_1 a copy of which is provided with this report. Generally the site is underlain by the Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated) bedrock with the exception of the area in proximity to the northern boundary where superficial Kesgrave Catchment Subgroup deposits overly the Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated) bedrock. **Hydrology** The River Colne is located approximately 85m north of the site boundary at its closest point and the direction of flow is generally south west. A surface water course called 'The Brook' is located approximately 270m west of the site boundary at its closest point and flows generally from south to north to its confluence with the River Colne approximately 330m north west of the site boundary. A small water body is located approximately 190m north east of the site boundary. Based on the Environment Agency flood map presented in the Envirocheck report the site is located generally in Flood Zone 1 which is defined in the Technical Guidance to the National Planning Policy Framework[1]. Flood Zone 1 comprises land assessed as having a less than 1 in 1,000 annual probability of river or sea flooding (<0.1%). No surface water abstraction licences are

[1] Technical Guidance to the National Planning Policy Framework, March 2012, Department for Communications and Local Government.

	recorded within 2km of the site in the Envirocheck report. **Hydrogeology** It is considered likely that the superficial Kesgrave Catchment Subgroup deposits have a moderate to high hydraulic conductivity and Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated) bedrock has a low primary hydraulic conductivity and a high secondary hydraulic conductivity imparted by fractures and fissures. The site is located in groundwater source protection zone 1. The superficial Kesgrave Catchment Subgroup deposits are defined as a Secondary A Aquifer and the Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated) bedrock is classified as a Principal Aquifer. Seven groundwater abstraction licences within 2km of the site are recorded in the Envirocheck report. The groundwater abstraction closest to the site is recorded approximately 100m north east of the site boundary and is used for mineral washing. The licence operator is Lafarge Aggregates Limited. Further details and locations of the groundwater abstraction licences are provided in the Envirocheck report.
Pollution history including: • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures	Information in respect of the pollution history at the site has been derived from the Envirocheck report, information available on the Environment Agency "What's in your backyard?" website and information provided by Lafarge Aggregates Limited. The site is located within the boundary of the Harper Lane complex. Historical maps from 1883 to 2012 have been reviewed. The map for 1972 shows the land at the site in agricultural use. The map for 1978 shows the Rail Loop. A site walk over survey was undertaken on 16 July 2012 by Lafarge Aggregates Limited. It is understood that based on the results of the site walkover there is

	no visual evidence of pollution at the site.
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No Contaminated Land Register Entries or Local Authority Pollution Prevention and Control Enforcements within 500m of the centre of the site are recorded in the Envirocheck report. No Pollution Incidents are identified by the Environment Agency within 500m of the centre of the site.
Baseline soil and groundwater reference data	Not relevant.
Supporting information	• Envirocheck Report number 40013302_1_1 dated 03 July 2012 • Historical maps supplied by Landmark Information Group • Information provided on the Environment Agency website • Site walkover survey conducted by Lafarge Aggregates Limited on 16 July 2012.

3.0 Permitted activities

Permitted activities	Environmental Permit number EPR/FB3139AU dated 27 February 2012 to operate waste operations described in standard rules SR2009No6 and number EPR/FB3139AU/V002 dated 9 March 2012 which adds waste operations described in standard rules SR2008No3 75kte.
Non-permitted activities undertaken	
Document references for: • plan showing activity layout; and • environmental risk assessment.	Site plan at Schedule 1 to Environmental Permit EPR/FB3139AU. Generic risk assessments for standard rules sets number SR2009No6 and SR2008No3 75kte dated 25 June 2012.

Note:

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (*Environmental Risk Assessment - EPR H1*) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as 'dangerous' under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

4.0 Changes to the activity	
Have there been any changes to the activity boundary?	If yes, provide a plan showing the changes to the activity boundary.
Have there been any changes to the permitted activities?	If yes, provide a description of the changes to the permitted activities
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	If yes, list of them
Checklist of supporting information	• Plan showing any changes to the boundary (where relevant) • Description of the changes to the permitted activities (where relevant) • List of 'dangerous substances' used/produced by the permitted activities that were not identified in the Application Site Condition Report (where relevant)

5.0 Measures taken to protect land	
Use records that you collected during the life of the permit to summarise whether pollution prevention measures worked. If you can't, you need to collect land and/or groundwater data to assess whether the land has deteriorated.	
Checklist of supporting information	• Inspection records and summary of findings of inspections for all pollution prevention measures • Records of maintenance, repair and replacement of pollution prevention measures

6.0 Pollution incidents that may have had an impact on land, and their remediation	
Summarise any pollution incidents that may have damaged the land. Describe how you investigated and remedied each one. If you can't, you need to collect land and /or groundwater reference data to assess whether the land has deteriorated while you've been there.	
Checklist of supporting information	• Records of pollution incidents that may have impacted on land • Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)	
Provide details of any soil gas and/or water monitoring you did. Include a summary of the findings. Say whether it shows that the land deteriorated as a result of the permitted activities. If it did, outline how you investigated and remedied this.	
Checklist of supporting information	• **Description of soil gas and/or water monitoring undertaken** • **Monitoring results (including graphs)**

8.0 Decommissioning and removal of pollution risk

Describe how the site was decommissioned. Demonstrate that all sources of pollution risk have been removed. Describe whether the decommissioning had any impact on the land. Outline how you investigated and remedied this.

Checklist of supporting information	• **Site closure plan** • **List of potential sources of pollution risk** • **Investigation and remediation reports (where relevant)**

9.0 Reference data and remediation (where relevant)

Say whether you had to collect land and/or groundwater data. Or say that you didn't need to because the information from sections 3, 4, 5 and 6 of the Surrender Site Condition Report shows that the land has not deteriorated.

If you did collect land and/or groundwater reference data, summarise what this entailed, and what your data found. Say whether the data shows that the condition of the land has deteriorated, or whether the land at the site is in a "satisfactory state". If it isn't, summarise what you did to remedy this. Confirm that the land is now in a "satisfactory state" at surrender.

Checklist of supporting information	• Land and/or groundwater data collected at application (if collected) • Land and/or groundwater data collected at surrender (where needed) • Assessment of satisfactory state • Remediation and verification reports (where undertaken)

10.0 Statement of site condition

Using the information from sections 3 to 7, give a statement about the condition of the land at the site. This should confirm that:

- the permitted activities have stopped
- decommissioning is complete, and the pollution risk has been removed
- the land is in a satisfactory condition.