

**bandana.shrestha**

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**From:** Dingley, John [john.dingley@environment-agency.gov.uk]  
**Sent:** 27 April 2012 12:34  
**To:** bandana.shrestha  
**Subject:** [Pending]Great Oak Surface Mine Scheme

Bandana,

Please see our comments below in response to your e-mail of 04 April.

Thanks

John Dingley

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FAO: Bandana Shrestha  
WYG Engineering  
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Lake View Drive  
Sherwood Business Park  
Annesley  
Nottingham  
NG15 0ED

**Our ref:** UT/2012/110331/01-L01  
**Your ref:**  
**Date:** 27 April 2012

Dear Sir / Madam

## **PROPOSED GREAT OAK SURFACE MINE SCHEME**

### **GREAT OAK ROAD, AUDLEY, STAFFORDSHIRE**

Thank you for your e-mail and enclosures which we received on 04 April 2012.

Having reviewed the information submitted the Environment Agency wishes to make the following comments.

#### **FLOOD RISK & DRAINAGE**

The site is shown on the Environment Agency's Flood Maps as being within Flood Zone 1, an area which has a low probability of fluvial flooding. There could however, be localised flooding problems that are not shown on our Flood Maps. This should be assessed as part of any Flood Risk Assessment (FRA).

The Environment Agency's records indicate that there are a number of 'ordinary watercourses' that flow through the site. The proposals for the site should ensure that the

watercourses remain in open channel, for both flood risk and ecological reasons. Should the proposals affect any watercourse, the Lead Local Flood Authority (LLFA) should be contacted as their consent may be required under the Land Drainage Act 1991. The LLFA for this site is Staffordshire County Council.

The FRA should also determine how the discharge of surface water from any proposed development is to be managed. The discharge of surface water from any proposed development should mimic that which discharges from the existing site. If a single rate of discharge is proposed, this is to be the mean annual run-off ( $Q_{bar}$ ) from the existing undeveloped greenfield site. If surface water is to discharge to mains sewer, the water company should be contacted for confirmation of the acceptable discharge rate. For discharges above the allowable rate, attenuation will be required for up to the 1% annual probability event, including allowances for climate change.

The discharge of surface water should, wherever practicable, be by Sustainable Drainage Systems (SuDS). SuDS, in the form of grassy swales, detention ponds, soakaways, permeable paving etc., which can help to remove the harmful contaminants found in surface water and can help to reduce the discharge rate.

During a severe rainfall event overland flow of surface water could cause a flooding problem. The FRA is to demonstrate how this risk is to be contained within the site, does not affect new buildings and how safe access and egress is provided.

Yours sincerely

**Mr James Kitchen**  
**Team Leader - Planning Liaison**

Please ask for John Dingley

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