

Allan Poyser

From: Andrew Radcliffe
Sent: Thursday 05 November, 2009 10:37 am
To: Allan Poyser
Subject: FW: Your Enquiry: RFI/2009/12254

-----Original Message-----

From: Riley, Stacey [mailto:stacey.riley@environment-agency.gov.uk]
Sent: 04 November 2009 3:51 pm
To: Andrew Radcliffe
Subject: Your Enquiry: RFI/2009/12254

Our Ref: RFI/2009/12254

Your Ref: 374/17/ARPjc

Dear Mr Poyser

RE: Burntwood Road Grimethorpe Barnsley

Thank you for your enquiry dated 26th October 2009.

This site is located in Flood Zone 1, which is land outside the floodplain as shown on the Environment Agency's Flood Zone Maps. We have no information relating to the risk of flooding, or any occurrence of flooding on this site. Our records are generally related to flooding from 'main rivers', therefore we suggest you consult the local authority who may have further information on localised flooding from other sources.

Surface Water information

We would recommend that there be no increase in surface water runoff from the new development. PPS25 recognises that the management of flood risk is not simply restricted to flood plains and that a catchment-wide approach should be employed. Greenfield development sites should balance surface water discharge to the 1 in 100 year greenfield run-off rate, this is considered to be 5 l/sec/ha.

If the existing site is shown to drain to a watercourse, then we would accept surface water from the re-developed site to drain to the watercourse, subject to flows been reduced by a minimum of 30% from the existing rate.

However, if the site does not drain to a watercourse at present, then flows must be attenuated to a maximum of 5 litres/second/hectare, and the balancing facility should be designed to accommodate a 1 in 30 year flow from the site and a 1 in 100 year flow retained within the site, without causing any flooding to buildings.

SUDs

We are keen to promote the use of sustainable drainage systems and draw attention to Annex F 'Managing Surface Water' of Planning Policy Statement 25 (PPS25).

If the site is classed as Brownfield surface water runoff from the re-developed site would need to be reduced by 30% from the existing rate. There are alternatives to conventional storage for the control of surface water run-off that are favoured by the Environment Agency where ground conditions are suitable.

Sustainable Urban Drainage techniques (SUD's) tackle surface water run-off problems at source

using features such as soakaways, permeable pavements, grassed swales, infiltration trenches, ponds and wetlands to attenuate flood peak flows, produce water quality improvements and environmental enhancements.

We would seek to promote the use of SUD's techniques to this site and expect the developer of the site to submit detailed investigations such that the use of SUD's has been fully explored.

More information on SUD's can be found at: <http://www.ciria.org.uk/suds/>

This information is based on data that is currently available to the Environment Agency and is subject to our standard notice. The Agency accepts no liability for any loss or damage arising from its use. The interpretation of the information is your responsibility.

If you require any further help, please do not hesitate to contact me.

Yours sincerely,

Stacey Riley

External Relations Officer

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