

From: James Bucknall
Sent: 10 Jun 2016 08:43:08 +0000
To: Planning and Development Shared Mailbox
Cc: Simon Kennedy; Havant Auto-Reply
Subject: Planning Application APP/12/01233 St Andrews House, 59-61 West Street, Havant, PO9 1LB

Good morning,

Thank you for consulting Portsmouth Water on the revised construction method for hardstanding car park areas at the above development.

Internal discussion has taken place regarding the proposed inclusion of a Terram Imbitex geotextile membrane between the binder course and sub base to mitigate the risk of hydrocarbons and heavy metals entering the ground - which is in close proximity to the Havant springs, an essential public water supply.

Our conclusion is that we do not see that this is an acceptable solution within an SPZ1 of a major water supply source, particularly considering that the nearest spring to the boundary of this site is within 20 metres.

Our specific comments:

- No detail of the geotextile membrane was provided to support the submission. Research on the internet (<http://www.greenspec.co.uk/green-products/geotextile-suds-filtration-separation-layer/details/hanson-formpave-inbitex/>) provided some information, with claims that a biofilm within the membrane could degrade up to 400g of hydrocarbons per year – there was no evidence on the website that supported this claim. Additionally, in the event that a significant spillage occurs and the membrane would be inundated with hydrocarbons and the microbes would potentially die-off and therefore provide no degradation of hydrocarbons.
- The same website above stated that the life expectancy of the membrane was unknown. This certainly provides no confidence that that this membrane would survive the expected lifetime of the development (100 years?).
- The above website also claims that “.....any non-degradable matter such as heavy metals and silts are trapped in the laying course.....”. This membrane may limit the movement of heavy metals to some degree, however it will not prevent the more mobile metals from entering the ground. Considering the unknown life expectancy of the membrane it is foreseeable that any trapped sediments/metals will in time be released to ground as the membrane integrity fades with time.

Whilst this system might help to prevent pollution control within a SUDs system in a low risk site, we do not believe that the proposed membrane will offer sufficient protection to the springs.

At present, an infiltration solution of the car park hardstanding area does not seem an appropriate solution at this site, given the sensitivities involved.

If you wish to discuss further please feel free to contact me on the details below.

Regards

James Bucknall
DWSP Scientist





Subject: FW: Planning Application APP/12/01233 St Andrews House, 59-61 West Street, Havant, PO9 1LB

From: planning.development@havant.gov.uk [<mailto:planning.development@havant.gov.uk>]

Sent: 31 May 2016 16:40

To: Head.Office@PortsmouthWater.co.uk <H.Office@portsmouthwater.co.uk>

Subject: Planning Application APP/12/01233 St Andrews House, 59-61 West Street, Havant, PO9 1LB

This email is a consultation request regarding the subject planning application, reference APP/12/01233.

Please note:

This consultation is based on a revised construction method following Portsmouth Waters previous comments in regards to this element of hardsurfacing on the site.

The attached letter contains contact details should you wish to discuss the application with the Case Officer.

To see the details of the application and associated documents on the Havant Borough Council website, follow [this link](#).

or

https://planningpublicaccess.havant.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=DCAPR_229099

If you require any further information please email planning.development@havant.gov.uk or telephone (023) 02392 446138.

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