

Dear Sir/Madam,

Thank you for consulting Portsmouth Water on the discharge of condition 4 for the above development.

Condition 4 is in relation to particulars specifying the layout, depth and capacity of all foul and surface water drains and sewers, and any sustainable urban drainage features proposed to serve the development and details of any other proposed ancillary drainage works/plant.

The site is located in within the catchment for the Havant and Bedhampton springs, an essential public water supply.

The drainage layout diagram 16-2754-2001, as submitted by the applicant, has been reviewed. It is noted that 2 boreholes into the underlying Chalk aquifer are proposed as the surface water drainage strategy. This type of drainage structure allows potentially contaminated water to by-pass the upper soils which have natural contaminant attenuation properties. The area discharging into these structures also includes the domestic garage areas – which can be associated with storage and use of potentially contaminating chemicals and hydrocarbons.

#### **Portsmouth Water's Position**

The DoC documents do not provide any details of the design of the borehole structures or any pollution prevention measures. Therefore at present Portsmouth Water cannot recommend the discharge of condition 4.

Portsmouth Water will only recommend the discharge of condition 4 if the developer can show that all of the following apply:

- there are no other feasible disposal options such as shallow infiltration systems that can be operated in accordance with current British Standards;
- the system is no deeper than is required to obtain sufficient soakage;
- pollution control measures are in place;
- risk assessment demonstrates that no unacceptable discharge to groundwater will take place, in particular that inputs of hazardous substances to groundwater will be prevented; and
- there are sufficient mitigating factors or measures to compensate for the increased risk arising from the use of deep structures.

Many thanks

Regards

Beth Fairley

RoSPA 2017 President's Award Winner

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