

From: David Easton
Sent: 10 December 2018 15:30
To: Planning.Responses
Subject: FW: F/19/18/EIS

From: Laura Gibbons
Sent: 06 December 2018 10:50
To: David Easton <David.Easton@arun.gov.uk>
Subject: F/19/18/EIS

Hi David,

Comments Regarding Water Resources and Flood Risk

Section 11 of the EIS states that testing will be carried out in accordance with BRE365 to determine infiltration potential. We will require this testing to be completed in the winter at appropriate depths and locations following full winter groundwater monitoring (October to March inclusive).

Due to the location of the site within a Secondary A and principal aquifer we would expect treatment in line with CIRIA C753 to be included within surface water drainage design before discharge via infiltration. If infiltration is found to be unviable and water is to be discharged to ditch and ultimately the River Arun we would again expect treatment of surface water in line with CIRIA C753 prior to discharge. Therefore, potential impacts upon water quality should be addressed in the surface water drainage design.

We would not accept surface water storage to occur within Flood Zone 2 as the free capacity required for surface water would not be guaranteed due to the risk of fluvial inundation. It should be noted that the scheme must take account of the effects of climate change upon flood zones and drainage proposals.

These details should be considered in the scheme design and the EIA.

Kind Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

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