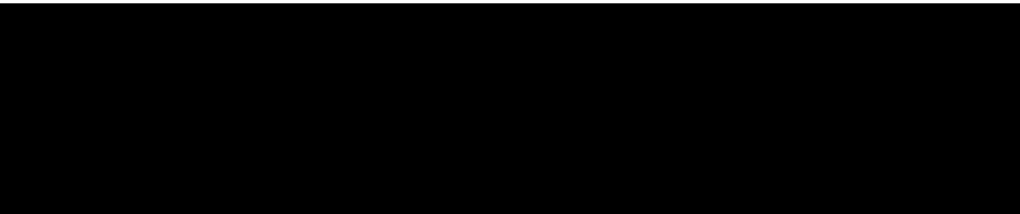




Consultation comments from ADC Coastal Engineer



Good morning Simon,

Apologies for the delay in response. I can confirm the following in response to Natural England's advice;

Condition 5:

- 1) Arun District Council's Coastal Engineer will be able to assess and confirm the position of the spit.
- 2) N/A
- 3) N/A
- 4) I am not happy with the suggestion that we can assess whether the proposals would lead to a breach of the spit. It would be inappropriate for Arun District Council, or anyone else, to wholly guarantee that excavating material from the spit will not lead to a breach scenario. Any reduction in the cross sectional volume of the spit could stimulate a breach, if it were to coincide with a storm or wave heights of corresponding magnitude. I would like to take the opportunity to make a clear distinction between a breach and the natural processes that could stimulate a breach, namely overwashing and overtopping. As described in 1) above, we would be able to work out the position of the spit and maybe provide an opinion as to the likelihood of breach but this must not be seen as authoritative.

Breach – Reduction or removal from the cross section of a defence/body/geomorphological feature that enables water to flow freely at Mean Sea Level (MSL)

Overtopping - The process where a small percentage of swash runs up to and on top of the beach crest.

Overwashing - The process in which swash flows pass-over the beach crest and flow down the back-side of the sediment accumulation. Generally only observed when the beach is part of a freestanding barrier or where sediment has accumulated to form a geomorphological feature in its own right

Beach Crest – The highest point on a beach face. Typically represented as the limit of spring tide storm wave run-up.

Mean High Water Springs (MHWS) – The average throughout the year, of two successive high waters, during a 24-hour period in each month when the range of the tide is at its greatest.

It should therefore be understandable that provided the activity does not excavate beyond MSL it would not constitute an engineered "breach". Conversely, if the excavation were to excavate beyond Mean High Water Springs (MHWS) it could, in my opinion, be argued that the works are facilitating conditions that could stimulate a breach. However, the planning application does not consider the compensation measures as a scheme in isolation. Therefore, the application, which has been granted planning permission, is for excavations beyond MSL utilising the excavated material to provide compensation in advance of the engineered breach.

Kind regards,
Karl McLaughlin

[REDACTED]

Arun is working in Partnership with Chichester District Council. Visit our web sites at www.arun.gov.uk and www.chichester.gov.uk



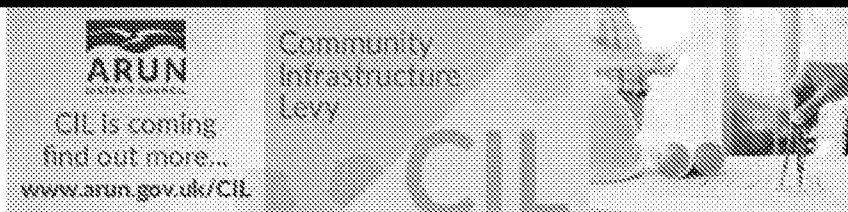
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[REDACTED]

Please see NE comments FYI.

Can you confirm re condition 14 that there is a tidal gauge in place which is monitoring tidal height & flow. Please also note Angela's notes at points 1) & 4) under Condition 5 where she states that there will be a requirement for checking of the existing situation by ADC Engineers.

Kind Regards



Visit Arun's web site at www.arun.gov.uk



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[REDACTED]

Dear Both,

Part 5 of The Town & Country Planning (Development Management Procedure) Order 2015.
Approval of details reserved by conditions imposed under P/97/15/PL

Please find attached Natural England's advice regarding the planning conditions for the above.

Kind regards,
Angela



Working hours compressed full-time Mon-Thurs.
Non-working day Friday.
www.naturalengland.org.uk

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