Outlook

RE: Maer Lane STW Outfall Coastal Modelling

From

Date Fri 6/12/2026 3:59 PM

To [redacted]

Cc

Hi [redacted]

The modellers have reviewed the information that was submitted and require clarification on a few points as well as data for Budleigh Salterton BW.

Sandy Bay and Lyme Bay shellfish waters

- Early near-zero values at the start of the model run (prior to the model reaching equilibrium) may be influencing the geometric mean values, as observed in some figures (e.g. LB1, LB12 and SB1). Clarification is required on whether these values have been included in the geometric mean calculations.
- The geometric mean is highly sensitive to the treatment of zero values. The geometric mean values for some locations (e.g. LB2, LB3, SB2) are lower than expected based only on the distributions shown in the figures. Clarification is required on the methodology used, including any substitution values, thresholds, or transformations applied prior to log averaging.
- No graphical data was provided for the offshore beds quoting 'Responses too small to represent graphically for both offshore harvesting areas off Lyme Bay West (Z1 and Z2)'.

Sandy Bay Bathing Waters

- The plots provided don't seem to correspond to the reported 95%ile values. The reported 95%iles are higher than the range of values shown in the corresponding figures (SB_BW1, SB_BW2, SB_BW3, and SB_BW4). This suggests a mismatch between the plotted data and the statistics presented. Clarification is required.

Budleigh Salterton bathing waters

- There wasn't any data regarding Budleigh Salterton bathing waters even though it was included on previous reports. Is it possible to provide a quick model run to show their

updated flow and diffuser impacts on the Budleigh BW?

The meeting to discuss the LEP is on the 17 th so please can you ensure that there is a quick turnaround on the response so that the modellers will have time to review the submission ahead of the meeting.

Kind regards

[redacted]

[redacted]

All

Please find attached the initial summary results from the hydrodynamic modelling undertaken in support of the permit application for the use of the new long sea outfall and diffuser arrangement off Straight Point. This modelling represents the proposed Phase 1 works under the current design horizon with the increased FPF from both Maer Rd and Phear Park SPSTs, the removal of the Maer Rd SPST inhibit and the use of the new outfall and diffusers. The model has been run under continuous maximum flow conditions for one month and is therefore extremely conservative in terms of flows and covers both neap and spring tidal cycles.

For reference I have also attached the original modelling assessment report including model build details in the appendices.

Best regards,

[redacted]

[redacted]

[redacted]

[redacted]

Classification: BUSINESS