

Updates to Application Documents submitted in November 2022

Nutrient Neutrality Analysis Update Report (October)

- This document replaces the version dated July 2022
- All minor typographical errors regarding units in the NN July assessment (due to missing up of kg TN/yr and kg TP/yr) have been corrected although they didn't cause any material impact on the previously nutrient budget calculations
- Sections 4, 5, 6 and 7 have been updated to reflect the current permit concentrations at Sellindge WwTW (for Option 2), as shown in the latest Stodmarsh Nutrient Neutrality Calculator

The previous July 2022 nutrient budget calculations and mitigation requirements associated

- with Sellindge WwTW (for Option 2), including associated correspondence with the Environment Agency and Southern Water in relation to the alternative discharge permit values (0.3 mg TP/l and 25 mg TN/l) used for accommodating Otterpool Park also provided in Appendix D as supporting information.
- Section 6 has been updated to address the identified shortfall in wetland area for Option 1 (Onsite WwTW) under both PCC scenarios, which involves extending some of the previous wetlands as well as reconfiguring the suitable SuDS areas (with surplus storage capacity and footprint area) into stormwater wetlands/bio-retention areas to maximise their nutrient removal ability and wider benefits. – the reconfigured SuDS stormwater wetlands are now designed to hold up to 200mm depth of permanent shallow water by slightly deepening the overall SuDS excavation depth to 1.2m.
- Previous hydraulic loading calculations have been updated to check the treatment storage depths and hydraulic retention times/ hydraulic loading rates to reflect the proposed revisions to demonstrate the technical suitability of identified mitigation land to be used as additional stormwater wetlands for achieving nutrient neutrality – Appendix E gives the updated hydraulic loading calculations.
- Sellindge WwTW (Option 2) has been now discounted for the Proposed Development, but it may be revisited by the applicant for the later development should availability of potential future catchment-wide solutions and nutrient credits become available.
- Clarification provided that proposed mitigation will be implemented as per an agreed and phased implementation plan with NE and the LPA for each development phase or multiple phases.
- AECOM's Draft Nitrogen and Phosphorus Nutrient Neutrality Habitats Regulations Assessment (September 2022) has been included as Appendix F.