

Environment Agency quick reference and breakdown of Hinkley Point C (HPC)'s main supporting information report (ref: 101121252) for the sewage treatment plant (STP) permit variation (also known as the 'HAJ plant') application (reference 'EPR-XP3321GD/V005')

10/07/2023: Environmental permit variation application: HPC construction STP variation application contained copies of application forms Part A, Part C2, Part C6 and Part F1 (although an updated copy of Part F1 was provided on 11/07/2023 as an out-dated version had been used), and a main supporting report (ref: 101121252) containing Appendices A to D (as explained below)

The main supporting PDF report (ref: 101121252) forms a total of **194 pages**, broken down as follows:

Section 1 – Introduction and non-technical summary: Pages 3 to 7 of the PDF

- Page 1 and 2 are for doc reference and internal HPC governance purposes
- **Non-technical summary:** Page 3
- **Contents:** Page 4
- Page 5 is blank
- **Purpose (Section 1.1):** Page 6
- **Scope (Section 1.2):** Page 6
- **Summary description of the proposed variation (Section 1.3):** Page 6
- **Contents of report (Section 1.4):** Page 7
- **Definitions (Section 1.5):** Page 7

Section 2 - Current water discharge activity: Pages 8 to 11 of PDF

- **Description of designed plant (Section 2.1):** Pages 8 to 9
 - **Compliance challenges (Section 2.1.1):** Pages 9 to 10
 - **Plant amendments to support compliance (Section 2.1.2):** Page 10
- **Further site development (Section 2.2):** Page 11
 - **Proposed plant upgrades (Section 2.2.1):** Page 11

Section 3 – Proposed variation: Pages 12 to 14 of PDF

- **Predicted flow rates (Section 3.1):** Page 12
- **Predicted composition (Section 3.2):** Pages 12 to 13
- **Environmental assessment (Section 3.3):** Pages 13 to 14

Section 4 – Conclusions: Page 15 of PDF

Section 5 – References: Page 16 of PDF

Appendix A (Pages 17 to 72 of PDF): TR581 revision 04 (a 55 page report) - Assessment of ammonia discharges associated with treated sewage and commissioning at HPC (a draft copy of this report (TR581 rev 02) was previously shared by HPC for OCS review (for which we responded with high, medium and low priority comments/issues on 26/05/2023).

Appendix B (Pages 73 to 184 of PDF): TR428 revision 14 (a 111 page report) - HPC construction discharge modelling assessment at the temporary jetty location.

Appendix C (Pages 185 to 193 of PDF): Ammoniacal nitrogen and DIN data for outlet 12 effluents

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Appendix D (Page 194 of PDF): Modelling and calculation files (this page states that these files will be provide separately by HPC)

Dates that other additional information has been provided by HPC to support their permit variation application:

12/07/2023: HPC has via e-mail provided the following additional supporting info for the variation application:

1. An excel version of the data provided in Appendix C (Ammonical nitrogen and DIN data for Outlet 12 effluents) of the main permit variation application report to facilitate any analysis you may wish/need to do
2. The calculation spreadsheet from CEFAS to support the results presented in their report TR581 which forms Appendix A in the application report.

06/09/2023: HPC's response letter to our request for information letter (RFI) dated 11/08/2023, including a spreadsheet (MS Excel format) which includes HPC's detailed responses to our queries listed in the RFI letter.

22/09/2023: Updated version of technical report TR581 (revision 05), along with discharge data (in MS Excel format) provided to us in response to our request for information letter (RFI) letter dated. This replaces Appendix A (TR581 revision 04) of the main support application document (pages 17 to 72 of the PDF) provided to us on 10/07/2023.

07/11/2023: Copy of a new technical report TR550 revision 03 (Hinkley Point C combined construction and commissioning Jetty discharge – Evidence to inform Habitats Regulations Assessment (HRA), an 82 page report) provided to us by HPC to support their variation application.

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