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To: [REDACTED]
Cc: [PSC-WaterQuality](#)
Subject: Supporting data for Construction Water Discharge Activity Permit Variation - EPR/JP3122GM
Date: 06 October 2023 16:37:02
Attachments: [image001.png](#)
[tr428-hp_construction_discharge-modelling-assessment_rev-14.pdf](#)
[101174456 CWDA v011 EnvRA.xlsx](#)

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Hi [REDACTED],

Please find attached the following documentations in response to the request for further information, relating to the CWDA variation 11 (EPR/JP3122GM).

100805769 - Cefas BEEMS Technical Report TR428; Hinkley Point C construction discharge modelling assessment at the temporary jetty location

101174456 - Construction Water Discharge Activity Permit Variation 011 – Environmental Risk Assessment spreadsheet

Here is a summary table of the calculations for the H1 tests.

Contaminant	DIN groundwater	Total cadmium	Total chromium
Assessed discharged concentration $\mu\text{g l}^{-1}$ (Maximum Value)	15000	3.000	144
Saltwater AA EQS $\mu\text{g l}^{-1}$	2520 ¹	0.2	0.6
Saltwater MAC EQS (as 95%ile) ($\mu\text{g l}^{-1}$)		-	32
Background concentration ($\mu\text{g l}^{-1}$)	1050	0	0.02
Test 1	Fail	Fail	Fail
Test 2	n/a	n/a	n/a
Test 3	pass	pass	pass
Test 4	Pass	Pass	Pass
EVF Case C (AA)	0.03	0.69	11.42
EVF Case C (MAC)	n/a	n/a	0.21
TraC Water test 5 EVF < 3.0 Pass/Fail	Pass	Pass	Pass

The documents have been formally submitted into Teamcenter which should be shared with you imminently.

Please contact me if you have any questions on this, I'll be happy to provide any further information.

Many thanks

James

James HOLBROOK (he/him)

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