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Environment Agency
c/o The Joint Programme Office
New Reactor Programme
4S.2 Redgrave Court
Merton Road
Bootle
L20 7HS

File Ref: 101069801
Unique Number: EA-HPC-21667Y
Your Ref.: n/a

[16/12/2022]

For the attention of (redacted), Senior Permitting Officer

Dear (redacted),

FOR DETERMINATION: APPLICATION TO VARY HINKLEY POINT C ENVIRONMENTAL PERMIT EPR/HP3228XT

Please find enclosed an application to vary environmental permit number EPR/HP3228XT: Hinkley Point C (HPC) Operational Water Discharge Activity.

This application is being made in consideration of advice provided by the Secretary of State: Department of Environment, Food, and Rural Affairs (and subsequent discussions with the Environment Agency), and to reflect the Environment Agency's draft decisions on determination of the Sizewell C operational water discharge activity environmental permit.

The purpose of the application is to remove all references to the proposed Acoustic Fish Deterrent (AFD) system and to align the conditions within the permit to those associated with regulating the potential impacts of cooling water and trade effluent discharges (water quality), rather than those of cooling water abstraction (fish impingement). The application also seeks to add to the permit the discharge of seawater and impinged biomass from the fish recovery and return system as a waste stream (Waste Stream H).

As advised, I have ensured that this application to vary the operational water discharge activity permit is comprised of the relevant contents of the previous application to vary the permit, submitted to the Environment Agency on 15 February 2019.

The parts of the permit that require varying to remove reference to abstraction controls, and specifically the AFD system are:

- Table S1.2 Operating Techniques (page 8, rows 3 and 9): removal of references to AFD.
- Table S1.4 Pre-Operational Measures:
 - PO2 (page 11): removal of reference to AFD
 - PO8 (page 14): removal of reference to AFD
 - PO11 (page 15): removal of reference to "impacts related to abstraction of cooling water".

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It is important to note that this application does not seek to remove any conditions from the permit, and only seeks to amend pre-operational measures and operating techniques to remove references to the AFD and impacts related to the abstraction with cooling water.

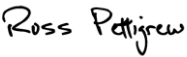
In no way does mean that these activities/potential impacts will avoid regulatory scrutiny and control as the removal of the AFD system and assessment of potential environmental impacts will be the subject of forthcoming applications to vary the HPC Development Consent Order (DCO) and Marine Licence, of which the Environment Agency is a Statutory Consultee.

This ensures that any potential impacts related to abstraction of cooling water will be robustly regulated through the HPC DCO and the Marine Licence, whilst avoiding duplicate regulation through the environmental permit.

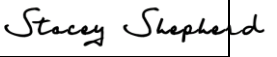
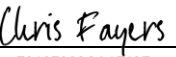
The full narrative around the history and reason for this application is provided in the enclosed Non-Technical Summary (101067444) and the other enclosed application documents.

Should you have any questions or comments please do not hesitate to contact me.

Yours sincerely,

DocuSigned by:

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Ross Pettigrew
 Environmental Technical Manager
 NNB Generation Company (HPC) Limited
RIO@nnb-edfenergy.com

NNB GenCo Review	Name	Signature
Peer Check	Stacey Shepherd (Regulatory & Licensing Officer)	DocuSigned by:  62BC8F9A68714E3...
Independent Verification	n/a	
Approval	Chris Fayers (Head of Environment)	DocuSigned by:  73187062CA1542F...

Copy: Richard savage

Enclosures

	Document Title	EDRMS Reference Number	Version Number	Protective marking	Transmitted via
1.	HINKLEY POINT C OPERATIONAL WATER DISCHARGE ACTIVITY ENVIRONMENTAL PERMIT VARIATION APPLICATION: NON-TECHNICAL SUMMARY	101067444	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal

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2.	Hinkley Point C Cooling Water Infrastructure Fish Protection Measures: Report to Discharge DCO requirement CW1 and Marine Licence Condition 5.2.31	100186617	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
3.	TR479 – Particle Tracking Study of Impinged Sprat from the Proposed Hinkley Point C Fish Recovery and Return.	100805628	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
4.	TR515 - Hinkley Point C Water quality effects of the fish recovery and return system	100805626	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
5.	Updated Report to Inform the Habitats Regulations Assessment.	100161830	3.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
6.	SPP105 - Predicted performance of the HPC LVSE intake heads compared with the HPB intake	100889387	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
7.	SPP112 - Hinkley Point C impingement predictions corrected for Hinkley Point B raising factors and cooling water flow rates (and supporting raw data files)	100874130	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
	TR456 - Revised Predictions of Impingement Effects at Hinkley Point C - 2018	100805583	4.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
8	HINKLEY POINT B COMPREHENSIVE	101042348	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal

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	IMPINGEMENT MONITORING PROGRAMME 2021 - 2022				
9	Hinkley Point B RIMP data 2018-19	101069823	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
10	HPC Operational WDA Permit - AFD Variation Application Form	101069824	1.0	NOT PROTECTIVELY MARKED	Teamcenter transmittal
11	Continuation Sheet (Directors)	100232276	1.0	UK PROTECT – PROPRIETARY	Teamcenter transmittal