

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: EA IR [No.2] - SZC Response (TR493)
Date: 24 June 2021 19:09:58
Attachments: [image005.png](#)
[image006.png](#)
[image008.png](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)

Hi [REDACTED],

Further to the information submission made earlier today, please find below the SZC response (in red) to the following IR.

IR [No.3]

- a. *Please confirm if the proposed Sizewell visitor centre will be connected to the proposed private foul sewage system serving SZC, and if the proposed population of 135 people is included within the proposed discharge volume/loading calculations of 90 and 190 m³/day (or if these volumes, and proposed loadings within table 4.1.26 of the SZC WDA permit supporting report 100232385 need to be revised). If the proposed Sizewell visitor centre is not to be connected to the SZC foul sewerage infrastructure, please confirm what the proposals are for removal of the foul/sanitary effluent).*

At present the maximum discharge proposed for Waste Stream G is based upon 1900 staff on site. This is an estimate and may need to be revised in the future as more learning comes through from HPC. At present, the 1900 figure does not include the visitor centre as one is not included for HPC. Details of the SZC visitor centre have not been finalised so any effluent generated here will need to be considered at some point in the future.

- b. *Please clarify and confirm whether or not any laundry facilities and generated effluent will be treated and discharged via waste stream G (or any other waste streams from SZC)? Section 4.4.26 of Environmental Statement 6.3 - Volume 2 Main development site - Chapter 4 (via the above web-link) references that the sewage system would typically collect black and grey wastewater from kitchens, lavatories and laundry rooms. In WDA supporting report 100232385, 'laundry' is referenced within HVL (Hot laundry) and SBE (Laundry, Maintenance and Decontamination Services) via waste stream B (Trade effluent from operations within the nuclear island waste monitoring and discharge system). In your e-mail dated 06/08/2020, the SZC WDA comments excel spreadsheet (response row 42) states the following regarding laundry facilities at SZC: 'In line with HPC the laundry has been removed from system so no longer appears in waste stream B/C'.*

The GDA UK EPR design included a laundry building and provision of active laundry services linking to the SBE system in the HVL building and therefore associated waste streams. During the detailed design for HPC, to close out the site specific GDA Assessment Finding (AF-UKEPR-RP-08), HPC undertook an assessment which resulted in the removal of laundry services from HPC as an RC2 design change. This took into account Best Available Techniques (BAT) and the As Low As Reasonable Practicable principle. In order to not foreclose any future changes for active laundry strategy and ensure a reversible solution, the laundry building was left on the plot plan along

with connections to the laundry room.

Following the replication strategy for SZC, this is the status that was used for the starting point and permitting at SZC. Discharges from laundry as part of waste stream B/C were therefore not applicable. A similar strategy for provision of active laundry treatment will need to be developed for Sizewell C. The key difference will be in relation to the site geographical size constraints which may make installation of an on-site active laundry more challenging than at HPC, either in the more immediate future or should Sizewell C decide to follow the same approach as HPC in not foreclosing installation at a later date. The GDA AF will need to be appropriately addressed and closed out for SZC. In applying BAT, SZC do not intend to re-produce the optioneering conducted at HPC with the exception of addressing any site-specific parameters. The active laundry strategy for SZC will be confirmed via the GDA AF closure form. The ONR and EA will be engaged with throughout the process to ensure alignment between all parties.

Effluent generated from laundry facilities is not intended to be discharged via any other waste stream at SZC.

Responses to IRs [No.1 & No.4] are still being developed and we endeavour to have these with you as soon as possible

As ever, please do get in contact with the team should you have any queries.

Best,

[Redacted]

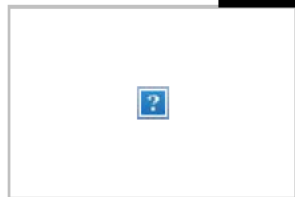
[Redacted]

Environmental Engineer

Sizewell C Project

90 Whitfield Street, London, W1T 4EZ

MS Teams Number: [Redacted]



From: [Redacted]

Sent: 24 June 2021 14:39

To: [Redacted]

Cc: [Redacted]

[Redacted]

Subject: EA IR [No.2] - SZC Response (TR493)

Hi [Redacted],

I hope you are well.

Our team is in the process of developing the necessary responses to the EA's Information Requests (IRs) as submitted to SZC Co. The first of these responses is now ready for your review.

Please find below the SZC response (in red) to the following IR.

IR [No.2]

Please provide a copy of the latest version of the following report, as referenced within section 4.7.3 (page 48) of TR406 v7 (Sizewell C – Impingement predications based upon specific cooling water system design): TR493 (please provide the most up to date version): The effect of not fitting an AFD system at HPC on the operation of the HPC FRR systems.

In response to this IR please find the second revision of 'TR493: The effect of not fitting an AFD system at HPC on the operation of the HPC FRR systems', attached to this email. Let me know whether you want this uploaded to the DEFRA ShareFile.

Responses to IRs [No.1, No. 3 & No.4] are still being developed and we endeavour to have these with you as soon as possible

As ever, please do get in contact with the team should you have any queries.


Best,

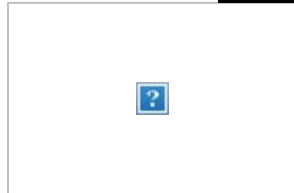


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