

29 October 2020

Contact: *Justine Clarke*
Telephone: *02 9865 2402*
Our ref: *D2020/115033*

Shaun Williams
NSW Department of Planning, Industry and Environment
Locked Bag 5022
PARRAMATTA NSW 2124

Dear Mr Williams

Input on SEARs – Kemps Creek Data Centre (SSD-10101987)

Thank you for your referral dated 16 October 2020, seeking WaterNSW's input into the SEARs for the proposed Kemps Creek Data Centre (SSD-10101987). The proposal seeks approval for the construction and operational use of a Data Centre, within the Kemps Creek Warehouse, Logistics and Industrial Facilities Hub (SSD-9522).

The subject site lies 930 metres south of WaterNSW's Warragamba Pipelines controlled areas corridor, which contains critical water supply infrastructure transporting raw water from Warragamba Dam to the Prospect water filtration plant. Notwithstanding, WaterNSW notes that both current and post development site discharges reach the Pipelines corridor downstream. WaterNSW also understands that the development is subject to bulk earthworks and infrastructure works under the concurrent SSD-9522 application.

WaterNSW has reviewed the scoping report submitted by Willow Tree Planning on behalf of Urbis and offers the following comments and requirements for your consideration.

WaterNSW's main concern is the potential effects on the metallic Warragamba Pipelines from the proposed substation development within the site. Of specific concern are matters covered by applicable AS/NZS 4853:2012 Electrical hazards on metallic pipeline. WaterNSW would like the applicant to assess the risk to the Warragamba Pipelines in respect of the below items.

1. *Earth potential rise (EPR) from an earth fault causing step and touch voltages on or near the pipeline*
2. *Low frequency induction (LFI) Induced voltages on the metallic pipeline, and*
3. *Capacitive coupling.*

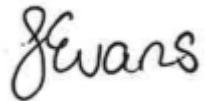
The Environmental Impact Statement (EIS) should also include:

- *an assessment of the impacts of the proposed development on drainage paths. The EIS should model pre- and post-development flows that enter and leave the site, and the cumulative impacts when waters reach and are conveyed across the Pipelines corridor*
- *demonstrate that upstream development will not impact on the pipelines corridor*
- *demonstrate effective erosion and sediment controls to mitigate downstream impacts.*

WaterNSW would appreciate being advised when the EIS is exhibited for further review, and requests the Department continues to consult with us on any development that may impact on our assets, infrastructure or land, using the email address Environmental.Assessments@waterNSW.com.au.

If you have any questions regarding this letter, please contact Justine Clarke at justine.clarke@waterNSW.com.au.

Yours sincerely

A handwritten signature in black ink that reads "J Evans". The signature is written in a cursive, flowing style.

JESSIE EVANS
A/ Manager Catchment Protection