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Jak McAlister

CDC Data Centres

**RE: EASTERN CREEK CDC DATA CENTRES
Original Major Project MP 10_0142 (Hewlett Packard Data Centre) Transition to
SSD-10330
Stormwater Assessment Memo**

Original Major Project – MP 10_0142 (Hewlett Packard Data Centre)

The original data centre development at the site was approved on 7 December 2010 under Part 3A of the Environmental Planning and Assessment Act 1979 as Major Project MP 10_0142 (Hewlett-Packard Data Storage Project). The Part 3A approval established the foundational electrical infrastructure required to support a high-reliability data centre, recognising the critical need for continuous and uninterrupted power supply to enable 24-hour operations. In particular, the approval included:

- Construction of a high-voltage electrical switching station to provide a secure and reliable connection to the electricity network.
- Installation of associated electrical infrastructure, including transformers, switchgear and internal distribution systems, to enable on-site power supply to the data halls.

The MP provides the original establishment context for the high voltage plant at the site.

State Significant Development – SSD-10330

In July 2020, development consent was granted for SSD-10330, which approved a major expansion of the data centre campus. Alongside new data centre buildings (Buildings E3, E4, E5 and E6) and associated generators and back-up power systems, the SSD approved the augmentation of servicing and infrastructure required to support the expanded operation, including expansion of the onsite 132 kV substation.

Accordingly, SSD 10330 is the operative consent governing the configuration, expansion and environmental performance of the high voltage electrical infrastructure supporting the expanded data centre. The existing substation configuration, including multiple transformers and associated switch rooms, has therefore been lawfully established within the SSD 10330 consent framework.

At the time of writing, four (4) transformers and accompanying switch rooms are operating within the existing high voltage plant in support of data centre operations, consistent with the infrastructure approved under SSD 10330.

The proposal seeks to modify SSD 10330 as follows:

- Installation of a new switch room with 11 kV switchgear.
- Installation of a new (fifth) Transformer; and
- Replacement of the existing Transformer 1 and 2.

Design with community in mind

Stormwater Assessment

The proposed new infrastructure does not increase the impervious area of the site and therefore will have negligible impact of runoff volumes in all major storm events. In addition, the location of works is within an area which has existing stormwater pits that can be reutilised and an oil separator suitably located.

Based on the proposed amendment to transformers and switchgear to the existing site, we can confirm that the existing stormwater network and water quality system (including oil separator) will have adequate capacity and layout for use under the proposed adjustment.

Please feel free to contact me if you have any questions.

Kind Regards,

A handwritten signature in black ink, appearing to read 'J Bramley', with a stylized, cursive script.

Jackson Bramley BE (Civil) MIEAust NER

Associate Director, Civil Team Lead