

## Patrick Copas

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**From:** Brendan.M Hurley [REDACTED]  
**Sent:** Tuesday, 8 December 2020 1:04 PM  
**To:** Patrick Copas  
**Cc:** Fire Safety  
**Subject:** Macquarie Park Data Centre (SSD-10467). BFS20/3784

### Macquarie Park Data Centre (SSD-10467)

Dear Patrick,

Fire & Rescue NSW (FRNSW) acknowledge the receipt of your email on the 19<sup>th</sup> November 2020, requesting input on the Macquarie Park Data Centre (SSD-10467).

It has been the experience of FRNSW that large isolated buildings involving the storage of dangerous goods including lithium-ion batteries pose unique challenges to firefighters when responding to and managing an incident. Factors such as high and potentially hazardous fuel loads, facility layout, and design of fire safety systems have a significant impact on the ability to conduct firefighting operations safely and effectively. Consultation with organisations such as FRNSW throughout the development process enables the design and implementation of more effective fire safety solutions that help to mitigate the impact of incidents when they occur.

FRNSW have reviewed the documentation that was provided in support of the development and provide the following comments and recommendations for consideration:

- FRNSW notes that a SEPP 33 screening assessment has been conducted.
- That a comprehensive Emergency Response Plan (ERP) is developed for the site.
- That the ERP specifically addresses foreseeable on-site and off-site fire events and other emergency incidents (such as fires involving dangerous goods and battery energy storage systems) or potential hazmat incidents.
- That the ERP details the appropriate risk control measures that would need to be implemented to safely mitigate potential risks to the health and safety of firefighters and other first responders.

Such measures will include the level of personal protective clothing required to be worn, the minimum level of respiratory protection required, decontamination procedures to be instigated and minimum evacuation zone distances.

- Other risk control measures that may need to be implemented in a fire emergency (due to any unique hazards specific to the site) should also be included in the ERP.
- That two copies of the ERP (detailed in recommendation 1 above) be stored in a prominent 'Emergency Information Cabinet' located in a position directly adjacent to the site's main entry point/s.
- Once constructed and prior to operation, that the operator of the facility contacts the relevant local emergency management committee (LEMC). The LEMC is a committee established by Section 28 of the State Emergency and Rescue Management Act 1989. LEMCs are required to be established so that emergency services organisations and other government and non-government agencies can proactively develop comprehensive inter agency local emergency procedures for significant hazardous sites within their local government area. The contact details of members of the LEMC can be obtained from the relevant local council.

- It is recommended that an emergency services information package (ESIP) be developed for the site and access to this document be provided to emergency service organisations.  
[https://www.fire.nsw.gov.au/gallery/files/pdf/guidelines/guidelines\\_ESIP\\_and\\_TFP.pdf](https://www.fire.nsw.gov.au/gallery/files/pdf/guidelines/guidelines_ESIP_and_TFP.pdf)
- FRNSW recommends that if a number of performance solutions are identified for the proposal, the identified performance solutions are required to be addressed and approved through consultation with FRNSW and the submission of a fire engineering brief questionnaire (FEBQ).
- FRNSW notes (page 15-3) that the facility will involve the storage and usage of 291,200kg of diesel and approximately 32,160 battery units (lithium-ion batteries). FRNSW recommends as a Condition of Consent that a Fire Safety Study (FSS) be prepared for the site and submitted to FRNSW for review and determination. The FSS should be developed in consultation with and to the satisfaction of FRNSW.

For further information please contact the Fire Safety Infrastructure Liaison Unit, referencing FRNSW file number BFS20/3784. Please ensure that all correspondence in relation to this matter is submitted electronically to [firesafety@fire.nsw.gov.au](mailto:firesafety@fire.nsw.gov.au).

Regards  
Brendan



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