

From: [Brendan M Hurley](#)
To: [Bruce Zhang](#)
Cc: [Fire Safety](#)
Subject: Notice of Exhibition - Kariong Sand and Soil Supplies Facility (SSD-8660). BFS20/2667
Date: Wednesday, 9 September 2020 11:55:08
Attachments: [image002.png](#)
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Notice of Exhibition - Kariong Sand and Soil Supplies Facility (SSD-8660)

Dear Bruce,

Fire & Rescue NSW (FRNSW) acknowledge the receipt of your email on the 26th August 2020, requesting input into the amended Environmental Impact Statement (EIS) and a Response to Submissions (RtS) Report for the Kariong Sand and Soil Supplies Facility (SSD-8660).

It has been the experience of FRNSW that waste recycling facilities 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.

FRNSW submit the following general comments and recommendations for consideration:

- It is recommended that the an emergency plan for the waste facility in accordance with *AS 3745–2010 Planning for emergencies in facilities* be prepared for the development. An external consultant should be engaged to provide specialist advice and services in relation fire safety planning and developing an emergency plan.
- The fire safety study report should detail the layout of the proposed automatic sprinkler system for the site.
- The fire safety study report should provide evidence of the hydraulic calculations for the *sprinkler* and *hydrant* systems.
- A compliant fire hydrant system for the *entire* site including the following items; pressure, flow rates, layout, coverage, design, accessibility, connection points and isolation valves, as per *AS 2419.1 – 2005 standard*.
- It is recommended that the fire safety study report provide evidence (details) of existing fire protection equipment (currently in place) and proposed additional equipment/systems.
- The fire safety study report referenced the 2018 version of the FRNSW fire safety in waste facilities guideline document which has been updated and the February 2020 version is available.

https://www.fire.nsw.gov.au/gallery/files/pdf/guidelines/guidelines_fire_safety_in_waste_facilities.pdf

If you have any queries regarding the above please contact the Fire Safety Infrastructure Liaison Unit, referencing FRNSW file number BFS20/2667. Please ensure that all correspondence in relation to this matter is submitted electronically to firesafety@fire.nsw.gov.au.

Regards
Brendan



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PREPARED FOR ANYTHING.

www.fire.nsw.gov.au



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