



NSW RURAL FIRE SERVICE



Mr Matthew Spooner
Senior Project Manager
Property, Infrastructure and Operations
Taronga Conservation Society Australia
Taronga Zoo, Bradleys Head Road
Mosman NSW 2088

Your reference: SSD 7419
Our reference: D16/2436

25 June 2018

Dear Sir/Madam,

Modification to proposed new habitat and eco-tourist facility at Taronga Zoo Bradleys Head Road Mosman

Reference is made to your correspondence dated 27 March 2018 seeking advice regarding the automated sprinkler systems recommended for proposed Pod C and Pod D in the response from the New South Wales Rural Fire Service (NSW RFS) issued on 10 August 2016.

Based on further review of the assessment of bush fire risk to the proposal, it is confirmed that Flame Zone is applicable to the proposed footprints (pods not specified) for a setback of 40 metres to dry sclerophyll forest on >15-18 degrees down slope on the eastern aspect. This is reflected in the NSW RFS response dated 10 August 2016 which states that *the location of the proposed accommodation structures results in potential direct flame contact from a bush fire in the adjacent Sydney Harbour National Park to the east.*

Notwithstanding, the proposal has been considered as an alternate solution under the assessment pathway for ecotourism, in accordance with NSW RFS Community Resilience Fast Fact 1/14 titled *Ecotourism*. In this regard, the accommodation structures have been deemed *expendable* and the inclusion of construction requirements proposed as part of the fire engineered solution (including the application of bush fire attack levels (BALs) proposed for the pods) have been considered acceptable. The provision of safe pedestrian and vehicular access to a place of refuge that complies with the 10kW/m² radiant heat levels, and the provision of adequate emergency and evacuation procedures for the total capacity of the proposed accommodation facilities have been given special emphasis in evaluating compliance.

The recommended condition numbered 4 in the NSW RFS response dated 10 August 2016 has been included to offer protection to the facades, stairs and walkways most exposed to bush fire risk posed by the bush fire prone vegetation on the north eastern, eastern and south eastern aspects. The provision of sprinkler systems has not been based on the BALs determined for the pods. The external eastern façade of Pod D is exposed to high bush fire risk and therefore requires additional protection through the provision of sprinkler systems. The removal of the

Postal address

NSW Rural Fire Service
Planning and Environment Services
Locked Bag 17
GRANVILLE NSW 2141

T 1300 NSW RFS
F (02) 8741 5433
E records@rfs.nsw.gov.au
www.rfs.nsw.gov.au

automated sprinkler system can be considered for the southern façade of Pod D given the management of vegetation on site. The external northern and eastern facades of Pod B do not require these sprinklers based on the BALs.

If you have any queries regarding this advice, please contact Kalpana Varghese, Acting Team Leader - Development Assessment and Planning, on 1300 NSW RFS.

Yours sincerely,

A handwritten signature in black ink, appearing to be 'Nika Fomin', with a stylized, flowing script.

Nika Fomin

Manager, Planning and Environment Services (East)