

*All communications to be addressed to:*

Headquarters  
4 Murray Rose Ave  
Sydney Olympic Park NSW 2127

Telephone: 1300 NSW RFS  
e-mail: [records@rfs.nsw.gov.au](mailto:records@rfs.nsw.gov.au)

Headquarters  
Locked Bag 17  
Granville NSW 2142

Facsimile: 8741 5433



The General Manager  
North Sydney Council  
PO Box 12  
NORTH SYDNEY NSW 2059

Your Ref: 296/18  
Our Ref: D18/7437  
DA18092515265 EJ

**ATTENTION:** Geoff Mossemenear

18 February 2019

Dear Mr Mossemenear

**Integrated Development Application - 21//1208672 - 12 A Shirley Road  
Wollstonecraft**

I refer to your correspondence dated 21 September 2018 seeking general terms of approval in relation to the above matter.

The New South Wales Rural Fire Service (NSW RFS) cannot support the proposed development. Previously requested information was not received within the legislative timeframe allowed to assess the application against the aims and objectives of 'Planning for Bush Fire Protection 2006'.

Should you wish to discuss this matter please contact Emma Jensen on 1300 NSW RFS.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Kalpana Varghese'.

Kalpana Varghese  
**Team Leader, Development Assessment and Planning**

For general information on bush fire protection please visit [www.rfs.nsw.gov.au](http://www.rfs.nsw.gov.au)

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Lidcombe NSW 2141

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The General Manager  
North Sydney Council  
PO Box 12  
NORTH SYDNEY NSW 2059

Your Ref: 296/18  
Our Ref: D18/7437  
DA18092515265 EJ

**ATTENTION:** Geoff Mossemeneer

6 November 2018

Dear Sir/Madam

**Integrated Development Application - 21//1208672 - 12 A Shirley Road  
Wollstonecraft**

I refer to your correspondence dated 21 September 2018 seeking general terms of approval in relation to the above matter.

The New South Wales Rural Fire Service (NSW RFS) has reviewed the information provided and advises the following:

1. A number of differences between the parameters applied to the performance based solution prepared by Ecological Australia and Dr Grahame Douglas's peer review:
  - The Forest Fire Danger Index (FFDI) calculated by Ecological Australia to the east is 56, whilst the peer review calculates a greater FFDI of 63 using the same weather data and Generalised Extreme Value (GEV) analysis to derive the modified value; and,
  - The effective slope of the land within the vegetation to the east has been identified as 4.5 degrees down by Ecological Australia and a greater slope of 8 degrees down in the peer review. The preliminary assessment undertaken by the NSW Rural Fire Service (RFS) has also identified slopes of 8 degrees down within the vegetation to the west.
2. As the approved methodology for the downgrading or modification of the FFDI is still under review it is required that the performance based solution and peer review are amended to align with one another before a further assessment of the referral is undertaken. This includes the application of a slope of 8 degrees down being applied in all updated modelling to the east.

3. Updated modelling of the radiant heat shall be provided in relation to the proposed child care centre. The modelling shall demonstrate that a flame temperature of 1200K has been applied to all elements of the building and that no part of the building experiences greater than 10kW/sqm of radiant heat in the event of a bush fire; not solely the entrances and exits as proposed in the submitted bush fire report.
4. An updated assessment map shall be provided which clearly shows the location of the proposed building within the subject site, the points from which the separation distances have been measured from on the proposed buildings to the east and northwest, and contour information which clearly shows how the effective slope has been calculated.

If additional information is not received within 100 days the application will be refused on the basis of Requested Information not provided. A formal request for re-assessment would be required after this time.

Should you wish to discuss this matter please contact Emma Jensen on 1300 NSW RFS.

Yours sincerely



Nika Fomin  
**Manager, Planning and Environment Services (East)**

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