



NSW RURAL FIRE SERVICE

Weddin Shire Council
PO Box 125
GRENFELL NSW 2810

Your reference: SSD-13855453
Our reference: DA20210208000486-EIS & DA
Exhibition-1

ATTENTION: Jeffrey Peng

Date: Wednesday 23 February 2022

Dear Sir/Madam,

Development Application

State Significant - EIS & DA Exhibition - Industry

Grenfell Poultry Breeder Farm 1130 Gooloogong Road Grenfell NSW 2810, 22//DP866857

I refer to your correspondence regarding the above proposal which was received by the NSW Rural Fire Service on 14/12/2021.

The New South Wales Rural Fire Service (NSW RFS) has considered the information submitted and raises no objections to the proposed development, subject following recommended conditions:

Emergency Management

The intent of measure is to provide suitable emergency and evacuation arrangements for occupants.

1. A Bush Fire Emergency Management and Evacuation Plan must be prepared and be consistent with the NSW RFS document *A Guide to Developing a Bush Fire Emergency Management and Evacuation Plan*. The Bush Fire Emergency Management and Evacuation Plan should include planning for the early relocation of occupants. Note: A copy of the Bush Fire Emergency Management and Evacuation Plan should be provided to the Local Emergency Management Committee for its information prior to occupation of the development.

Asset Protection Zones

The intent of measure is to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

2. From the commencement of building works for each individual building, and in perpetuity to ensure ongoing protection from the impact of bush fires, asset protection zones must be provided around the facility buildings and residential building as identified in the 'Bush Fire Management Plan' prepared by Meridian Urban Pty Ltd (*Bush Fire Hazard Assessment and Management Plan*, dated 8 October 2021, Project Ref: 21-005, Rev. A). the asset protection zones are to be managed entirely as an inner protection area. When establishing and maintaining an inner protection area the following requirements apply in accordance with the requirements of Appendix 4 of *Planning for Bush Fire Protection 2019*:

- tree canopy cover should be less than 15% at maturity;

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- trees at maturity should not touch or overhang the building;
- lower limbs should be removed up to a height of 2 m above the ground;
- tree canopies should be separated by 2 to 5 m;
- preference should be given to smooth-barked and evergreen trees;
- large discontinuities or gaps in the shrubs layer should be provided to slow down or break the progress of fire towards buildings;
- shrubs should not be located under trees;
- shrubs should not form more than 10% ground cover;
- clumps of shrubs should be separated from exposed windows and doors by a distance of at least twice the height of the vegetation;
- grass should be kept mown (as a guide, grass should be kept to no more than 100mm in height); and
- leaves and vegetation debris should be removed regularly.

3. Landscaping within the required asset protection zone must comply with Appendix 4 of *Planning for Bush Fire Protection 2019*. In this regard, the following principles are to be incorporated:

- A minimum 1 metre wide area (or to the property boundary where the setbacks are less than 1 metre), suitable for pedestrian traffic, must be provided around the immediate curtilage of the buildings;
- Planting is limited in the immediate vicinity of the building;
- Planting does not provide a continuous canopy to the building (i.e. trees or shrubs are isolated or located in small clusters);
- Landscape species are chosen to ensure tree canopy cover is less than 15% (IPA), and less than 30% (OPA) at maturity and trees do not touch or overhang buildings;
- Avoid species with rough fibrous bark, or which retain/shed bark in long strips or retain dead material in their canopies;
- Use smooth bark species of trees species which generally do not carry a fire up the bark into the crown;
- Avoid planting of deciduous species that may increase fuel at surface/ ground level (i.e. leaf litter);
- Avoid climbing species to walls and pergolas;
- Locate combustible materials such as woodchips/mulch, flammable fuel stores away from the buildings;
- Locate combustible structures such as garden sheds, pergolas and materials such as timber garden furniture away from the buildings; and
- Low flammability vegetation species are used.

Construction Standards

The intent of measure is to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

4. New construction of the proposed residential buildings must comply with section 3 and section 5 (BAL 12.5) of the Australian Standard AS3959-2018 *Construction of buildings in bushfire-prone areas* or the relevant requirements of the NASH Standard - *Steel Framed Construction in Bushfire Areas (incorporating amendment A - 2015)*. New construction must also comply with the construction requirements in Section 7.5 of *Planning for Bush Fire Protection 2019*.

5. A minimum 1.5 metre high radiant heat shield made of non-combustible materials must be constructed around the proposed LPG storage tanks, as identified in the 'Bush Fire Management Plan' prepared by Meridian Urban Pty Ltd (*Bush Fire Hazard Assessment and Management Plan*, dated 8 October 2021, Project Ref: 21-005, Rev. A). All posts and rails shall be constructed of steel. The bottom of the shield is to be in direct contact with the finished ground level or plinth.

Access - Property Access

The intent of measure is to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

6. Property access roads must comply with the following requirements of Table 7.4a of *Planning for Bush Fire Protection 2019*:

- property access roads are two-wheel drive, all-weather roads;
- the capacity of road surfaces and any bridges/causeways is sufficient to carry fully loaded firefighting vehicles (up to 23 tonnes); bridges and causeways clearly, indicate load rating.
- there is suitable access for a Category 1 fire appliance to within 4m of the static water supply where no reticulated supply is available;
- minimum 4m carriageway width;
- a minimum vertical clearance of 4m to any overhanging obstructions, including tree branches;
- property access must provide a suitable turning area in accordance with Appendix 3 of *Planning for Bush Fire Protection 2019*;
- curves have a minimum inner radius of 6m and are minimal in number to allow for rapid access and egress;
- the minimum distance between inner and outer curves is 6m;
- the cross fall is not more than 10 degrees;
- maximum grades for sealed roads do not exceed 15 degrees and not more than 10 degrees for unsealed roads.

Water and Utility Services

The intent of measure is to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

7. The provision of water must comply with the following in accordance with Table 7.4a of *Planning for Bush Fire Protection 2019*:

- a minimum 20,000 litre static water supply, tank, pool, dam or the like, must be provided on-site and available to each proposed dwelling;
- an outlet for firefighting purposes is located within the IPA or non-hazard side and away from the structure
- a 65mm Storz connection with a ball valve is fitted to the outlet,
- the ball valve, pipes and tank penetration are adequate for the full 50mm inner diameter water flow through the Storz fitting and are constructed of a metal material,
- underground tanks have an access hole of 200mm to allow tankers to refill, direct from the tank,
- a hardened ground surface for truck access is supplied within 4m of the water outlet or access hole,
- above-ground tanks are manufactured from concrete or metal,
- raised tanks have their stands constructed from non combustible material or bush fire resisting timber. The bush fire-resisting timbers are Silvertop Ash, Blackbutt, Red or River Gum, Spotted Gum, Red Ironbark, Kwila (Merbau) or Turpentine,
- unobstructed access can be provided at all times,
- underground tanks are clearly marked,
- tanks on the hazard side of a building are provided with adequate shielding for the protection of firefighters,
- all exposed water pipes external to the building are metal, including any fittings,
- where pumps are provided, they are a minimum 5hp or 3kW petrol or diesel-powered pump, and are shielded against bush fire attack,
- any hose and reel for firefighting connected to the pump must be 19mm internal diameter,
- fire hose reels are constructed in accordance with AS/NZS 1221:1997, and installed in accordance with the relevant clauses of AS 2441:2005,
- where practicable, electrical transmission lines are underground,
- where overhead, electrical transmission lines are proposed as follows:
 - lines are installed with short pole spacing (30m), unless crossing gullies, gorges or riparian areas, and
 - no part of a tree is closer to a power line than the distance set out in accordance with the specifications in *ISSC3 Guideline for Managing Vegetation Near Power Lines*.
- reticulated or bottled gas is installed and maintained in accordance with AS/NZS 1596:2014 and the requirements of relevant authorities, and metal piping is used,
- all fixed gas cylinders are kept clear of all flammable materials to a distance of 10m and shielded on the hazard side,
- connections to and from gas cylinders are metal,

- polymer sheathed flexible gas supply lines - are not used, and
- above-ground gas service pipes are metal, including and up to any outlets.

For any queries regarding this correspondence, please contact Adam Small on 1300 NSW RFS.

Yours sincerely,

Alastair Patton
Supervisor Development Assessment & Plan
Built & Natural Environment