



**CONSTRUCTIVE
BUILDING
CONSULTANTS**

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Building Surveying
Building certification
Fire Safety Engineering
Structural engineering
Access consulting
Energy efficiency
Bushfire Attack Level

31 March 2026

Department of Water and Environmental Regulation
Prime House, 8 Davidson Terrace
Joondalup WA 6027

Attention: [REDACTED]

Reference: APP-0032925

Project: FOGO processing building
Address: 324 Horton Road, Woottating

We refer to the Department of Water and Environmental Regulation correspondence dated 19 March 2026 (Ref: APP-0032925) and provide the following comments on behalf of the applicant in response to the request:

'Please provide an updated plan that details the installation location of all firefighting equipment, including hydrants, hoses and fire extinguishers within the FOGO shed'.

1. Fire hydrant system and water supply

The FOGO processing building has been assessed under the Building Code of Australia as a farm building for the purpose of the fire hydrant system. The fire hydrant system requirements applicable to a farm building are shown below:

13D9	Fire hydrants and water supplies	(2019: H3.9)
(1)	This provision applies to a farm building— (a) with a total floor area greater than 500 m ² ; and (b) located where a fire brigade station is— (i) not more than 50 km from the building as measured along roads; and (ii) equipped with equipment capable of utilising a fire hydrant.	
(2)	A farm building referred to in (1) must be— (a) provided with a fire hydrant system installed in accordance with AS 2419.1, except reference to '4 hours' water supply in clause 4.2 is replaced with '2 hours'; or (b) located on the same allotment as an access point to a water supply which— (i) has a minimum total capacity of 144,000 litres; and (ii) is situated so as to enable emergency services vehicles access to within 4 m; and (iii) is located within 60 m of the building and not more than 90 m from any part of the building.	
(3)	For the purposes of (2)(b), water supply for a farm building must consist of one or any number of the following: (a) A water storage tank. (b) A dam. (c) A reservoir. (d) A river. (e) A lake. (f) A bore. (g) A sea.	
(4)	If the whole or part of the water supply referred to in (2)(b) is contained in a water storage tank, it must be— (a) located not less than 10 m from the building; and (b) fitted with at least one small bore suction connection and one large bore suction connection where— (i) each suction connection is located in a position so as to enable emergency service vehicles access to within 4 m; and (ii) the suction connections are located not less than 10 m from the building; and	

The proposed fire hydrant system complies with the farm building requirements as follows:

- The provision of a fire hydrant water storage tank with a minimum capacity of 144,000 litres, providing a water supply for 2 hours.
- The water supply providing 20L/s or 2 outlets flowing simultaneously.
- Fire brigade appliance access to the water storage tank within 4m.
- The water storage tank will be located within 60m of the building and not more than 90m from any part of the building.
- The water storage tank will be located $\geq 10\text{m}$ from the building.
- The water storage tank will be fitted with at least one small bore and one large bore suction connection.
- The suction connections will be positioned to enable the fire brigade appliance access to within 4m.
- The suction connections will be located $\geq 10\text{m}$ from the building.

The above information is documented in the Fire Safety Engineering Report prepared by Constructive Building Compliance dated 7 October 2025 and 31 March 2026 Revision 1. The details on the drawing below show compliance with the farm building fire hydrant system requirements.



2. Fire hose reel system

The fire hose reel requirements for a farm building are shown below. Fire hose reels are not required if portable fire extinguishers in accordance with BCA Clause I3D11 are provided.

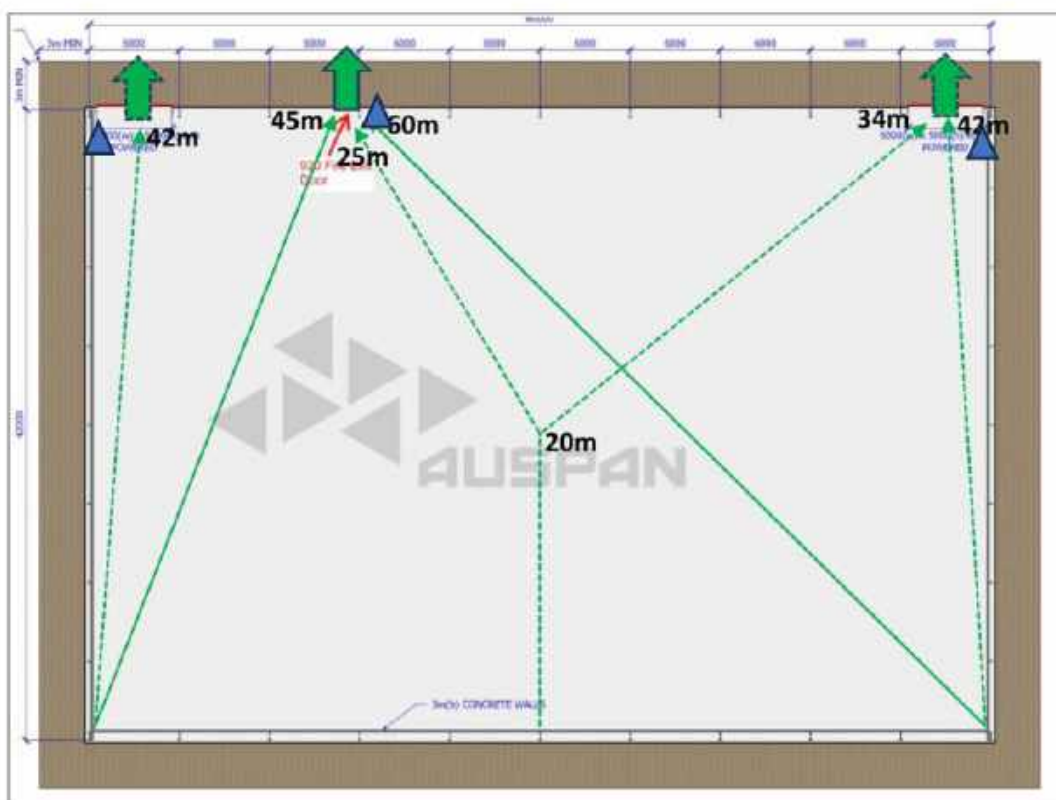
I3D10	Fire hose reels	[2019: H3.10]
A fire hose reel system need not be provided to serve a <i>farm building</i> where portable fire extinguishers are installed in accordance with I3D11.		

3. Portable fire extinguishers

The portable fire extinguisher requirements for a farm building are shown below.

I3D11	Portable fire extinguishers	[2019: H3.11]
<p>(1) A farm building not provided with a fire hose reel system in accordance with E1D3 must be provided with—</p> <ul style="list-style-type: none"> (a) one portable fire extinguisher rated at not less than 5ABE in each room containing flammable materials or electrical equipment; and (b) one portable fire extinguisher rated at not less than 4A60BE adjacent to every required exit door; and (c) location signs complying with clauses 3.3 to 3.9 of AS 2444 above each required portable fire extinguisher. 		

The location of the portable fire extinguishers is indicated by a blue triangle. Each fire extinguisher will have a rating of not less than 4A60BE. A fire extinguisher will also be provided on board of the front-end loader. These requirements are reflected in the revised Fire Safety Engineering Report.



We trust the above information addresses your immediate needs; however, if you have any further queries regarding the provided information, please send me an email or phone me on 0408028524.

