
From: Fire Safety (External) <firesafety@southwales-fire.gov.uk>
Sent: 03 May 2023 14:27
To: Roberts, Huw
Cc: Water General Account
Subject: LAND TO THE SOUTH WEST OF THE A470/A4102 ROUNDABOUT AT RHYDYCAR
WEST MERTHYR TYDFIL - 26J-15104
Attachments: BR13 26J-15104 27.04.2023.pdf

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Good Afternoon,

Please see the attached document in relation to the above premises.

Best Wishes,

Diogelwch Tân i Fusnesau

Pencadlys Gwasanaeth Tân ac Achub

De Cymru

Parc Busnes Forest View

Llantrisant

CF72 8LX

Ffôn: 01443 232716

E-Bost: firesafety@southwales-fire.gov.uk

Business Fire Safety

South Wales Fire and Rescue
Service

Headquarters

Forest View Business Park

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CF72 8LX

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-- Mae'r neges e-bost hon ac unrhyw ffeiliau sydd ynghlwm wrthi yn gwbl gyfrinachol ac wedi'u bwriadu at sylw y person neu sefydliad y maent wedi eu cyfeirio ato yn unig. Na chaniateir i chi adolygu, ailanfon, lledaenu na defnyddio'r wybodaeth uchod ar unrhyw gyfrif: peidiwch a chymryd unrhyw gamau o ganlyniad a gan ddibynnu arni. Os ydych wedi derbyn y neges e-bost hon ar gam, wnewch chi hysbysu'r anfonydd ar unwaith a dileu'r e-bost a'i chynnwys oddi ar eich system os gwelwch yn dda. Barn neu safbwyntiau'r awdur yw'r rhai a fynegir yn y neges e-bost hon ac nid ydynt yn adlewyrchu o anghenraid barn neu safbwyntiau Gwasanaeth Tan Ac Achub De Cymru onis dywedir yn bendant fel arall. Bydd pob eitem o bost a anfonir i'r cyfeiriad hwn yn cael ei monitro gan sustem e-bost corfforaethol y Gwasanaeth Tan ac efallai y caiff ei harchwilio gan berson arall, sy ddim o reidrwydd y derbynnydd gwreiddiol, er mwyn dod o hyd i ddefnydd o ddeunydd anaddas neu dorri rheolau polisiau. Os nad yw hyn yn dderbyniol i chi, peidiwch a defnyddio'r dull yma o gyfathrebu a Gwasanaeth Tan Ac Achub De Cymru. Rydym yn croesawu gohebiaeth yn y Gymraeg a'r Saesneg - byddwn yn ymateb yn gyfartal i'r ddau ac yn ateb yn eich dewis iaith heb oedi. This e-mail and any files transmitted with it are confidential and intended solely for the use of the recipient(s) only. Any review, retransmission, dissemination or other use of, or taking any action in reliance upon this information by persons or entities other than the intended recipient(s) is prohibited. If you have received this e-mail in error please notify the sender immediately and destroy the material whether stored on a computer or otherwise. Any views or opinions presented within this e-mail are solely those of the author and do not necessarily represent those of South Wales Fire and Rescue Service, unless otherwise specifically stated. All mail sent to and from this address will be monitored by our corporate e-mail system and may be scrutinised by persons other than the addressee for unsuitable content or contraventions of policy. If this is unacceptable to you please do not use this method of communication with the South Wales Fire and Rescue Service. We welcome correspondence in Welsh and English - we will respond equally to both and will reply in your language of choice without delay.



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Our Ref: AM/26J-15104 (BR13)
Your Ref: P/23/0065
Date: 3 May 23
Contact: Station Manager A. Macarthy
Tel: 07876 391299
E-mail: firesafety@southwales-fire.gov.uk

Dear Sir,

TOWN AND COUNTRY PLANNING ACT 1990

PROPOSAL: OUTLINE APPLICATION FOR ERECTION OF A MIXED LEISURE DEVELOPMENT COMPRISING INDOOR SNOW CENTRE (UP TO 39,200 SQ M), INDOOR ACTIVITY CENTRE (UP TO 9,000 SQ M), OUTDOOR ACTIVITY CENTRE, HOTEL ACCOMODATION (UP TO 418 BEDROOMS), WOODLAND LODGE ACCOMODATION (UP TO 30 UNITS), CAR PARKING (UP TO 830 SPACES) AND ASSOCIATED EARTHWORKS, ACCESS, DRAINAGE, SERVICING AND UTILITIES CONNECTIONS/INFRASTRUCTURE.

LOCATION: LAND TO THE SOUTH WEST OF THE A470/A4102 ROUNDABOUT AT RHYDYCAR WEST MERTHYR TYDFIL

I acknowledge receipt of the notification to the South Wales Fire and Rescue Authority in relation to the above application.

The proposed site plan in relation to the above has been examined and the Fire and Rescue Authority wish the following comments to be brought to the attention of the committee/applicant. It is important that these matters are dealt with in the early stages of any proposed development.

Changes to our climate and weather patterns will have a significant impact on the well-being of both current and future generations. In line with the **Well-being of Future Generations (Wales) Act 2015** and the **Future Wales – the national plan 2040** framework document, the following areas should be considered early in the planning process:

The climate emergency is likely to increase the risk of flooding as a result of sea-level rises, more frequent severe weather systems and more intense rainfall. Planning authorities should adopt a precautionary approach of positive avoidance of building developments in areas of flooding from the sea or from rivers. Surface water flooding will affect the choice of location and the layout and design of schemes and these factors should be considered at an early stage in formulating any development proposals.

Wildfires are a significant potential threat particularly in populated areas adjoining green spaces such as mountains or forestry. Therefore, it is critical that new developments are designed with this in mind. Where a new development is proposed in an area which is at risk of a wildfire, consideration should be given on how to mitigate the spread of wildfires. For example, sustainable land management could assist with prevention measures.

The site plan/s of the above proposal has been examined and the Fire and Rescue Authority would wish the following comments to be brought to the attention of the planning committee/applicant. It is important that these matters are dealt with early on in any proposed development:

- The following concerns are identified, in relation to the proposed developments, together with suggestions as to how these can be addressed.

A comprehensive fire strategy should be provided which indicates the Package of fire safety measures that are proposed and ensure that the risk of a fire occurring is minimised. This should also ensure that any persons using any buildings on the site, can easily escape from those buildings in the event of fire.

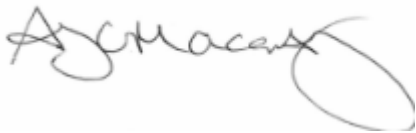
The developer should also consider the need for the provision of: -

- a. adequate water supplies on the site for firefighting purposes; and
- b. access for emergency firefighting appliances.

Should the applicant require further information in relation to these matters they should contact the above named fire safety officer.

Yours faithfully,

Duly signed and authorised by



for Assistant Chief Fire Officer

cc: WATERGEN@southwales-fire.gov.uk

Enc: BR13 Appendix

Appendix

1.0 Access For Fire Appliances

Typical vehicle access route requirements:

Appliance Type	Min Width Road	Min Width Gate	Min Turning Circle between Kerb
Pump	3.7m	3.1m	16.8m
Aerial Appliance	3.7m	3.1m	26.9m
Min Turning between Wall	Min Height Clearance	Min Capacity Tonnes	
19.2	3.7m	12.5	
29.0	4.0m	23	

Pedestrian Priority

Pedestrian schemes must take into account the need for permanent and unobstructed access for firefighting appliances. The siting of ornamental structures such as flower beds, must take account, not only of the access requirements of the fire appliances but the need to be able to site them in strategic positions; in particular, account must be taken of the working space requirements for aerial appliances. Consultation must take place with the Fire and Rescue Authority during the earliest planning stages of any development to ensure adequate access for fire appliances, their siting and use.

2.0 Water Supplies for Firefighting

The existing output of the statutory water supply network may need to be upgraded in certain parts of the local plan area to cater for firefighting needs of new developments. It is recommended that this provision be a condition of planning consent.

Access to Open Water Supplies

Where development of water front sites takes place, the need for permanent and unobstructed access for firefighting appliances to the water should be made a condition of any planning consent.

Consultation must take place with the Fire and Rescue Authority during the earliest planning stages of any development to ensure access for fire pumping appliances is satisfactory.

2.1 Housing

Minimum main size 100mm. Housing developments with units of detached or semi-detached houses of not more than two floors should have a water supply capable of delivering a minimum of eight litres per second through any hydrant on the development.

Housing developments with units of more than two floors should have a water supply capable of delivering a minimum of 20 to 35 litres per second through any hydrant on the development.

2.2 Transportation

Lorry/Coach Parks - Multi-Storey Car Parks-Service Stations

Minimum main size 100mm. All of these amenities should have a water supply capable of delivering a minimum of 25 litres per second through any hydrant on the development or within a vehicular distance of 90 metres from the complex.

2.3 Industry

In order that an adequate supply of water is available for use by the Fire and Rescue Authority in case of fire, it is recommended that the water supply infrastructure to any Industrial estate is as follows:

Light Industrial

Minimum Main Size 100mm
Up to one hectare, 20 litres per second

Commercial/Industrial

Up to two hectares, 35 litres per second - Minimum Main Size 150mm

High Risk Industrial

Two to three hectares 50 litres per second - Minimum Main Size 150mm.
Over three hectares, 75 litres per second.

In rural areas it may not be possible to provide sufficient mains water. To overcome this, static or river supplies would be considered on site at the above flow rates for at least one hour.

The Fire and Rescue Authority should be consulted at the outline planning stage of any proposed projects to ascertain the exact requirements, as high risk units may require a greater flow.

2.4 Shopping, Health and Community Facilities

Village Halls

Should have a water supply capable of delivering a minimum of 15 litres per second through any hydrant on the development or within a vehicular distance of 100 metres from the complex.

Primary Schools and single storey Health Centres

Should have a water supply capable of delivering a minimum of 20 litres per second through any hydrant on the development or within a vehicular distance of 70 metres from the complex.

Secondary Schools, Colleges, Large Health and Community Facilities

Should have a water supply capable of delivering a minimum of 35 litres per second through any hydrant on the development or within a vehicular distance of 70 metres from the complex.

2.6 Distances Between Fire Hydrants

The distance between fire hydrants should not exceed the following:

Residential areas	-	200 metres
Industrial Estates (Subject to operational needs)	-	150 metres
Town centre areas	-	90 metres
Commercial (Offices & Shops)	-	100 metres
Residential Hotels	-	Adjacent to access
Hotels	-	Adjacent to access
Institutional (Hospitals & Old Persons Homes)	-	Adjacent to access
Old Persons Homes	-	Adjacent to access
Educational (Schools & Colleges)	-	Adjacent to access

2.7 Conclusion

Developers should hold joint discussion with Dwr Cymru - Welsh Water or the National Rivers Authority and the Fire and Rescue Authority to ensure that adequate water supplies are available in case of fire. The Fire and Rescue Authority reserve the right to ask for static water supplies for firefighting on site as a condition of planning consent, if the supply infrastructure is inadequate for any given risk.