

Ardagh Glass Limited
Burton Road, Monk Bretton
Barnsley
South Yorkshire
S71 2QG
Flood Risk Assessment

Planning Application 2018/0492 – Proposed Warehouse Construction

Flood Risk Assessment

The flood risk for the site is classified as very low (< 0.1%) as confirmed by the Environment Agency, See Ref. Environment Agency - Flood Map for Planning. This low risk assessment is further endorsed, as the site has a purpose constructed reservoir, see photographs Ref 12 & 13. It is confirmed that there will be no additional surface water impact resulting from this proposal, as the 7 existing (to be demolished) warehouses and vacant hard standing See photographs 1,2 and 3, together with all site surface water, drains back to the reservoir and provides the site production process with cooling water as part of a cost efficient and environmentally beneficial, recirculating system. See site drainage Drg No NW P2-1-DR Rev C. Increased rainfall will also not increase the low risk rating, as all surface water is recycled within the manufacturing process resulting in no requirement for EA consent.

Drainage – Existing

All surface water from across the site is connected into a system of surface water drains. These drains terminate in an on-site reservoir. See photographs Ref 12 & 13. The reservoir is formed of two sides to facilitate periodic cleaning. This facility is part of the cooling water system used in the manufacturing process. Infrequently, during periods of very heavy and prolonged rainfall the reservoir may overflow through a pipe that discharges into Cudworth Dyke as covered by the Yorkshire Water Discharge Consent No SE 375092

As required by Ardagh Glass Barnsley's IPPC Permit Condition No 2.2 sub-sections 2.2.1,2,3 and 4, monthly monitoring and sampling checks are carried out by an independent external organisation. The records of these sampling checks are reviewed by the BMBC Regulator as part of their annual permit review procedure

Drainage – Proposed

It is proposed to install a Sapoflow siphonic roof drainage system See Drg Ref No 01 (Project No 18134), this system will feed into a series of newly constructed manholes and drains. See Drg Ref No NW P2-1-DR Rev C. There will be no additional surface water impact resulting from this proposal as the proposed site, which is hard standing, and the 7 (to be demolished) warehouses, drain back to the reservoir for recycling, see also Flood Risk Assessment comments above.

Flood map for planning

Your reference
Ardagh

Location (easting/northing)
437191/408815

Created
22 May 2018 3:46

Your selected location is in flood zone 1, an area with a low probability of flooding.

This means:

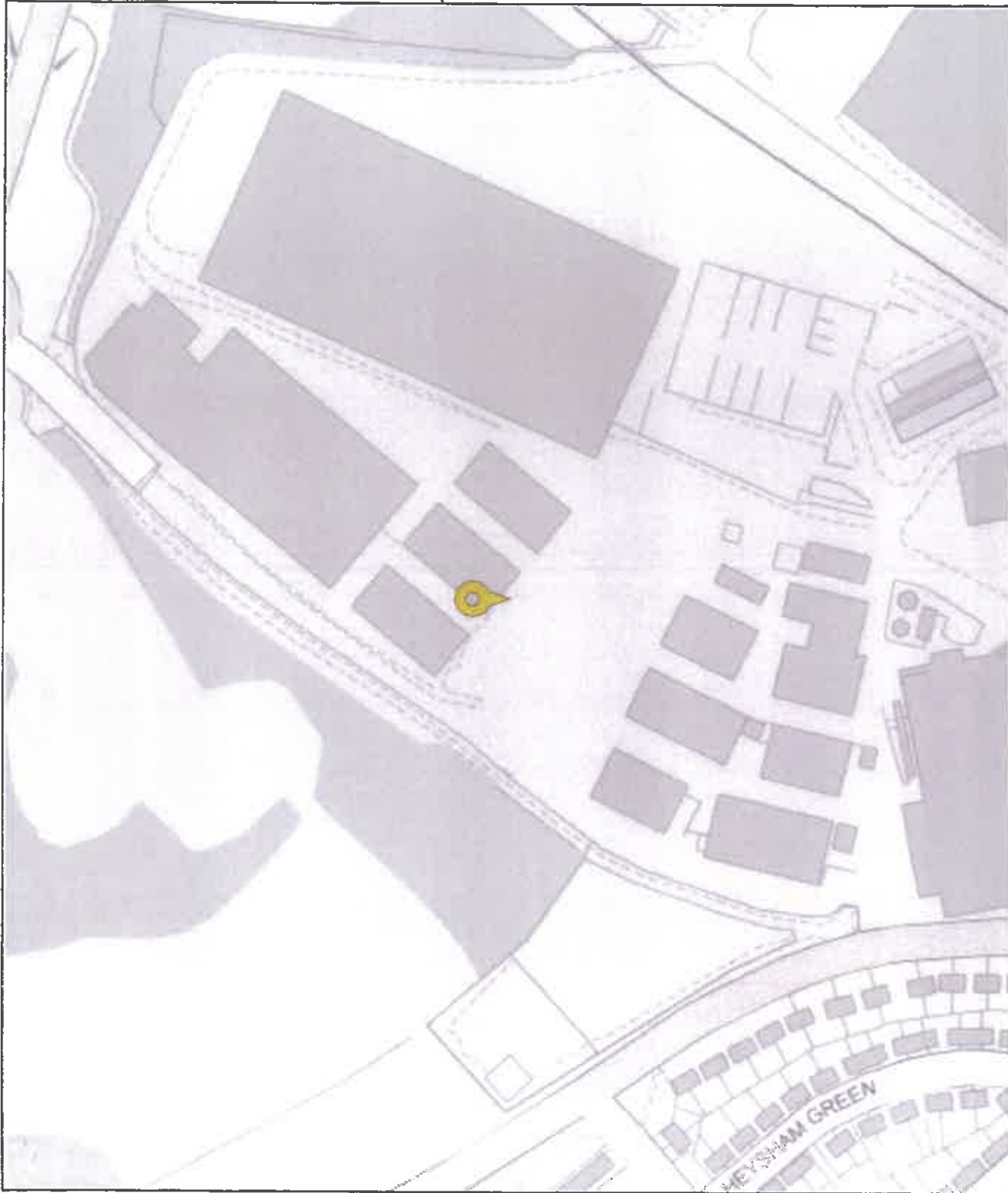
- you don't need to do a flood risk assessment if your development is smaller than 1 hectare and not affected by other sources of flooding
- you may need to do a flood risk assessment if your development is larger than 1 hectare or affected by other sources of flooding or in an area with critical drainage problems

Notes

The flood map for planning shows river and sea flooding data only. It doesn't include other sources of flooding. It is for use in development planning and flood risk assessments.

This information relates to the selected location and is not specific to any property within it. The map is updated regularly and is correct at the time of printing.

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<https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>



Environment
Agency

Flood map for planning

Your reference

Ardagh

Location (easting/northing)
437191/408815

Scale
1:2500

Created
22 May 2018 3:46



Selected point



Flood zone 3



Flood zone 3: areas
benefiting from flood
defences



Flood zone 2



Flood zone 1



Flood defence



Main river



Flood storage area



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