

Dealt with by: Environmental Health

Our Ref: SMD/2024/0050

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Date: 14th March 2024

MEMORANDUM: PLANNING CONSULTATION
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LOCATION

**Cresswell Borehole
Water Pumping Station Sandon Road
Cresswell**

PROPOSED DEVELOPMENT **Installation of a Filtration Building (Retrospective)**

Potential Areas Of Environmental Concern.

1. Plant and Machinery/ Operational Noise (Condition)

Comments: This is a retrospective application. There is no record of complaint against the operation of the filtration building to date. But we would advise the following conditions are placed on any permission granted to protect residential amenity during the lifetime of its operation. All machinery and plant should be installed and operated so as not to adversely impact prevailing background sound levels.

Recommended Conditions

The Environmental Health Department have no objection to the development subject to the following conditions being applied to any permission granted.

1. Plant and Machinery Noise

The machinery, plant or equipment including installed or operated in connection with the carrying out of this permission shall be so enclosed and/or attenuated that the rating level of noise generated by the operation of the machinery shall not increase the background noise levels during day time expressed as LA90 [1hour] (day time 07:00-23:00 hours) and/or LA90 [15 mins] during night time (night time 23:00-07:00 hours) at any adjoining noise sensitive locations or premises in separate occupation above that prevailing when the machinery is not operating. Noise measurements for the purpose of this condition shall be pursuant to BS 4142:2014+A1:2019.

The details and location of any plant or machinery to be installed under this permission should be submitted to and approved of in writing by the Local Planning Authority.

Reason: *To safeguard the amenity of local residents and that of the surrounding area from noise disturbance.*

2. Lighting Condition

The artificial lighting incorporated into this site in connection to this application shall not cause glare or increase the pre-existing illuminance at the adjoining light sensitive locations when the light (s) is (are) in operation. Details of all artificial lighting to be installed under this permission should be submitted to and approved by the Local Planning Authority prior to development commencing.

Reason: *To protect the local amenities of the local residents by reason of excess of illuminance.*

Advisory Note/ Informative:

Please be aware that the responsibility for safe development and secure occupancy of the site rests with the developer.

- Any approved noise scheme and measurements should pay due regard to British Standard BS8233: Sound insulation and noise reduction for buildings (Code of Practice), BS4142:2014+A1:2019 Methods for rating and assessing industrial or commercial sound and/or the Building Regulations 2010 Document E or other appropriate guidance.
- The lighting scheme should comply with the Institution of Lighting Professionals Guidance Note for the reduction of obtrusive light 2011(or later versions). It should be designed so that it is the minimum needed for security and operational processes and be installed to minimise potential pollution caused by glare and spillage.

Illuminated area m ²	Zone E1	Zone E2	Zone E3	Zone E4
Up to 10.00	100	600	800	1000
Over 10.00	n/a	300	600	600

Environmental Zones			
Zone	Surrounding	Lighting Environment	Examples
E0	Protected	Dark	UNESCO Starlight Reserves, IDA Dark Sky Parks
E1	Natural	Intrinsically dark	National Parks, Areas of Outstanding Natural Beauty etc.
E2	Rural	Low district brightness	Village or relatively dark outer suburban locations
E3	Suburban	Medium district brightness	Small town centres or suburban locations
E4	Urban	High district brightness	Town/city centres with high levels of night-time activity

The guidance advises that, where an area to be lit lies on the boundary of two zones or can be observed from another zone, the limits used should be those applicable to the most rigorous zone.

Regards,
Environmental Health