

Planning Consultation Memo

Date	Planning Officer	Environmental Health Officer
26/06/19	A Commenville	Karl Riahi
Planning Application Number	Worksheet Number	
6/2019/1247/FULL	WK/108798	

Address: Eisai Europe Limited European Knowledge Centre Mosquito Way Hatfield AL10 9SN

Application Details: Installation of chillers on the roof of the existing building

Considerations relevant to Environmental Health for this application

Noise from proposed chillers

Description of site and discussion of considerations

Noise from proposed chillers

Information provided by the applicant shows that the external noise levels associated with the proposed chillers are 67.3dB at 10m which will be located approximately 115m from the nearest residential properties, there is also a high wall located where the chiller is to be installed which will provide additional shielding.

Distance attenuation calculations show that without taking into account shielding from the wall, the noise level at the nearest residential properties will be in the region of 46dB. Without knowing tonality, the level of shielding expected or the background noise levels in the area, it is thought that there is still the potential for a detrimental impact on amenity.

It is recommended that the standard plant and equipment condition is placed on the application, so that there can be confidence that this proposed development will not detrimentally impact on the nearest residential properties, and where required, additional mitigation measures can be incorporated into the installation at the outset.

Conclusion

- Recommend planning application is permitted
- Recommend planning application is permitted but with conditions
- Recommend planning application is refused

Conditions

Noise from plant and equipment

Noise from plant and equipment associated with the development shall be 10dB (LAeq) below the background noise level (LA90) at the nearest residential properties (5dB below the background noise level if evidence is provided which shows that no tonality is present).

Reason –to protect the amenity of residents in the locality

Informatives

Noise control

1. All works and ancillary operations which are audible at the site boundary, or at such other place as may be agreed with the Council, shall be carried out only between the hours of :
8.00am and 6.00pm on Mondays to Fridays
8.00am and 1.00pm Saturdays
and at no time on Sundays and Bank Holidays
2. The best practicable means, as defined in section 72 of the Control of Pollution Act 1974, to reduce noise to a minimum shall be employed at all times
3. All plant and machinery in use shall be properly silenced and maintained in accordance with the manufacturers' instructions
4. All compressors shall be sound reduced models, fitted with properly lined and sealed acoustic covers, which shall be kept closed whenever the machines are in use. All ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of the type recommended by the manufactures.
5. All machines in intermittent use shall be shut down during intervening periods between work, or throttled down to a minimum. Noise emitting equipment, which is required to operate continuously, shall be housed in suitable acoustic enclosures.
6. Items of plant and equipment shall be maintained in good condition so that extraneous noise from mechanical vibration, squeaking or creaking is reduced to a minimum.
7. All pile driving shall be carried out by a recognised noise reducing system.
8. Where practical, rotary drills and bursters, actuated by hydraulic or electric power shall be used for excavating hard material
9. In general, equipment for breaking concrete and the like, shall be hydraulically actuated.
10. 'BS 5228 Noise Control on Construction Sites' should be referred to for guidance in respect of all work carried out by the developer, their main contractor and any sub contractors.
11. Any emergency deviation from these conditions shall be notified to the Council without delay
12. Any planned deviations from these conditions for special technical reasons, shall be negotiated with Council at least 14 days prior to the commencement of the specific work.

13. Permissible noise levels are not specified at this stage.

Dust control

1. All efforts shall be made to reduce dust generation to a minimum
2. Stock piles of materials for use on the site or disposal, that are likely to generate dust, shall be sited so as to minimise any nuisance to residents or neighbouring businesses. Materials for disposal shall be moved off site as quickly as possible.
3. Water sprays shall be used, as and when necessary, to reduce dust from particularly "dusty" activities or stock piles.