

## Altman, Rebecca

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**From:** Pyke, Jon  
**Sent:** 12 June 2023 13:22  
**To:** Altman, Rebecca  
**Cc:** Scott, Neil  
**Subject:** Application No: F/23/95228 - Address: 14 HIGH STREET, EASTLEIGH, SO50 5LA

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** Consultation responses

Description: Erection of a single storey brick substation.

Hi Rebecca

We are concerned about strong harmonic audible tones the substation emits which contrast with background sound and fan noise. And for potential impact of electromagnetic field from cables and the substation equipment.

Unfortunately, the applicant has not demonstrated these will not pose adverse impact. Therefore, considering an adverse consequence would be a risk to health and amenity, we object to the development.

For information, the applicant must demonstrate:

Prior to commencement of the development, details shall be submitted to and approved in writing by the Council, of the external sound level emitted from the premises, plant, machinery and equipment and mitigation measures as appropriate. The measures shall ensure that the external sound level (Rating Level) emitted from the premises, plant, machinery and equipment will be lower than the lowest existing background sound level by at least 10 dB(A) in order to prevent any adverse impact. The assessment shall be made in accordance with BS4142:2014 at the nearest and/or most affected noise sensitive premises, with the premises and machinery operating together at maximum capacity. A post installation noise assessment shall be carried out where required to confirm compliance with the sound criteria and additional steps to mitigate noise shall be taken, as necessary. Approved details shall be implemented prior to occupation of the development and thereafter be permanently retained.

Prior to commencement of the development, details of anti-vibration measures shall be submitted to and approved in writing by the Council. The measures shall ensure that machinery, plant and equipment, and extract, ventilation system and ducting are mounted with proprietary anti-vibration isolators and fan motors are vibration isolated from the casing and adequately silenced. Approved details shall be implemented prior to occupation of the development and thereafter be permanently retained.

Reference UK Health and Security Agency and World Health Organisation for limits for electromagnetic radiation and design of enclosures or buildings housing electricity transformers and routing of cables to prevent over exposure or health risk.

We trust this is clear and helpful. Let me know if you have a question.

Kind regards  
Jonathan

## **Jon Pyke**

### **Pollution Control Officer**

Service Delivery - Specialist Services - Environment

-----Original Message-----

From: Neil Scott <neil.scott@eastleigh.gov.uk>

Sent: 08 June 2023 17:35

To: Pyke, Jon <Jon.Pyke@eastleigh.gov.uk>

Subject: Process transferred to you.

Process PR202306-99701 has been assigned to you. Please click on the link below to view the record.

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