

4th April 2024

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Subject: Manchester Crown Court – Chiller Operational Use - STATEMENT

Dear James

Further to recent emailed query from MCC – Max Gibson detailed below;

"I have reviewed the Sound Advice acoustic assessment for the 3 new replacement items of plant which calculates that with the rating penalties applied for tonality and impulsivity the predicted rating will meet the criteria at the nearest sensitive receptor which we can accept. This is based on only 2 of the items of plant ever running at the same time and the equipment being switched off at night (between 23:00 and 07:00).

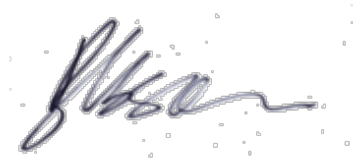
We will just need a brief statement from the applicant or building manager to confirm that only 2 of 3 units will be running simultaneously at any time and also confirmation that no plant will operate during the above night time hours"

STATEMENT

1. The physical courts hours of operation are 10.00 hrs to 17.00 hrs – but access to the building for judicial staff is from 08.00 hrs to 18.00 hrs. The Chillers operated via the BMS will run for an hour either side of these times – therefore from 07.00 hrs to 19.00 hrs. In some cases, hearings will be heard at weekends, but this is purely on Saturdays and is from 09.00 hrs to 13.00 hrs [but this is very isolated]
2. Only 2 of the 3 chillers will ever be running concurrently as their operation is limited by the design, BMS and mechanical and electronic interlocks. The demand for the building has been calculated and 1 Nr chiller could provide sufficient chilled water for all the AHU's but through design parameters we have reduced the loading on a singular chiller by adding a second chiller to lessen the 'working' loads. The third chiller will be used a 'slave' to the other 2 – should there be a failure in the system.

We trust the above is self-explanatory, but should you have any further queries or require additional information please do not hesitate to contact the undersigned.

Yours sincerely



Paul Ibson

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