

Acoustics & Air Quality Modelling & Assessment Unit (AQMAU)



Audit of noise impact assessment

Table 1: Permit application details and AQMAU audit outcome.

AQMAU audit summary		Audit overview
<p>Consultant BS4142 assessment outcome Emergency operation: Adverse impact</p>	<p>The NIA¹ has included an assessment of the following scenarios:</p> <ul style="list-style-type: none"> • Normal operations: chillers & condensers located on roof. • Normal operations with generator testing (south): chillers & condensers located on roof, testing of some diesel generators to south of building. • Normal operations with generator testing (north): chillers & condensers located on roof, testing of some diesel generators to north of building. • Emergency operation: chillers & condensers located on roof and all diesel generators operating simultaneously. <p>AQMAU notes that noise emissions from the chillers and condensers are not regulated by the Environment Agency. Therefore, our remit is limited to the assessment of the impact from the testing of the diesel generators and the simultaneous operation of all diesel generators in an emergency scenario.</p> <p>AQMAU has conducted sensitivity check modelling by:</p> <ul style="list-style-type: none"> - Modelling specific sound levels from testing of some diesel generators at locations to the north and south of the building only. - Modelling specific sound levels from simultaneous operation of all diesel generators in an emergency scenario only. - Using the latest version of ISO 9613 (2024). <p>Following sensitivity check modelling, AQMAU finds that low impacts are likely from the permitted activities (testing of diesel generators, and simultaneous operation of the diesel generators in an emergency scenario) and therefore sound emissions from the site are acceptable.</p>	
<p>AQMAU audit outcome Generator testing: Low impact Emergency operation: Low impact</p>		
<p>AQMAU audit conclusion AQMAU recommends that noise impacts from the site are acceptable in terms of EA guidance and do not prevent a permit being granted for the site.</p>		
Permit application details	AQMAU details	Assessment details
<p>Site name: Iron Mountain LON-3 Data Centre Permit sector: NPS Installations Permit ref: EPR/TP3120LE/A001 Type: New Bespoke</p>	<p>AQMAU report reference: AQMAU-C2934-RP01 AQMAU response date: 20/12/2024</p>	<p>NIA reference: Iron Mountain LON-3 Data Centre. Noise Impact Assessment. Revision 01. July 2024. Acoustic consultant: Ramboll UK Limited Applicant: Iron Mountain (UK) Data Centre Limited</p>

¹ Iron Mountain LON-3 Data Centre. Noise Impact Assessment. Revision 01. July 2024. Ramboll UK Limited.