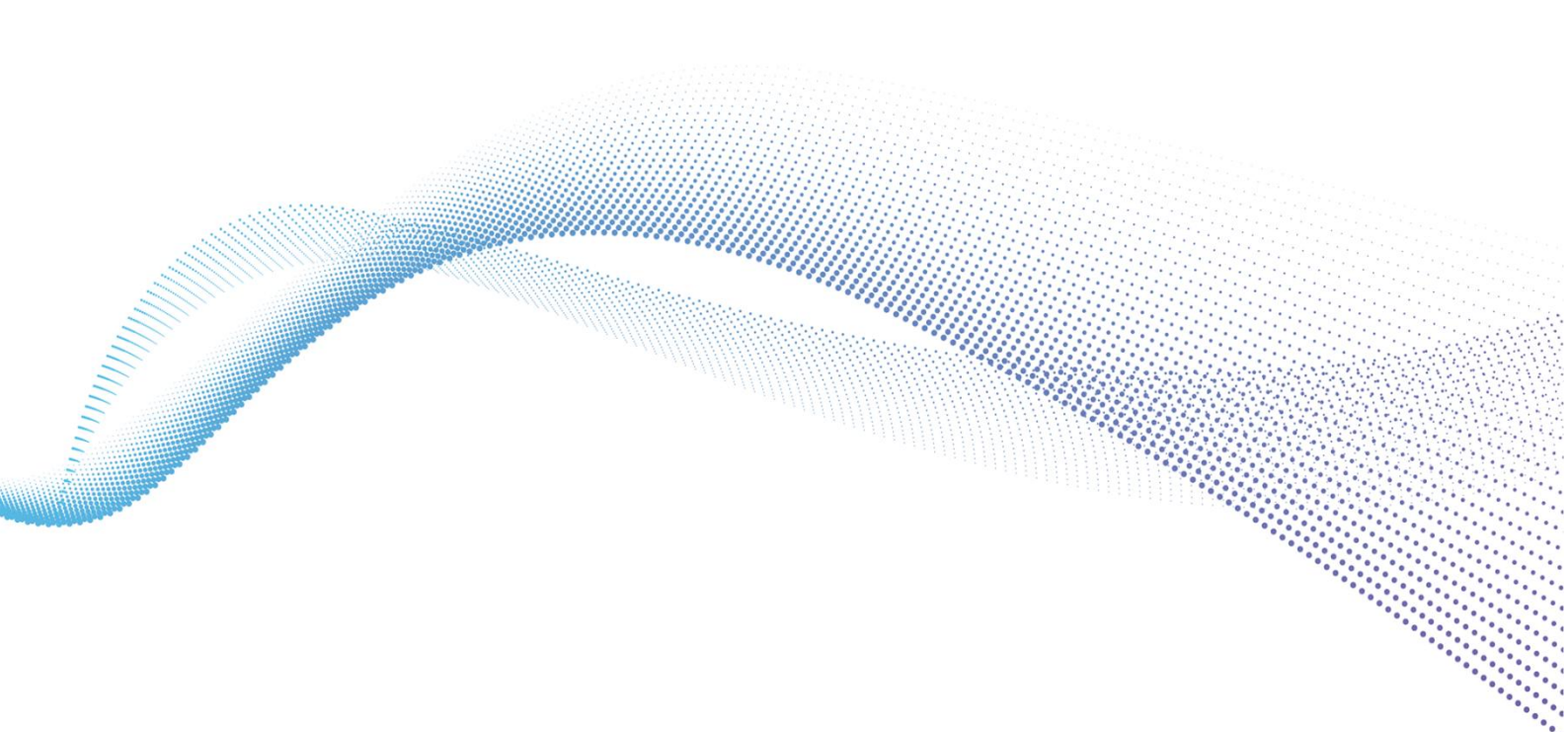




ECHELON DATA CENTRES

Dub 10 - Noise Management Plan

Environmental Management

Operations



ECHELON
DATA CENTRES

1. Document Control

Version	Date	Modified by	Description of Change
1.0	21/09/2026	GK	Issued

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3. Introduction & Regulatory Context

Facility Name: DUB10

Location: Crag Avenue, Clondalkin Industrial Estate, Dublin 22

Industrial Emissions (IE) Licence Register No: P1113-02

This Noise Management Plan (NMP) details the operational procedures, monitoring strategies, and mitigation protocols designed to manage noise emissions from the data centre facility. The facility operates under an Industrial Emissions (IE) Licence issued by the Environmental Protection Agency (EPA) of Ireland.

This plan has been structured in accordance with the EPA's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)*, January 2016. The objective of this NMP is to ensure full compliance with the noise limits specified in the facility's IE Licence, prevent noise nuisance at local Noise-Sensitive Locations (NSLs), and maintain a framework for continuous improvement and annual reporting.

4. Facility Overview & Noise-Sensitive Locations

4.1. Facility Operational Profile

The licensed installation operates on a continuous basis and comprises the DUB10 Energy Centre, associated data centre buildings and supporting infrastructure. Principal sources of environmental noise include power-generation plant, cooling and ventilation equipment, transformers and intermittent generator operation and testing.

4.2. Noise-Sensitive Locations (NSLs)

In accordance with EPA NG4, an NSL is defined as any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.

The three nearest noise-sensitive locations are:

- **NSL1:** Mayfield Park - Residential property approx. 80m to south of site (Receptor ID R1 in EIAR)
- **NSL2:** Block A Aras na Cluaine - Residential property approx. 80m to south of site (Receptor ID R3 in EIAR)
- **NSL3:** The Academy Westpoint - Apartment building approx. 185m to east of site (Receptor ID R8 in EIAR)

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5. EPA NG4 Noise Limits & Compliance Criteria

5.1. Standard Noise Emission Limits

In alignment with Section 4 of EPA NG4 and standard IE licence conditions, noise emissions from the facility evaluated at designated NSLs must not exceed the following limits:

Time Period	Hours	Measurement Period (T)	Noise Limit ($L_{A,r,T}$)	Tonal/Impulsive Constraint
Daytime	07:00 to 19:00	30 mins	55 dB $L_{Aeq,T}$	Assessed in accordance with EPA NG4
Evening	19:00 to 23:00	30 mins	50 dB $L_{Aeq,T}$	Assessed in accordance with EPA NG4
Night-time	23:00 to 07:00	30 mins	45 dB $L_{Aeq,T}$	No clearly audible tonal or impulsive component at any NSL

Note: $L_{A,r,T}$ is the rated sound pressure level, calculated as the measured $L_{Aeq,T}$ plus any character penalty applied for tonal or impulsive characteristics (as per NG4 Appendix 1).

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5.2. Tonal and Impulsive Noise Criteria

- **1/3 Octave Band Analysis:** Assessed in accordance with BS 4142: 2014: Annex C. A prominent tone is identified if the sound pressure level in one 1/3 octave band exceeds the level of the two adjacent bands by:
 - 15 dB in low-frequency bands (25Hz to 125Hz)
 - 8 dB in middle-frequency bands (160Hz to 400Hz)
 - 5 dB in high-frequency bands (500Hz to 10,000Hz)
- **Night-time Prohibition:** No tonal or impulsive noise from the facility should be clearly audible or measurable at any NSL.

5.3. EPA Notification Criteria.

The Environmental Protection Agency (EPA) shall be notified in accordance with the notification requirements and timescales specified in the facility's Industrial Emissions Licence where any of the following occurs:

- A confirmed exceedance of an applicable noise emission limit is identified at a Noise Sensitive Location.
- Noise monitoring indicates actual or suspected non-compliance with a noise-related condition of the Industrial Emissions Licence.
- A verified tonal or impulsive noise characteristic attributable to facility operations is identified at a Noise Sensitive Location.
- Repeated or substantiated complaints are received concerning the same or a related facility noise source.
- A plant malfunction, operating abnormality or incident occurs that has caused, or has the potential to cause, a significant off-site noise impact.
- A significant modification, replacement or addition to plant, equipment or operating arrangements is proposed that could materially affect the facility's acoustic emissions or compliance status.
- The EPA requests notification, investigation, monitoring information or other formal reporting concerning facility noise emissions.

Notifications shall be submitted through the appropriate EPA reporting channel and shall include, where available:

1. The date and time of the event, complaint or monitoring result.
2. The location at which the issue was identified.
3. The relevant monitoring results and applicable licence limit or condition.
4. The suspected or confirmed noise source.
5. The operational circumstances and plant status at the time.
6. Any immediate containment or corrective measures implemented.
7. The proposed investigation, monitoring and corrective action programme.

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Where all information is not available at the time of the initial notification, the initial notification shall be followed by supplementary information and a formal investigation or close-out report, as appropriate.

All EPA notifications, supporting records, monitoring data, correspondence, corrective actions and close-out evidence shall be retained within the Environmental Management System. The Noise Management Plan and associated operational controls shall be reviewed following any reportable noise incident or confirmed non-compliance.

The requirements of the facility's Industrial Emissions Licence shall take precedence where the licence specifies a particular notification threshold, reporting method or submission timescale.

6. Key Noise Sources & Engineering Controls

The primary noise sources associated with data centre operations and their engineering control measures are itemized below:

Noise Source	Source Classification	Primary Frequency/Character	Implemented Engineering Controls
Gas Turbine Generators	Continuous (24/7)	Broad-spectrum low-to-mid frequency	Acoustic attenuators on closed cycle exhausts - acoustic container enclosures
Steam Turbine Generator	Continuous (24/7)	Broad-spectrum low-to-mid frequency	Housed within enclosures
Black Start Diesel Generators	Intermittent (testing, gas turbine start-up)	High-level exhaust noise, low-frequency engine rumble	Exhaust silencers, acoustic container enclosures
Emergency Diesel Generators (EDGs)	Intermittent (testing, power outages)	High-level exhaust noise, low-frequency engine rumble	Exhaust silencers, acoustic container enclosures
Air Handling Units (AHUs)	Continuous (24/7)	Broad-spectrum low-to-mid frequency	Variable speed drives (VSDs)
Exhaust Fans	Continuous (24/7)	Broad-spectrum low-to-mid frequency	Variable speed drives (VSDs), Exhaust silencers
Chillers/Dry Coolers	Continuous (24/7), peak in summer	Mid-frequency fan noise, compressor hum	Low-noise fan blades, variable speed drives (VSDs), compressor jackets or enclosures, anti-vibration mounts (AVMs)
Transformer Substations	Continuous (24/7)	Tonal hum (100 Hz and harmonics)	Blast walls/acoustic barriers

7. Annual Noise Survey Methodology (NG4 Aligned)

As mandated by the IE Licence, an annual noise survey will be conducted in accordance with EPA NG4 guidelines by a competent acoustic consultant.

7.1. Minimum Survey Quantities

For facilities subject to standard IE licence conditions, the minimum monitoring periods per NSL location are:

- **Daytime:** Minimum of **3** sampling periods (30 mins each)
- **Evening:** Minimum of **1** sampling period (30 mins)
- **Night-time:** Minimum of **2** sampling periods (30 mins each)

7.2. Parameters to be Recorded

- **L_{Aeq,T}:** Equivalent continuous sound level (total noise).
- **L_{AF90,T}:** Background noise level (statistically representative of continuous facility noise in the presence of off-site road traffic).
- **L_{AF10,T}:** Indicator of road traffic noise.
- **1/3 Octave Band Spectra:** Unweighted frequency analysis across 20 Hz - 10 kHz to prove absence of tonal noise.

7.3. Weather & Equipment Guidelines

- **Instrumentation:** Type 1/Class 1 Sound Level Meters (IEC 61672-1), field calibrated before and after each measurement run (drift < 0.5 dB).
- **Meteorological Limits:** Surveys must be performed in dry conditions with wind speeds < 5 m/s at the microphone location. An on-site or local weather station log must accompany the survey report.

7.4. Reporting

Survey reports must follow the guidance provided in NG4 and be submitted to the EPA via the EDEN portal as part of the Annual Environmental Report (AER). The report should include a general description of the measurements, including a summary of the levels of the various noise descriptors for the relevant time periods. Special note should be made of the character of the sound and the presence or otherwise of tones or impulsive elements. The report should include a statement of compliance, or otherwise, with the licence conditions.

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8. Operational Controls & Mitigation Strategy

8.1. Routine Operational Protocols

1. **Airflow Management:** Maintain optimal system static pressures to prevent fans running at maximum velocity unnecessarily.
2. **Access Management:** Keep all plant room doors, acoustic louvres, and generator container access panels securely closed during operation, unless necessitated for provision of emergency repairs.
3. **Speed Control:** Utilise VSDs in design on chillers and cooling plant to ramp down fan speeds during lower ambient temperature periods (this is predominately applicable during night-time hours).

8.2. Emergency Diesel Generator (EDG) Testing Protocol

To minimize off-site impact, testing of back-up generation infrastructure is strictly controlled:

- **Schedule:** Maintenance testing is restricted strictly to Daytime hours (09:00 to 17:00, Monday to Friday). Testing during evening or night-time hours is prohibited except under true emergency grid failure.
- **Staggered Testing:** Generators should be tested sequentially rather than simultaneously to avoid cumulative noise spikes.

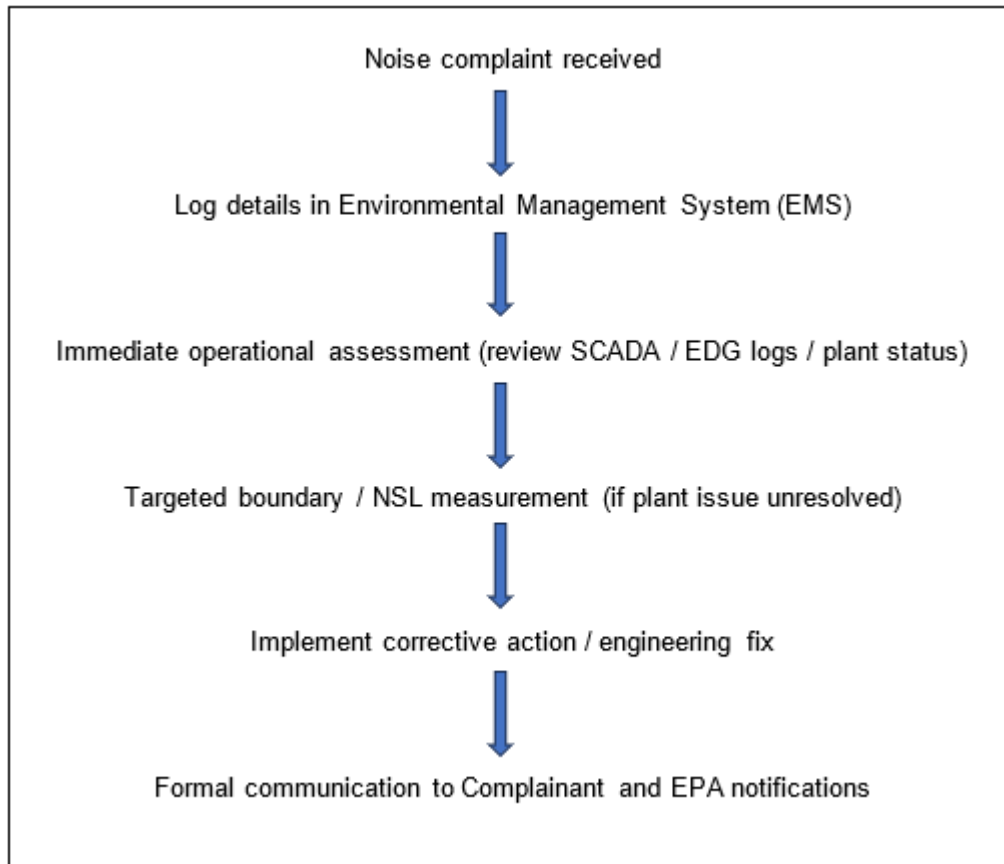
8.3. Preventive Maintenance Program

- Periodic checks of anti-vibration mounts (AVMs) on mechanical plant to prevent acoustic bridging to the building structure.
- Quarterly visual and physical inspection of acoustic attenuators and engineering controls for damage or degradation.
- Routine dynamic balancing of large cooling fans and rotating equipment to mitigate low-frequency vibration and tonal development.

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9. Complaint Handling & Incident Response Protocol

Any noise complaint received directly or via the EPA must trigger the following procedure:



9.1. Complaint Investigation Steps

1. **Logging:** Record the details of the complaint in line with NG4 Appendix 10.
2. **Operational Audit:** Cross-reference complaint timestamp with site SCADA logs, chiller run rates, and EDG testing logs to isolate the responsible equipment.
3. **Acoustic Assessment:** If the noise source is non-obvious, conduct spot measurements (including 1/3 octave analysis) at the affected NSL and boundary positions.
4. **Remediation:** Apply temporary throttle, maintenance repair, or acoustic retrofit as required.
5. **Report:** Prepare an investigation report in line with guidance provided in NG4 Appendix 10.

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10. NMP Review & Continuous Improvement

This Noise Management Plan shall be reviewed as part of the facility's Environmental Management System review schedule and, as a minimum, annually. Additional reviews shall be undertaken following any significant noise-related event, material operational change, confirmed non-compliance or change in applicable regulatory requirements.

The review shall assess the continued suitability, adequacy and effectiveness of the Noise Management Plan and its associated operational, monitoring and mitigation controls.

The review shall consider, as a minimum, the following inputs:

- Results, findings and recommendations from annual noise surveys and any supplementary acoustic assessments.
- Noise complaints received during the review period, including complaint trends, investigation findings, response times and close-out status.
- Correspondence, notifications, inspection findings, requests or other communications received from or submitted to the EPA.
- Proposed or completed plant modifications, replacements, additions or operational changes that could affect the facility's acoustic emissions.
- Results from routine, targeted or investigative noise monitoring, including any identified tonal or impulsive characteristics.
- Noise-related incidents, emission limit exceedances, licence non-compliances and abnormal operating conditions.
- Corrective and preventive actions, including their implementation status and evidence of effectiveness.
- The condition and performance of noise-control measures, including acoustic enclosures, attenuators, silencers, barriers, anti-vibration mounts and plant speed controls.
- Changes to the Industrial Emissions Licence, EPA guidance, applicable legislation, recognised standards or other compliance obligations.
- Changes to nearby Noise Sensitive Locations or other relevant changes in the surrounding environment.
- Recommendations arising from internal audits, external audits, management reviews or competent acoustic consultants.
- Opportunities for continual improvement in noise prevention, monitoring, mitigation, complaint handling, record keeping and operational control.

The review shall determine whether revisions are required to:

1. Noise-related objectives, targets and improvement programmes.
2. Operational controls and plant operating restrictions.

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3. Monitoring locations, parameters, frequencies or methodologies.
4. Preventive maintenance and inspection requirements.
5. Complaint handling, investigation and escalation procedures.
6. EPA notification and reporting arrangements.
7. Roles, responsibilities, competency or training requirements.
8. Corrective actions, engineering controls or capital improvement measures.

The outcome of each review shall be documented and shall identify the review date, information considered, findings, decisions, required actions, responsible persons and target completion dates. Any approved changes shall be incorporated into the Noise Management Plan through the facility's document control process, and relevant personnel shall be informed of changes affecting their responsibilities.

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11. Responsibilities

The following personnel are responsible for the implementation of this NMP:

Task	Action	Responsible Person
Annual Noise Survey	Arrange survey by competent acoustic consultant	Environmental Manager
	Submit report to the EPA via the EDEN portal	Environmental Manager
Routine Operational Protocols	Maintain optimal system static pressures to prevent fans running at maximum velocity unnecessarily	Plant Manager
	Keep all plant room doors, acoustic louvres, and generator container access panels securely closed during operation	Plant Manager
	Utilize VSDs on chillers and cooling plant to ramp down fan speeds during lower ambient temperature periods (particularly during night-time hours)	Plant Manager
Emergency Diesel Generator (EDG) Testing Protocols	Ensure that maintenance testing is only carried out during Daytime hours (09:00 to 17:00, Monday to Friday)	Plant Manager
	Ensure that generators are tested sequentially rather than simultaneously to avoid cumulative noise spikes	Plant Manager
Preventative Maintenance Programme	Carry out periodic checks of anti-vibration mounts (AVMs) on mechanical plant	Plant Manager
	Carry out quarterly visual and physical inspection of acoustic attenuators and engineering controls	Plant Manager
	Carry out routine dynamic balancing of large cooling fans and rotating equipment	Plant Manager
Complaint Handling & Incident Response Protocol	Record details of noise complaints	Environmental Manager
	Cross-reference complaint timestamp with site SCADA logs, chiller run-rates, and EDG testing logs to isolate the responsible equipment	Environmental Manager
	Conduct spot measurements (including 1/3 octave analysis) at the affected NSL and boundary positions	Environmental Manager
	Apply temporary throttle, maintenance repair, or acoustic retrofit as required	Environmental Manager
	Prepare an investigation report	Environmental Manager
NMP Review & Continuous Improvement	Review the NMP on completion of the Annual Noise Survey	Environmental Manager
	Review the NMP before/after any major modification, plant expansion, or installation of additional cooling/power infrastructure on site	Environmental Manager
	Review the NMP on receipt of a verified noise complaint from a local resident or an EPA site inspection finding	Environmental Manager
	Review the NMP following any changes to the site's IE Licence conditions or updates to EPA NG4 guidance	Environmental Manager

12. Implementation and Completion of Supporting Appendices

This Noise Management Plan establishes the framework for the management, monitoring and control of environmental noise associated with the DUB10 campus, including the Energy Centre and associated data centre operations.

At the date of submission of this Noise Management Plan to the Environmental Protection Agency, certain supporting appendices, operational templates, drawings and registers remain under development. These items shall be prepared, verified, approved and brought into use no later than 22 December 2026, being the implementation deadline established under Condition 6.13.3 of IE Licence P1113-02, unless an alternative date is approved or directed by the EPA.

The implementation programme will include the following:

1. **Appendix A: Site Layout Plan Showing Noise Sources and Receptors**
Preparation of a controlled site layout drawing identifying the site boundary, principal noise-generating plant, relevant Noise Sensitive Locations, environmental noise monitoring positions and installed acoustic control measures.
2. **Appendix B: Noise Complaint Form Template**
Development and implementation of a controlled form for recording, assessing, investigating, escalating and closing out noise complaints.
3. **Appendix C: Noise Investigation Report Template**
Development and implementation of a standard report template for the investigation of noise complaints, abnormal noise events, monitoring exceedances and potential non-compliances.
4. **Appendix D: Annual Noise Survey Specification**
Preparation of a controlled technical specification defining the minimum scope, methodology, monitoring locations, operating information, reporting requirements and deliverables for the annual noise survey.
5. **Appendix E: EPA Licence Noise Conditions**
Compilation of a controlled register containing the applicable noise-related conditions and requirements from the facility's current Industrial Emissions Licence and any relevant technical amendments.
6. **Appendix F: Asset Register of Noise-Critical Plant**
Development of a controlled register identifying noise-critical plant, associated acoustic controls, operating restrictions, inspection and maintenance requirements, ownership and asset criticality.

12.1. Implementation Control

Progress against the implementation programme shall be monitored through the facility's Environmental Management System. Each item shall have an assigned owner, target completion date and recorded approval status.

The supporting documents shall be considered implemented when they have been:

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- Prepared and checked for technical accuracy.
- Assigned an appropriate document or drawing reference.
- Reviewed and approved through the facility's document-control process.
- Communicated to the relevant operational personnel.
- Made available at the point of use.
- Incorporated into applicable operating, monitoring, maintenance or complaint-management processes.

Where completion of an item depends on information from a third party, consultant, contractor or design team, the outstanding information and action owner shall be recorded and monitored through the Environmental Management System action tracker.

Any delay that could prevent completion within the three-month implementation period shall be escalated internally and assessed to determine whether communication with the EPA is required.

12.2. Interim Arrangements

Pending completion of the supporting appendices, the facility shall continue to manage environmental noise through the requirements and controls contained within this Noise Management Plan, the Industrial Emissions Licence, existing site operating procedures, available plant drawings, monitoring records and established incident and complaint-management arrangements.

The absence of a completed supporting appendix shall not remove or defer any applicable licence obligation, emission limit, monitoring requirement, incident notification requirement or duty to investigate environmental noise complaints.

12.3. Incorporation into the Noise Management Plan

On completion and approval, each appendix shall be incorporated into the controlled Noise Management Plan or referenced as a separately controlled supporting document.

The completion of an appendix or supporting document shall be recorded in the NMP revision history. Where a separately controlled document is used, the NMP shall identify its:

- Document title.
- Document reference.
- Current revision.
- Document owner.
- Approved location

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12.4. Implementation register

Ref.	Supporting item	Key deliverable	Responsible role	Target completion	Status
A	Site Layout Plan	Controlled drawing showing sources, controls, monitoring locations and receptors	Environmental Manager / Engineering Manager	By 22 December 2026	In development
B	Complaint Form	Approved form and complaint logging process	Environmental Manager	By 22 December 2026	Draft prepared, pending approval
C	Investigation Report	Approved investigation and close-out template	Environmental Manager	By 22 December 2026	In development
D	Annual Survey Specification	Approved consultant survey specification	Environmental Manager	By 22 December 2026	Draft specification prepared, pending approval
E	EPA Licence Conditions	Verified register of applicable licence requirements	Environmental Manager	By 22 December 2026	Included in NMP, pending final verification
F	Noise-Critical Asset Register	Populated and approved asset register	Plant Manager / Environmental Manager	By 22 December 2026	In development

Appendix A. *Site Layout Plan*

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"To be developed within three months of NMP approval and controlled within EMS."

Contents to include:

- Site layout drawing.
- Noise sources.
- Monitoring points.
- NSLs.
- Acoustic mitigation.

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Appendix B. *Complaint Form*

A controlled Noise Complaint Form will be developed, approved and implemented as part of the facility's Environmental Management System within the implementation period specified in this Noise Management Plan.

The form will support compliance with Condition 11.8 of IE Licence P1113-02 by recording, as a minimum, the date and time of each complaint, complainant details where provided, the nature of the complaint and the response made. It will also provide for initial assessment, investigation, escalation, corrective action, EPA notification assessment and documented close-out.

Until the controlled form is implemented, all noise-related complaints will be recorded and managed through the existing environmental complaint and incident-management arrangements. The absence of the completed template will not defer or remove any requirement to record, investigate, respond to or notify the EPA of an environmental complaint or associated licence breach.

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Appendix C. *Investigation Report*

A controlled Noise Investigation Report Template will be developed, approved and implemented as part of the facility's Environmental Management System within the implementation period specified in this Noise Management Plan.

The template will provide a structured method for investigating noise complaints, abnormal noise events, suspected or confirmed noise-related incidents and potential breaches of IE Licence P1113-02. It will provide for the identification of the nature, source and cause of the event; assessment of relevant operational and acoustic evidence; evaluation of environmental impact and licence compliance; identification of immediate controls; and the assignment, implementation and verification of corrective and preventive actions.

The investigation record will include, where applicable, a chronology of events, relevant plant operating data, SCADA/BMS records, maintenance and testing records, weather conditions, acoustic monitoring results, source identification, root-cause analysis, EPA notification status, conclusions, action owners, target dates and formal close-out approval.

Until the controlled template is implemented, noise-related investigations will be documented through the existing environmental incident, non-conformance and corrective-action arrangements. The absence of the completed template will not defer or remove any requirement to investigate an incident, isolate or control the source, assess environmental consequences, restore compliance, implement corrective action or notify the EPA where required under IE Licence P1113-02.

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Appendix D. *Annual Survey Specification*

A controlled Annual Noise Survey Specification will be developed, approved and implemented as part of the facility's Environmental Management System within the implementation period specified in this Noise Management Plan. The specification will reflect Condition 6.13 and Schedule B.3 of IE Licence P1113-02 and the methodology specified in EPA NG4. Until the controlled specification is implemented, annual noise surveys will be commissioned and assessed directly against the requirements of the licence and EPA NG4. The absence of the completed specification will not defer or remove the requirement to undertake the annual noise survey or comply with the applicable monitoring and noise emission limits.

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Appendix E. *EPA Licence Conditions*

This appendix summarises the principal noise-related requirements of Industrial Emissions Licence **P1113-02** applicable to this Noise Management Plan.

It is provided as an operational reference only and does not replace or reinterpret the licence. The current licence, including any amendments or subsequent EPA directions, remains the authoritative document.

Licence reference	Applicable requirement
Condition 1.5	Proposed alterations or changes that could materially affect emissions or environmental controls require assessment and, where applicable, prior notification to and approval from the EPA.
Condition 2.2.4	Noise management shall be considered within the facility's Schedule of Environmental Objectives and Targets.
Condition 2.2.7	Corrective and preventive actions shall be implemented and documented where licence requirements are not fulfilled.
Condition 2.2.11	Plant, including noise-control equipment, shall be maintained under a controlled maintenance programme supported by appropriate records.
Condition 4.5	Noise from the installation shall not exceed the limits specified in Schedule B.3 at any Noise Sensitive Location.
Condition 5.3	Emissions shall not impair or interfere with amenities or the environment beyond the installation boundary.
Condition 5.6	Appropriate BAT techniques shall be used to prevent or, where prevention is not practicable, reduce noise emissions.
Conditions 6.13.1 and 6.13.2	A noise survey of site operations shall be completed annually in accordance with EPA NG4.
Condition 6.13.3	The Noise Management Plan shall be prepared, maintained and implemented; shall include noise-reduction and abatement measures; shall be implemented within six months of the licence grant; and shall be reviewed annually and updated as necessary.
Condition 9.3	Noise-related incidents shall be investigated, the source controlled, environmental consequences assessed and corrective measures implemented.
Condition 11.4	The EPA shall be notified as soon as practicable following an incident, accident or breach of a licence condition.

Condition 11.8	All environmental complaints and the responses made shall be recorded.
Conditions 11.9 and 11.10	Relevant monitoring, maintenance, correspondence, procedures, records, drawings and plans shall be retained and available for EPA inspection.
Schedule A.3	Back-up generators shall be tested one at a time and sequentially, within the specified load, duration and frequency restrictions.
Schedule B.3	Establishes the applicable noise limits, monitoring locations, monitoring frequency and minimum survey durations.

- **Noise Emission Limits**

Period	Hours	Measurement period	Limit
Daytime	07:00 to 19:00	30 minutes	55 dB LAeq,T
Evening	19:00 to 23:00	30 minutes	50 dB LAeq,T
Night-time	23:00 to 07:00	30 minutes	45 dB LAeq,T

During night-time hours, there shall be no clearly audible tonal or impulsive component in noise emissions from the activity at any Noise Sensitive Location.

- **Annual Monitoring Requirements**

Annual noise monitoring shall be undertaken at monitoring points **N1, N2 and N3**, or at alternative locations approved by the EPA. The survey shall include, at each location:

- Three daytime sampling periods.
- One evening sampling period.
- Two night-time sampling periods.
- A duration of 30 minutes for each sampling period.

Night-time measurements shall be undertaken between **23:00 and 04:00, Sunday to Thursday**, with **23:00 as the preferred start time**.

Control note: This appendix shall be reviewed against the current IE Licence during the annual NMP review and following any licence amendment or relevant EPA direction. In the event of any discrepancy, IE Licence P1113-02 shall take precedence.

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Appendix F. *Noise-Critical Asset Register*

The Noise Critical Plant Register will be developed and implemented within three months of approval of this Noise Management Plan and incorporated into the Environmental Management System. The register will identify equipment with potential to contribute to environmental noise emissions, associated mitigation measures, maintenance requirements, ownership and inspection requirements.

Initial scope:

- Gas turbines.
- Steam turbine.
- Black start generators.
- Emergency generators.
- Chillers.
- Dry coolers.
- AHUs.
- Exhaust fans.
- Transformers.
- Acoustic attenuators.
- Acoustic enclosures.
- Acoustic barriers.

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