

Noise and Vibration Management Procedure

1. Purpose

The purpose of this Procedure is to provide a summary of tasks, responsibilities, tools and templates applicable to renewals programs delivered by the Project Delivery Group relevant to noise and vibration management. The Procedure includes:

- Minimising Noise On-Site
- Sound Barriers
- Work Activity Scheduling

This procedure does not cover noise and vibration impacts in the aquatic environment, which is covered in the Working in and Around Water Procedure.

The scope also includes the assignment of responsibilities to each of the procedure steps. This document should be read in conjunction with the following documents:

- Incident Management - Reporting and Investigation Procedure
- PDG Environmental Management Plan
- Environmental Monitoring Procedure

2. Scope

<input type="checkbox"/> Planning	<input type="checkbox"/> Delivery	<input type="checkbox"/> Handover
<input type="checkbox"/> Program Management	<input type="checkbox"/> Procurement	<input type="checkbox"/> Community & Stakeholder
<input type="checkbox"/> Safety	<input checked="" type="checkbox"/> Environment	<input type="checkbox"/> Quality

This Procedure steps through the processes for <describe> for projects and programs delivered by TasWater.

3. Definitions

This Procedure should be read in conjunction with the Project Delivery Group Acronyms and Glossary document.

This is not an exhaustive list. It provides step-by-step guidance. Please refer to the relevant management plan or tools for detailed information.

4. Minimising Noise On-site

The purpose of this procedure is to provide effective management and mitigation methods to minimise noise production during the construction phase of a project.

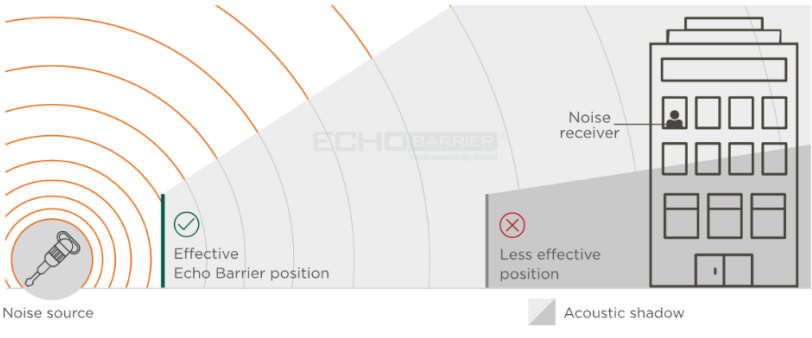
PROCEDURE	RESPONSIBILITY
NOISE MANAGEMENT AND MITIGATION	
<ul style="list-style-type: none"> • Minimise metal-on-metal contact; bins, skips and chutes can be lined with material such as scrap carpet or rubber to buffer noise. • Avoid dropping items from a height, use chutes. • Turn mechanical equipment off when not in use. 	Contractor

PROCEDURE	RESPONSIBILITY
<ul style="list-style-type: none"> Minimise the use of PA systems, megaphones or similar in sensitive areas, near to residents etc. Repair loose and rotating parts, replace worn bearings and gears and regularly maintain machinery. Absorb acoustic shock by providing wear-resistant rubber or plastic coatings Stiffen and fix damping materials to panels and other surfaces to reduce vibration and noise impacts. 	
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5. Use of Sound Barriers

The purpose of this procedure is to provide methods for the use of sound barriers.

PROCEDURE	RESPONSIBILITY
USE OF SOUND BARRIERS	
<ul style="list-style-type: none"> Temporary or permanent sound barriers can be used to dampen the noise generated by construction activities between the project area and sensitive receptors. Barriers should be located as close as possible to the noise source or the sensitive receptor. Gaps or openings at joints in the barrier material should be minimised and barriers need to be sufficiently dense, generally a density of at least 10kg/m² should be used. Temporary barrier design can include earthen mounds, wooden panel fences, temporary lightweight concrete panel fences or plastic barriers. Barriers should aim for a reduction of at least 5 dB(A) at the sensitive receptor target to be considered noticeably different. This can be assessed using the methods outlined in the Environmental Monitoring Procedure. When using stationary machinery (e.g. a generator) use a sound-dampening enclosure if possible and ensure doors remain closed. 	Contractor

PROCEDURE	RESPONSIBILITY
 <p style="text-align: center;">Effective Acoustic Fencing Placement</p>	

6. Working Hours

The purpose of this procedure is to identify working hours and requirements for working outside of these hours.

PROCEDURE	RESPONSIBILITY
WORK ACTIVITY HOURS	
<ul style="list-style-type: none"> • If the regulatory permit for a project does not have specific working hour restrictions, then standard working hour restrictions outlined in the <i>Environmental Management and Pollution Control (Noise) Regulations 2016</i> apply: <ul style="list-style-type: none"> ○ Monday to Friday: 7am to 6pm ○ Saturday: 9am to 6pm ○ Sunday and Public Holidays: 10am to 6pm • If local council by-laws are in place, these will take precedence over the above hours. • Any works undertaken outside of these hours require an Out of Standard Hours Work Permit to be completed and accepted by your TasWater Environmental Advisor. • Allowable working hours can be found in the Site Environment Plan for the project. 	Contractor

7. References

This procedure is supported by implementation of the following Procedures, Tools and Knowledge:

- Working in and Around Water Procedure
- Incident Management - Reporting and Investigation Procedure
- PDG Environmental Management Plan
- Environmental Monitoring Procedure
- Out of Standard Hours Work Permit