

# Noise Management Plan

MICRO SURFACING

CONTRACT NO: 0040/23-0018 2024/2025

SHIRE OF NANNUP

EMERGENCY CONTACT NUMBERS		
Description	Telephone	
Ambulance	000	
Fire	000	
Police	000	
SES Assistance in Floods and Storms	132 500	
NON EMERGENCY CONTACT NUMBERS		
Employee Assistance Program	1800 808 364 or SMS 0439 449 846	
Poisons Information Centre	13 11 26	
National Non-Emergency Police Assistance line	131 444	
National Non-Emergency Health Advice	1800 022 222	
MICRO-SURFACING CONTACT NUMBERS		
Name/Email	Position	Mobile
Mark Parsons Mark.Parsons@fultonhogan.com.au	National Operations Manager / First Aider (24Hr)	0447 474 194
Fernando Marinelli Fernando.Marinelli@fultonhogan.com.au	Fulton Hogan Representative / Project Manager / First Aider / Mental First Aider (24Hr)	0499 501 563
Serdar Topal Serdar.Topal@fultonhogan.com.au	Supervisor / First Aid / Mental First Aider (24Hr)	0499 700 763
Nicki Koppers nicki.koppers@fultonhogan.com.au	National People Coordinator	+61400149525
Simon Mcleish SimonMcleish@fultonhogan.com.au	Regional Safety Advisor	0407 681 750
BUSINESS UNIT DEPOT		
Company Address: 124 Doherty's Road, Laverton North, VIC, 3026		
Phone	03 8360 4900	
Email	Microsurfacing@fultonhogan.com.au	

# Noise Management Plan – Micro Surfacing- Au

## Contents

<b>1. Introduction</b> .....	<b>4</b>
1.1. Purpose/Legislation.....	4
1.2. Scope .....	4
1.3. Work locations.....	5
Location .....	<b>Error! Bookmark not defined.</b>
<b>2. Resources, roles and responsibilities</b> .....	<b>6</b>
2.1. Management team and responsibilities.....	6
2.2. Out of hours work .....	6
2.3. Mobile plant to be engaged.....	6
2.4. Operational noise levels .....	7
<b>2.4.1. Worst case scenario</b> .....	<b>8</b>
Operating paver (full revs) with a live bottom truck reversed up with reverse alarm still operational (truck not in neutral). .....	8
Predicated noise levels in dBA =.....	<b>Error! Bookmark not defined.</b>
Clear work area with no structures adjoining the work area. ....	8
Still day and no passing traffic. ....	8
Plant operating to manufactures specifications. ....	8
No sound barriers installed.....	8
<b>2.4.2. Where noise will be generated</b> .....	<b>8</b>
Areas where the noise will be generated from and how. ....	8
Site noise - .....	8
• Live bottom trucks delivering the product to the paver – truck noise and the reverse alarm when reversing to the paver.....	8
• Operation of the Bergkamp paver - engine noise during operation.....	8
• Sweeper – engine noise and broom noise during operation .....	8
• Sthil blower – during high revs blowing loose aggregate .....	8
Stack site noise - .....	8
• Wheel loader – engine noise when loading product onto the live bottom trucks and reverse alarm	8
• Petrol pump – engine noise when transferring product from the bulk tanker to the live bottom trucks	8
2.4.3. Noise controls .....	8
2.5. Noise monitoring .....	9
2.6. Method of providing public notification .....	9

2.7. Compliant management and response ..... 9

2.8. Stakeholders and other interested parties ..... 10

2.9. Letter drop sample ..... 11

**3. Revision History ..... 13**

## 1. Introduction

### 1.1. Purpose/Legislation

This Noise Management Plan provides the workplaces with the guidelines to perform their work activities in full compliance with the Environmental Protection (Noise) Regulations 1997 (reg 13) for construction work outside the hours of 7am to 7pm Monday to Friday to Saturday and public holidays and AS 2436 Guide to noise and vibration control on construction, demolition and maintenance sites.

A noise management plan is required as per Main Roads Contract No:0040/23-0018 to ensure full compliance of the night operations.

### 1.2. Scope and Dates

The location of the works is the Vasse Highway - Nannup Townsite between SLK 57.73 and 59.08. Works are scheduled to commence on the 10<sup>th</sup> of February and to be completed on 14<sup>th</sup> of February. Time frames and dates may be subject to change due to unforeseen circumstances or delays outside of Fulton Hogan controls.

Working hours are from 19:00 to 5:00

An approved Traffic Management Plan (TMP) will be prepared and implemented for all projects involving after-hour road works.

### 1.3. Work locations

M008 Microsurfacing 57.73 - 59.08 Overview Map



November 29, 2022

Search SLK: m008 SLK 57.73 to 59.08

• SLK Points State Roads

State Road Network

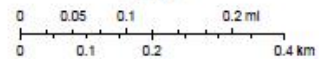
Local Road Network

Red: Band\_1

Green: Band\_2

Blue: Band\_3

1:6,000



► Map 1: Work Location Map

## 2. Resources, roles and responsibilities

### 2.1. Management team and responsibilities

Micro Surfacing management has the overall responsibility for the implementation of this Noise Management Plan and ensuring the team understand the requirements.

- Act on any excessive site noise emissions
- Revise works/activities where required to minimise impacts on the neighbouring properties
- Monitor and reporting noise issues
- Communicate with the client as required
- Fulton Hogan team is responsible for implementing noise reduction as required

### 2.2. Out of hours work

Need for the work to be done out of hours

The aim would be to complete the works during day light hours but due to a variety of factors this may not be possible due to:

- The volume of traffic that will be impacted causing consistent delays and congestion
- Over runs due to restricted access from traffic volume/movements
- Risk to the Fulton Hogan team, general public or client staff
- Adjacent properties or businesses restricting deliveries or general access
- Access or responding to emergency services from traffic delays/congestion
- Safe access for people and plant

### 2.3. Mobile plant to be engaged

The effort shall be made to select plant and equipment that minimises the generation of noise and that is in good repair, it is acknowledged that the equipment and plant to be used will generate noise.

The following list of mobile plant will be engaged for the night works onsite:

- Bergkamp paver – paving machine
- Truck mounted live bottom tandems and semi – delivery of product to the paver
- Tractor mounted sweeper – sweeping areas to be paved
- Lighting towers - providing adequate light for night works
- Light vehicles – access across the project during works

The following list of mobile plant will be engaged for the night works at the stack site:

- Rubber tyred loader – load the live bottom trucks with product
- Truck mounted live bottom tandems and semi – delivery of product to the paver
- Bulk tanker – storage of product

- Lighting towers – providing light for night works

To ensure the equipment used is the quietest reasonably available in accordance with the requirements of AS 2436 all equipment is serviced and maintained to manufacturers recommendations.

This ensures equipment operates as intended by the manufacturer.

## 2.4. Operational noise levels

During the works the level of noise generated and received will vary due to many factors.

- Existing barriers to the work area
- environmental conditions at the time
- the specific activity

This will make it difficult to list a noise level without taking noise readings for each activity and location. A predicted level as per the general activity on the worst case to be listed and this may be above the projects actual noise levels.

### Predicted noise levels from operating plant

Paving plant	dB(A) reading at source	10 m	20 m	50 m	100 m	400 m
		Predicted noise level (dB)	Predicted noise level (dB)	Predicted noise level (dB)	Predicted noise level (dB)	Predicted noise level (dB)
Bergkamp	110 dB	85	79	71	67	53
Truck mounted live bottom	87	67	61	53	47	35
Semi live bottom	87	67	61	53	47	35
Tractor mounted sweeper	55	35	29	21	15	3
Lighting tower	87 (if not solar)	59	53	45	39	27
Sthil blower	96 dB	75	68	60	54	42
Light Vehicles(reversing)	85	64	60	51	46	32
<b>Stack site plant</b>						
	dB(A) reading at source					
Rubber tyred loader	76.5 dB	55	47	41	39	33
Truck mounted live bottom	87	67	61	53	47	35
Semi live bottom	87	67	61	53	47	35
Lighting tower	87 (if not solar)	59	53	45	39	27



## 2.4.1. Worst case scenario

Operating paver (full revs) with a live bottom truck reversed up with reverse alarm still operational (truck not in neutral).

Clear work area with no structures adjoining the work area.

Still day and no passing traffic.

Plant operating to manufactures specifications.

No sound barriers installed

## 2.4.2. Where noise will be generated

Areas where the noise will be generated from and how.

Site noise -

- Live bottom trucks delivering the product to the paver – truck noise and the reverse alarm when reversing to the paver
- Operation of the Bergkamp paver - engine noise during operation
- Sweeper – engine noise and broom noise during operation
- Sthil blower – during high revs blowing loose aggregate

Stack site noise -

- Wheel loader – engine noise when loading product onto the live bottom trucks and reverse alarm
- Petrol pump – engine noise when transferring product from the bulk tanker to the live bottom trucks

## 2.4.3. Noise controls

To ensure the impact of the noise and the disturbance to the adjoining residents is minimised the proposed actions are:

- Serviced and maintained plant to prevent excessive noise and break downs
- Inducted component operators will be informed at the commencement of each shift the proposed works for the shift, start and finish chainage, any noise sensitive areas and the standard noise practices, e.g.: use of small voice and not yelling, cabins closed and use of UHF radios.
- Considerable planning to have vehicle movements conducted during the day shift e.g.: product deliveries, transfer of products and plant repairs
- Solar lighting towers (where possible) to eliminate the noise from diesel motors
- Once work commences the aim will be to continuously progress the paving along the road which will prevent an excessive noise exposure for each resident
- Written notice (letter drop) to be provided to the affected residents and businesses 48 hours prior to commencement informing them of the proposed activity and the duration
- Variable message boards to be set up communicating to the general public of the proposed works 1 week prior to commencement
- Nominated manager appointed to address any concerns or complaints that may arise from the works

- When the plant is not operational the requirement will be to lower the power to an idle or shut down to eliminate or reduce the noise generated
- Road closures to reduce the requirement to reverse and the reverse alarms operating
- Reversing alarms will be self-adjusting
- Stack sites will be designated and as far as practicable from the residential area
- Emergency services communicated of the proposed works to prevent the likelihood of interaction during a shift (lane/road closure)
- Crew to conduct themselves in appropriate manner with no yelling or swearing
- Constant shift monitoring with the aim to adjust or improve the noise management
- The sounding of vehicle or plant horns for basic communication prohibited (unless emergency)
- Noise report required for any new plant or equipment operating on site
- Truck drivers to stay in the trucks and to limit doors slamming shut
- Vehicle noise – truck speeds to be monitored
- Hand tools to be carried and not dragged
- Traffic management to place signage and stands and not to throw into their vehicle during set up/pack up
- Residential Noise exposure will be limited as the paver travels continuously at 5km/hr during operations.
- We anticipate works on the lane closest to residential side be complete within 3-4 hours, thereby reducing the noise further.
- Whilst not in operation equipment will be idled down or turned off completely.

### 2.5. Noise monitoring

Works will be conducted as per the noise management plan.

### 2.6. Method of providing public notification

The notification of the works will be conducted via the following tools:

- Variable message boards notifying the general public of the proposed works at least 1 week prior to commencement
- Residential and businesses located within 100 meters of the proposed work will be notified via a letter drop at least 48 hours prior to commencement

### 2.7. Compliant management and response

Residents and businesses affected by the works will be provided works details via the letter drop with the project manager details.

All complaints or commendations shall be recorded in CAMs.

## 2.8. Stakeholders and other interested parties

The following table details the needs of key stakeholders and interested parties to the works.

STAKEHOLDER/INTERESTED PARTY	NEEDS
Main Roads	Develop noise management plan
Local Councils	Develop noise management plan
Residents	Notification of the proposed work dates and times
Local Businesses	Notification of the proposed work dates and times

## 2.9. Letter drop sample



Fulton Hogan Industries Pty Ltd  
ABN 54 000 538 689

[www.fultonhogan.com](http://www.fultonhogan.com)

### ROADWORKS NOTIFICATION

To Owner/Occupier

Dear Sir/Madam,

#### DATE OF ROAD SURFACING NIGHT WORKS

Vasse Highway SLK 57.73 to 59.08 From Flat Street to Adam Street See reverse for map of works	
<b>From</b>	<b>To</b>
<b>Monday 10/02/2025</b>	<b>Thursday 13/02/2025</b>

#### STREET PARKING RESTRICTIONS DRIVEWAY RESTRICTIONS BETWEEN 7:00PM and 5:00AM

Fulton Hogan Industries Pty Ltd will be carrying out road surfacing treatment on behalf of the Main Roads WA in the above location on the specified dates, (weather permitting).

We request that all vehicles are not parked on the specified street or nature strip on the day of the road surfacing treatment from 6pm until works are complete.

Access to your driveway/street maybe restricted whilst works are underway, however once complete vehicles can access their driveway/street. In order to help facilitate the movement of traffic we will be closing off one lane at a time over a 1km stretch whilst the other lane is under escort at reduced speed.

**Work not completed**, due to unforeseen circumstances such as poor weather conditions, will be **rescheduled and further notice will be provided** prior to the works.

The Health and Safety of our workers & the general public is a prime concern. Please be alert to the involvement of personnel, heavy machinery, and other road users. Please ensure all members of your household, particularly children and pets are well clear of all work.

More information and a map of the extent of the works can be found on the reverse side of this notice.

We apologise for any inconvenience and thank you for your co-operation.

#### What if I need to leave my house?

Depending on the location of the works and where you reside access maybe limited at times (between 7pm to 5:00am) however alternative options maybe arrange. In the case of an emergency, notify one of the workers on site, otherwise we recommend finding alternative parking arrangements on the day of resurfacing.

#### Operating Noise

- Residential Noise exposure will be limited as the paver travels continuously at 5km/hr during operations.
- We anticipate works on the lane closest to residential side be complete within 3-4 hours, thereby reducing the noise further.
- Whilst not in operation equipment will be idled down or turned off completely.



### 3. Revision History

DATE	AUTHOR	BRIEF DESCRIPTION OF CHANGE
03/02/2025	F.Marinelli	Noise Management Plan