

DUST & NOISE Management Plan

PROJECT:

Lot 107 Wattleup Road, Hammond Park.
Stage 1 Earthworks

DEVELOPER DETAILS:

QUBE Hammond Link Pty Ltd

CONTRACTOR:

Urban Resources Pty Ltd

PROJECT MANAGEMENT / SUPERINTENDENT:

Cossill & Webley

Revision	Date	Revision Description	Originator	Approved
0	15/10/20	First issue	(b) (6)	(b) (6)

UNCONTROLLED DOCUMENT WHEN PRINTED

INTRODUCTION:

The objective of this document is to ensure that the project complies with the environmental performance criteria prescribed by the City of Cockburn. The subject site is located at Lot 107 Wattleup Road, Hammond Park.

As a responsible and environmentally conscious company, Urban resources always strives to minimise the impacts of its works on surrounding residents and the environment. The company is aware of the dry climatic conditions being experienced within WA, the likelihood of frequent windy days and the proliferation of migrating soils, which in combination can present enormous challenges to civil contractors striving to control dust emanating from work sites.

The best practicable means of minimising dust nuisance from the site will be adopted and will be consistent with “A guideline for managing the impacts of dust and associated contaminants from land development sites, contaminated sites remediation and other related activities”, published by the Department of Environmental and Conservation (now the Department of Water and Environmental Regulation - DWER) Perth, Western Australia, January, 2011.

The site has been assessed as a class 2 site in accordance with the above guidelines. Refer to Appendix A for Site Assessment Details, and applicable contingencies and provisions.

The developer is the party responsible for the overall project. The contractor Urban Resources Pty Ltd, acts on behalf of the developer and is responsible for works being undertaken for the developer by the contractor. The contractor is responsible for ensuring the works are undertaken in accordance with all laws, acts, statutes and regulations in place as applicable to the project at the time.

Any complaints in relation to dust, and noise nuisance should in the first instance be directed to the Project Manager. Alternatively, Cossill & Webley, as the Superintendent, can be contacted. Contact details are listed hereunder.

TIMING OF WORKS:

Works are scheduled to start immediately following relevant approvals by the City of Cockburn, estimated to be November 2020 and programmed to be completed in 26 weeks from commencement.

SITE ACCESS:

Vehicles access and egress to works site via Wattleup Road.

HOURS OF WORK:

As stipulated within the criteria prescribed by the City Cockburn, the following days and hours for work which is audible or visible at the site boundary are applicable. Work outside these hours is not permitted unless approval is given to the Superintendent by the City of Cockburn.

Monday to Friday:	7.00am to 6.00pm
Saturday:	7.00am to 6.00pm
Sundays and Public Holidays:	No working

Exemptions: Activities may include the following tasks that do not result in disturbance to surrounding residences - Survey work, Site inspections / Security patrols, Dust prevention measures, i.e. Water cart operations. Dust control takes priority over control of noise nuisance.

[illegible]

PRIMARY CONTACTS:

The Developer (Principal) is the party responsible for the overall project. The Superintendent acts on behalf of the Developer and is responsible for awarding and superintending the contract works being undertaken for the Developer by the contractor.

The contractor is responsible for ensuring the construction is undertaken in accordance with the contract in a timely, efficient manner for the agreed price. This responsibility also requires the contractor to ensure that it complies with all laws, acts, statutes and regulations in place and applicable to the project at the time.

Any complaints in relation to dust, noise or vibration nuisance should in the first instance be directed to Urban Resources' Site Supervisor. Contact details are listed hereunder.

Developer: Qube Hammond Link Pty Ltd

Superintendent: Cossill & Webley

[REDACTED]

[REDACTED]

Contractor: Urban Resources Pty. Ltd. (Urban Resources)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

PROPOSED DUST MANAGEMENT CONTROL METHODS:

1. Advisory notices shall be issued to all nearby residents (within 500m) before site works commence. The notices shall include the extent of works, name of the developer, engineer for the developer, contractor, contract period and contact numbers. Noticeboard is to be erected in locations in locations required by the Shire which identifies for the surrounding community the following information;

- Extent of works
- Expected timeframes
- Name of Supervising civil engineer and onsite supervisor including phone contact details.

2. Managing and limiting the number of stockpiles and minimizing the time stockpiles are exposed. Keeping topsoil and under-burden stockpiles separate.

3. Areas of land cleared and the period they remain cleared is to be staged so bulk earthworks works do not exceed class 2 of the Guidelines during the moratorium period between 1st October and 31st March.

4. Stockpiles will not be required for this project.

5. Ensuring batters are designed with slopes no greater than 3:1 (horizontal: vertical).

6. Soil stabilization methods:

Temporary stabilisation of haulage tracks and earthwork areas during works and weekends, will be completed using water and Dustex.

On completion of the earthworks stage the area will be hydromulched.

8. Vehicle paths restricted to well defined dedicated routes. Plant and vehicles are not to use random routes. Plant will use delineated routes as far as practicable when undertaking specific tasks in a given area.

9. Water Cart with minimum capacity of 10,000 litres allocated to project with a 20–25 min fill time, maintaining site in a damp condition.

10. Site entries and surrounding streets will be swept on a regular basis with attention to days with material import occurring and as requested by a City representative.

11. Regular monitoring of Bureau of Meteorology weather forecasts to take into account predicted conditions that may present an increased risk to site operations and potential for dust generation off the site. Appropriate contingency measures to be put in place including the cessation of works that may contribute to increased dust emissions off site during adverse weather/wind conditions.

12. No burning off is to occur. All vegetation is to be mulched and re-used on site where possible.

13. Any complaints generated due to dust will be directed to the site supervisor and stabilisation will occur within 18 hours of receiving the initial complaint.

14. Trucks must not be excessively loaded (Loadrite system is used) and loads must be covered.

PROPOSED NOISE MANAGEMENT CONTROL METHODS:

In all cases the best practicable means of minimizing noise on the site will be adopted and shall comply with “Environmental Protection (Noise) Regulations”, published by the Department of Environmental Protection, 1997.

By their very nature, construction plant, equipment and activities undertaken on civil construction sites generate noise.

1. Wherever possible, locate noisy machines away from main areas of activity. Otherwise, screen plant from work areas by using noise screens, berms or material stacked to form barriers.

2. Stationary noise sources should be sited as far as possible from noise sensitive areas and where necessary acoustic barriers should be used to shield them; such barriers may be proprietary types or may consist of site materials such as bricks or earth mounds.

3. Fit silencers to combustion engines. Ensure they are in good condition and work effectively

4. Ensure hand-held/operated tools are muffled. Selection of quieter tools/machines.

5. Maintain machines regularly to keep them quieter. All machines must conform to noise emission standards.

6. Keep machinery covers and panels closed and well fitted. Bolts/fasteners done up tightly to avoid rattles.

7. Check for noise problems.

8. Switch off engines or reduce to idle when not in use.

9. For any particular job, the quietest plant and/or machinery should be used.

10. All equipment should be maintained in good working order and fitted with the appropriate

silencers, mufflers or acoustic covers where applicable.

11. The movement of vehicles to and from the site will be controlled and will not take place outside the permitted hours unless with prior approval or is an exempted activity; employees will be supervised to ensure compliance with the noise control measures adopted.
12. Directing trucks to less noise-sensitive routes.
13. Enclosure of the noise source.

PROPOSED VIBRATION MANAGEMENT CONTROL METHODS :

In all cases the best practicable means of minimising vibration on the site will be adopted.

1. Dilapidation inspections of nearby residences considered to be within the zone of influence, as required under contract specification will be conducted on existing structures/buildings by a third-party qualified assessor prior to commencement of site works.
2. Standard vibrating equipment not to be used within 50 meters of existing buildings. Only static or low amplitude compaction equipment is to be used within 50 meters of existing buildings.
3. Vibration equipment should be fit for purpose and used in a manner to ensure compaction levels specified are attained, without unnecessary damage or noise.
4. If harmonic, resonant or sympathetic vibrations are observed alternative compaction equipment is to be employed.
5. If vibration levels exceed an acceptable level, modified work practices will be employed.

ADVISORY NOTICE TO RESIDENTS

Bulk earthworks for the Stage 1 development of Lot 107 adjacent or opposite your property is about to commence.

On behalf of Qube Hammond Link, the development is being carried out by Urban Resources Pty Ltd, and the works are scheduled to commence on site in November 2020 and will be completed within 26 weeks.

It has been agreed by all parties concerned that this land development must adopt adequate measures to prevent the generation of unacceptable levels of dust and noise.

You are advised that (the nominated contractor) has agreed to implement the provisions as outlined in the Department of Water and Environmental Regulations publication “*A guideline for the prevention of dust and associated contaminants from land development sites, contaminated sites remediation and other related activities*” March 2011 (A copy of this guideline may be obtained from <http://www.der.wa.gov.au/>).

[REDACTED]

[REDACTED]

[REDACTED]

Site Register of Complaints Received

(Nominated Contractor's) Site Supervisor:

The nominated Contractor's Site Supervisor is to ensure that any complaints from local residents are acted upon immediately and corrective actions are discussed and reviewed with the complainants in a courteous cooperative manner. The review is to be conducted within 24 hours of the complaint.

All complaints must be reported immediately to Cossill & Webley, Project Superintendent for consideration and rectification. No liability will be admitted. The incident will be fully investigated and assessed by insurance providers before a decision is made.

APPENDIX A

Classification 2 (score between 200 and 399, considered low risk)

- The developer shall supply a contingency plan to the local government, which shall detail the activities to be undertaken should dust impacts occur.

Contingency arrangements:

- Include an allowance for water-cart operation, wind fencing and surface stabilisation during the construction period for the purposes of dust suppression.
- All areas of disturbed land should be stabilised to ensure that the disturbed area exposed at any time is kept to a practical minimum. Monitoring requirements:
- Complaints management system in place (complaints recorded and acted on promptly).
- Notice to be erected at the site, providing contact details of the person to be contacted and works.

dust

Site Classification Assessment Chart –

Part A. Nature of Site

Item	Score Options					Allocated Score
1. Nuisance potential of soil when disturbed	very low 1	low 2	medium 4	High 6		2
2. Topography and protection provided by undisturbed vegetation	sheltered and screened 1	medium screening 6	little screening 12	Exposed and wind prone 18		6
3. Area of site disturbed by the works	under 1ha 1	between 1 and 5ha 3	between 5 and 10ha 6	Over 10ha 9		3
4. Type of work being done	roads or shallow trenches (clearing of vegetation) 1	roads, drains and medium depth sewers 3	roads, drains, sewers and partial earthworks 6	Bulk earthworks, deep trenches 9		9
Total score for Part A						20

Part B. Proximity of site to other land uses

Item	Score Options					Allocated Score
1. Distance of other land uses from site	over 1km 1	between 1km and 500m 6	between 100m and 500m 12	Under 100m 18		12
2. Effect of prevailing winds (at time of construction) on other land uses	not affected 1	isolated Land uses affected by one wind direction 3	dense land uses affected by one wind direction 6	Dense/sensitive land uses highly affected by prevailing winds 9		6
0 - 199	Class 1	Total score for Part B				18
200 – 399	Class 2					
400 – 799	Class 3					
800 +	Class 4					
SITE CLASSIFICATION SCORE (A x B) =						360
SITE CLASSIFICATION 2						

dust

**Dust and wind-borne material
Site Classification Assessment Chart**

Consulting Engineer	Cossill & Webley
Site Detail	Lot 107 Wattleup Road, Hammond Park WA 6164
Local Authority	City of Cockburn
Location of works	Lot 107 Wattleup Road Hammond Park WA 6164
Project Name/Stage	Lot 107 Stage 1 Earthworks
Description of Works	Bulk earthworks
Contract Dates (starting/completion dates, period in weeks)	TBC - Start in November for 26 weeks
Score from Assessment Chart	360
Special Considerations	See dust management plan
Site Classification	Class 2

Comments at Completion of Construction

(to include details of dust-related problems and provisions and contingency arrangements which were actually carried out)

See dust management plan
