

Direct Indial: 9411 3446
Our Ref: 142/002, 4412312, 4411613
Your Ref:

8 April 2016

Hanson
Level 1, 35 Great Eastern Highway
RIVERVALE WA 6103

ATT: Vern Newton

**DUST MANAGEMENT PLAN - BULK EARTHWORKS & SAND EXCAVATION
220 -234 WATTLEUP ROAD WATTLEUP**

Thank you for the submission of the Dust Management Plan (DMP) as required for the above works.

The City's Health Services has assessed your plans against the criteria set down in the Department of Environment document "Land development sites and impacts on air quality – A guideline for the prevention of dust and smoke pollution from land development sites in Western Australia", Dec 2004.

The scope of the proposed earthworks and excavation operations has been considered and you are hereby advised that the site has been classified as a **Class 3** or "**medium to high risk**" works site, with total scores of **524** and **406 respectively**.

This classification demonstrates that there is a significant risk of dust or sand nuisance from this site and, as a result, approval for your DMP has been issued in the form of a Notice with scheduled conditions attached, including your endorsed DMP. A copy has been forwarded to the consulting engineer, Cossill & Webley.

The City is pleased to work co-operatively with your company, according to both the approved DMP and the above conditions as agreed, on effectively reducing the potential for dust nuisance and sand drift from this site.

As the occupier, you should be aware, however, that the following general requirements apply to development works on this site:

- 1. Should bulk earthworks or sand excavation be undertaken outside the approved works area, the City will consider them to be in breach of the conditions of the Approval Notice.***
- 2. All site works shall cease should a dust or sand drift nuisance caused by any works not be adequately addressed according to the above conditions of approval.***
- 3. Should any activities other than those approved under DA15/0515 be carried on these properties, this Dust Management Plan Approval Notice will not apply.***

Noise Levels and Site Hours

You are reminded also that development works that create noise levels in excess of the assigned levels as stated in the *Environmental Protection (Noise) Regulations 1997* **are only permitted from 7am to 7pm Monday to Saturday inclusive**. No noisy works may be conducted outside the hours of 7am to 7pm, Monday to Saturday, unless an out-of-hours noise management plan addressing particular criteria has been submitted to and approved by the City's Health Services.

Site Meeting

You will note that the terms of the Notice require that a site meeting is to be held so as to allow the City's Health Services to confirm that all required measures for dust control are in place. **Please contact the Health Services on 9411 3589 as soon as possible to confirm a suitable time for a meeting.**

Thank you for your assistance with completing the approval process. Please do not hesitate to contact the City's Health Services directly on **9411 3589** if you have any queries or require clarification of any issues contained within this approval.



ROB BIDDISCOMBE
ENVIRONMENTAL HEALTH OFFICER

cc: Cossill & Webley
PO Box 680
SUBIACO WA 6904

NOTICE OF CONDITIONS TO APPLY TO AN ACTIVITY TO BE CARRIED OUT ON LAND

Clause 5.11 of the City of Cockburn (Local Government Act) Amendment Local Law 2012

TO: Hanson
Level 1, 35 Great Eastern Highway
RIVERVALE WA 6103

WHEREAS:

- A You are the occupier of land situated at 220 & 234 Wattleup Road WATTLEUP 6166 ("the Land").
- B "The Land" is within the district of the City of Cockburn which has its offices at Cnr Rockingham Road and Coleville Crescent, Spearwood, WA.
- C The Council of the City of Cockburn is of the opinion sand or dust may be released or escape from "the Land" as a result of the activity specified in the First Schedule which is to be carried out by you, the occupier, on "the Land" ("the Activity").

NOW TAKE NOTICE

- 1. You must carry out "the Activity" in accordance with the conditions specified in the Second Schedule hereto ("the Conditions").
- 2. If you fail to carry out "the Activity" in accordance with the Conditions, you will commit an offence and be liable upon conviction to a penalty not exceeding \$5,000 and, if the offence is of a continuing nature, an additional penalty of \$500 for each day or part of a day during which the offence has continued or, in the case of a body corporate, a penalty not exceeding \$25,000 and, if the offence is of a continuing nature, an additional penalty of \$2,500 for each day or part of a day during which the offence has continued.

Date: 8 April 2016


NICK JONES
MANAGER HEALTH SERVICES

FIRST SCHEDULE

"The Activity" is described as:

"The carrying out of Class 3 bulk earthworks, comprising clearing vegetation and topsoil stripping, and on-going sand excavation operations ONLY, by the occupier as per the Development Approval DA15/0515 issued 4 August 2015. Processing and screening operations are not included.

SECOND SCHEDULE

1. "The Activity" must be carried out in accordance with the dust management controls included in the Dust Management Plan (DMP) for "the Activity" as submitted to the City's Health Services on 21 December 2015 and also in compliance with the following additional requirements.
2. Prior to the commencement of any works on-site, a site meeting shall be held between the occupier and the City's Environmental Health Officer to ensure that "the Activity" will be carried out in accordance with the conditions of this Notice.
3. Prior to the commencement of any works on-site, the occupier shall forward a letter to all neighbouring residents notifying them of the intended commencement date, the nature of the prospective works, the management of potential impacts in terms of dust, noise and vibration, and the estimated programme duration.
4. **The occupier shall satisfy the Manager Health Services that adequate wind fencing as required has been installed at the works area boundary of "the Land", and that an adequate water supply and site stabilisation capability is available for the site.**

A dedicated water carting vehicle of suitable capacity and in good working condition shall be located at this works site at all times.

5. **All areas of "the Land" that are loose or exposed are to be stabilised by the use of appropriate dust suppressant materials such as water, hydromulch, seeded hydromulch, chemical, or physical soil stabilisation (e.g. solid mulch) to ensure sand and dust does not escape or be released from "the Land" at any time.**

After each area of clearing, bulk earthworks or sand excavation is completed, if that area is to remain inactive for any period such as to represent a significant potential risk of dust emissions, it should be stabilised by the use of hydromulch or solid mulch.

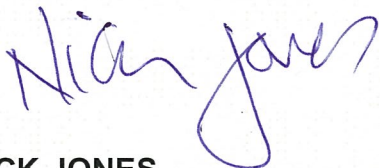
6. **Should dust visibly cross the site boundary at any time, dust suppression measures shall be increased immediately and, if works are taking place, they shall be modified accordingly. Should dust continue to be generated, all works shall cease immediately and the site shall be sufficiently**

stabilised by application of water until such a time as the wind conditions are appropriate to resume works.

7. The occupier shall employ procedures to minimise escape of dust and sand from "the Land" onto surrounding roads and shall ensure that any accumulated material is removed on a regular basis, or as often as necessary to prevent such material becoming a source of dust nuisance.

The occupier shall install a gravel grid at the heavy vehicle exit to the site plus a sealed section from the grid to the road, so as to reduce the escape of accumulated material onto Wattleup Road.

8. Clearing, trenching, excavation work or any other activity that generates, or is likely to generate, dust or sand drift from "the Land", shall not be carried out where the wind is in excess of 25 knots. Where the wind is forecast by the WA Bureau of Meteorology to be in excess of 25 knots on any day, including non-working days, the site supervisor shall stabilize the site in anticipation of those conditions.
9. The Contractor shall ensure that the name and contact details (including the Site Manager's mobile number) of the person responsible for the works on this site, and to whom any dust complaints are to be addressed, are displayed at the site at all times.
10. After all works on "the Land" are completed and before the occupier has vacated the site, "the Land" shall be stabilised to the satisfaction of the Manager Health Services.



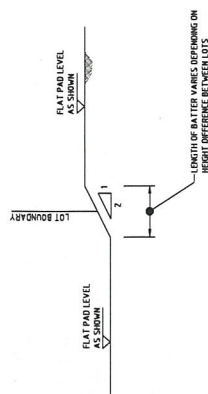
NICK JONES
MANAGER HEALTH SERVICES

8 April 2016

The applicant or any person aggrieved by this decision of the City's Health Service, is advised that they may apply to the State Administrative Tribunal, within 28 days of the date of issue of this approval document, for a review of the order or decision. A copy of the appeal shall also be forwarded to the City of Cockburn within the same time period.

3. ALL LEVELS IN FEET TO AND
4. BATTER TO EXISTING SURFACE AT 12 IN/10 FT UNLESS NOTED OTHERWISE.
5. ALL CLEANED MATERIAL TO BE PULVERIZED AND STOCKPILED ON-SITE AS DIRECTED BY THE SUPERINTENDENT.
6. ALL UNSUITABLE MATERIAL TO BE REMOVED BY THE CONTRACTOR TO APPROVED TIPPING SITE PRIOR TO COMPLETION OF CONSTRUCTION. ALL FEES TO BE PAID BY CONTRACTOR.
7. EXTENT OF EARTHWORKS TO BE LIMITED TO THE EARTHWORKS STAGE BOUNDARY UNLESS AGREED WITH THE SUPERINTENDENT.
8. CONTRACTOR TO LOCATE ALL EXISTING SERVICES PRIOR TO COMPLETION OF WORKS ON SITE.
9. CONTRACTOR TO GRABE EXISTING BATTER DESIGN CONTOURS AND MATCH INTO EXISTING SURFACE AT LIMIT OF EARTHWORKS BOUNDARY WHERE APPROPRIATE.
10. DESIGN LEVELS SHOWN SHALL BE ON THE FINISHED SURFACE INCLUDING TOPSOIL, ASPHALT AND WALKWAY SPECIFICATIONS.
11. THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND HANDWORK TO THE EXISTING SURFACE. WHERE NECESSARY, THE CONTRACTOR SHALL NOTIFY THE LOCAL RESIDENTS OF ANY NECESSARY ROAD CLOSURE AND PROVIDE A VARIATION TO THE LIMIT OF EARTHWORKS STAGE BOUNDARY.

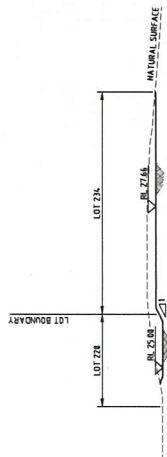
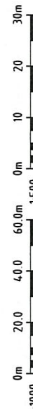
LIMIT OF CLEARING AND EARTHWORKS BOUNDARY
 EXISTING CADASTRAL
 FUTURE CADASTRAL
 EXISTING SURFACE CONTOUR
 DESIGN CONTOUR
 PROPOSED LOT LEVEL
 FUTURE LOT LEVEL



SECTION A

TYPICAL BATTER BETWEEN LOTS

Location of site access for both lots



- 1.8m winding
screen to be installed
on E. boundary
fencing as marked.

 Cossill & Webley CONSULTING ENGINEERS		CLIENT ROCLA		PROJECT 220 & 234 WATTLEUP ROAD - WATTLEUP	
APPROVED AVRIL THOMSON		DESIGNED CF		TITLE CLEARING AND EARTHWORKS PLAN	
SCALE 1:500		DRAWING NO. 6180-01-100		REVISION C	
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This plan is not to be used for construction unless issued as a revision to an approved drawing.					
Mailing Address 171 Hines Road Wattleup, WA 6004					
Street Address 220 & 234 Wattleup Road Wattleup, WA 6004					
Tel: (08) 9422 5000 F: (08) 9422 5001 E: admin@cossill.com.au					