

1.0 PURPOSE

To provide guidance in ensuring air emissions and dust generated during site establishment, projects activities, demobilisation and site clean up phases are within the specified limits, nuisance is minimised and there is no negative impact on the surrounding environment or community.

2.0 SCOPE

This procedure is applicable to all work carried out by Lipman and its subcontractors.

3.0 DEFINITIONS

Ambient Air Quality – The ‘normal’ quality of the air in the surrounding area (before works commence).

Baseline Conditions – Are conditions that summarise the existing environment before any works are undertaken.

DA – Development Application or Consent.

EIS – Environmental Impact Study

EMP – Environmental Management Plan

4.0 PROCEDURE

4.1 Planning

4.1.1 Prior to commencement of demolition or construction work, the Project Manager will conduct a review of the site and related activities to identify potential environmental air quality hazards.

4.1.2 Identified hazards and controls will be documented, reviewed and maintained on the Project Risk Assessment. Refer to [Procedure 3 – “Project Planning”](#).

4.1.3 Control measures will be appropriate to the risk and take into account:

- Contract requirements,
- DA Conditions (EIS or EMP), and
- Other legal and statutory requirements.

4.1.4 The Project Manager will implement the controls and ensure compliance to this procedure through the Project Plan.

4.1.5 The Project Manager will ensure that dust and air pollution suppression equipment is always available and used whenever the conditions require their use.

4.1.6 The Project Manager will ensure personnel under their control receive induction and, if required, training in air quality control tasks as applicable to the project works.

4.1.7 The Site Manager will monitor and verify compliance to the requirements of this procedure and for organising inspections and tests as documented within the Project Plan.

4.2 Operational Controls

4.2.1 To assist with identifying the most appropriate controls, the following table of activities/hazards and possible controls are provided as a guide.

| Activities/Hazards | Possible Controls |
|--|--|
| Stockpiling | <ul style="list-style-type: none"> Wetting or spraying with water or approved polymer stabilisers stockpiled materials, Covering with tarpaulin. Placing stockpiles in an area protected from high winds, Minimising stockpile amounts. |
| Transporting of Materials off site | <ul style="list-style-type: none"> Covering loads. Cleaning public roads of construction related dirt. Washing wheels of vehicles leaving the site. |
| Clearing vegetation | <ul style="list-style-type: none"> Minimising clearing to planned areas as approved by the relevant authority. Re-vegetation or covering with mulch (or recycled road base) of exposed areas. |
| Vehicle, plant and machinery Movements | <ul style="list-style-type: none"> Minimise unsealed areas. Wetting of cleared areas, access roads, (Frequency of watering is to be adjusted to ensure that acceptable dust levels are maintained and site run-off does not occur). Restricting or avoiding unnecessary movement of plant in periods of strong winds or dry conditions. Erection of dust barriers. Controlling traffic movements (e.g. maximum speed limits). |
| Fumes from Refuelling | <ul style="list-style-type: none"> Minimising refuelling on site. |
| Fumes from painting and the application of Chemicals products (e.g. Sealers, adhesives, waterproofing etc.). | <ul style="list-style-type: none"> Changing working hours or practices to avoid affecting neighbours etc. Handling and use of paint, thinners and other chemicals in a manner to avoid or minimise release into the atmosphere due to evaporation. Use low odour alternatives (e.g. water based products). Extract fumes away from workers and neighbours/community. |
| Unpleasant Odours and Smells (rotting waste, open sewer mains) | <ul style="list-style-type: none"> Covering open access sewer access chambers and pipe work when not in use. Regular removal waste from site (ensuring waste is not overflowing out of containers). Implementing a scheduled cleaning program for amenities. |
| Smoke & Fires | <ul style="list-style-type: none"> Collect and dispose of potentially flammable waste to avoid accidental fires. No burning off of vegetation or waste on site. Smoking to be restricted to designated areas only. |
| Vehicle, plant and equipment emissions | <ul style="list-style-type: none"> Maintaining plant and equipment in good working order. Ensure machinery or plant is not left running idle when not in use for extended periods. |

4.3 Monitoring & Measuring

Incidents and/or complaints will be reported and actions as outlined in the Project Plan and [Procedure 18 – “Incident Management”](#).

Inspections

- 4.3.1 Regular site inspections will be conducted in accordance with [Procedure 4 – “Performance Reporting”](#), to ensure the control measures are in place and are effective.
- 4.3.2 Results of inspections will be documented on Site Inspection Sheet and actions taken to address any issues found in a timely manner.

Air Monitoring and Testing

- 4.3.3 When specified, an analysis of air quality will be undertaken at determined locations on the site boundary, prior to commencing activities to establish Baseline Conditions (i.e. Ambient Air Quality). Photos may also be taken of existing areas prone to air pollution as a record of Baseline Conditions.
- 4.3.4 Air quality testing will be carried out at the same locations during construction activities to establish compliance with the specified requirement. Further testing will be carried out as required after corrective action in the event of non-compliance, if specified or if warranted as a response to formal complaints.
- 4.3.5 Testing of air quality will be by samples prepared as applicable in accordance with the requirements of the specified standard and collected and tested by a NATA approved laboratory.
- 4.3.6 Methods, applicable standards, responsibilities and frequency of testing and reporting will be set out in the Project Plan.

5.0 REFERENCES

[Procedure 3 – “Project Planning”](#)
[Procedure 4 – “Performance Reporting”](#)
[Procedure 18 – “Incident Management”](#)