

Western Sydney Airport

Air Quality
Construction Environmental Management Plan

July 2022





Document Control

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| 1 | 14/12/2018 | Revision update to include the Experience Centre and Site Accommodation phase and Material Importation | WSA | S Reynolds |
| 2 | 18/12/2019 | Approved for Bulk Earthworks | WSA | S Reynolds |
| 3 | 28/10/2021 | Approved for Terminal Works | WSA | L Laughton |
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Plan Authorisation

| Position | Name | Signature | Date | |
|---------------------|------------|-----------|-----------|--|
| Environment Manager | L Laughton | | 27/7/2022 | |



Terms and Definitions

| Item | Definition | |
|---|---|--|
| ABC | Airport Building Controller | |
| ABC Regulations | Airports (Building Control) Regulations 1996 (Cth) | |
| ACP | Airside Civil and Pavements | |
| AEO | Airport Environment Officer (person appointed under the AEPR 2.01) | |
| AEPR | Airports (Environment Protection) Regulations 1997 (Cth) | |
| AHD | Australian Height Datum | |
| Airport | Western Sydney International (Nancy-Bird Walton) Airport (WSI). | |
| | NB: The Airport is referred to in the Airports Act as Sydney West Airport and is also commonly known as Western Sydney Airport | |
| Airport Lease | A lease for the Airport granted under section 13 of the Airports Act | |
| Airport Plan | Means the Airport Plan for the Airport Site as determined by the Infrastructure Minister under section 96B of the Airports Act. The latest Airport Plan was determined in September 2021 and authorises Rail Development on the Airport Site. | |
| Airport Site | The site for Sydney West Airport as defined by the Airports Act | |
| Airports Act (or 'the Act') | Airports Act 1996 (Cth) | |
| ALC | Airport Lessee Company (the Company granted a lease over the Airport Site) | |
| Ancillary Development | An 'ancillary development' as set out in section 96L of the Airports Act | |
| Approved Plan | A Plan approved in accordance with the Airport Plan Conditions of Approval | |
| Approver For Condition 30 of the Airport Plan (Biodiversity Offset Delivery Plan) and any me to the Biodiversity Offset Delivery Plan – the Environment Minister or an SES emenor Environment Department For other matters – the Infrastructure Minister or an SES employee in the Department | | |
| Apron | The part of an airport used for: | |
| • | a. the purposes of enabling passengers to embark/disembark an aircraft; | |
| | b. loading cargo onto, or unloading cargo from, aircraft; and/or | |
| | C. refuelling, parking or carrying out maintenance on aircraft | |
| ARFFS | Aviation Rescue and Firefighting Service | |
| AS/NZS | Australian Standard / New Zealand Standard | |
| Associated Site | An 'associated site for Sydney West Airport' as set out in section 96L of the Airports Act | |
| ATC | Air Traffic Control | |
| ATCT | Air Traffic Control Tower | |
| AWS | Automatic Weather Station | |
| BEC | Bulk Earthworks Contract | |
| Bulk Earthworks | The large-scale earthworks required to flatten the Stage 1 Airport Development Area in preparation for further construction works as described in section 6 of the Construction Plan | |
| CASA | Civil Aviation Safety Authority | |
| CASR | Civil Aviation Safety Regulations 1998 (Cth) | |
| CEMF | Contractor Environmental Management Framework | |



| Item | Definition | |
|--|---|--|
| CEMP | Construction Environmental Management Plan (required under Section 3.11.2 of the Airport Plan) | |
| CIP | Cumulative Impacts Plan | |
| CIZ | Construction Impact Zone. The part or parts of the Airport Site or an Associated Site on which Main Construction Works are planned to occur, as detailed in the Construction Plan | |
| СО | Carbon Monoxide | |
| Condition | A condition set out in Part 3 of the Airport Plan in accordance with section 96C of the Airports Act | |
| Construction Period | The period from the date of commencement of Main Construction Works in any part of the Airport Site until the date of commencement of Airport Operations | |
| CSEP | Community and Stakeholder Engagement Plan (required under Condition 15 in Section 3.11.2 of the Airport Plan) | |
| CSR | Combined Services Route | |
| D&C | Design and Construct | |
| DAWE | Department of Agriculture, Water and the Environment (Cth) | |
| DFSI | Department of Finance, Services and Innovation (Cth) | |
| DIPNR | NSW Department of Infrastructure, Planning and Natural Resources (now DPIE) | |
| DITRDC | Department of Infrastructure, Transport Regional Development and Communications (Infrastructure Department) (Cth) | |
| DPC NSW Department of Premier and Cabinet | | |
| DPE | NSW Department of Planning and Environment (formerly DPIE) | |
| DPI Department of Primary Industries (including Agriculture NSW, Fisheries NSW and Office of Water) (now DPIE) | | |
| DPIE | NSW Department of Planning, Industry and Environment (now DPE) | |
| ECM | Environmental Control Map | |
| Ecologically Sustainable Development | Using, conserving and enhancing the community's resources so that the ecological processes on which life depends are maintained and the total quality of life now and in the future, can be increased (Council of Australian Governments, 1992) | |
| ECZ | Environmental Conservation Zone | |
| EES | The Environment, Energy and Science (EES) group within the Department of Planning, Industry and Environment, formerly known as Office of Environment and Heritage | |
| EEW | Early Earthworks | |
| EIS | Environmental Impact Statement prepared for WSI under the EPBC Act | |
| EMS | Environmental Management System | |
| Environment Minister | The Minister responsible for the EPBC Act | |
| EP&A Act | Environmental Planning and Assessment Act 1979 (NSW) | |
| EPA | NSW Environment Protection Authority | |
| EPBC Act | Environment Protection and Biodiversity Conservation Act 1999 (Cth) | |
| ESA | Environmentally Sensitive Area | |
| ESCP | Erosion and Sediment Control Plan | |
| ETC | Enterprise Technology Contract | |
| EWMS | Environmental Work Method Statement | |



| Item | Definition |
|---|--|
| FASL | Final Airport Site Layout |
| GSE | Ground Support Equipment |
| На | Hectares |
| Infrastructure Department | The Department responsible for administering the Airports Act, currently the Australian Government Department of Infrastructure, Transport Regional Development and Communications (DITRDC) |
| Infrastructure Minister | The Minister responsible for the Airports Act from time to time |
| ISO 14001 | AS/NZS ISO 14001:2016 Environmental Management Systems |
| Km | Kilometres |
| LCB | Landside Civil and Buildings |
| LDP | Land Disturbance Permit |
| LEP | Local Environmental Plan |
| M12 on Airport Works | The physical works and infrastructure, including temporary works and infrastructure which the M12 Authority, its contractors and nominees plan, investigate, design, construct, install, commission, test, accept, complete, maintain, operate or repair within the Airport Site |
| Main Construction Works (MWC) | Substantial physical works on a particular part of the Airport Site (including large scale vegetation clearance, bulk earthworks and the carrying out of other physical works, and the erection of buildings and structures) described in Part 3 of the Airport Plan, other than TransGrid Relocation Works or Preparatory Activities |
| МІ | Material Importation |
| MTIP Major Transport and Infrastructure Projects (Cth) - a Division of DITRDC | |
| NEPM-AQM National Environment Protection (Ambient Air Quality) Measure | |
| NERDDC National Energy Research Development and Demonstration Council | |
| Non-conformance | Failure to conform to the requirements of the Airport Plan including Approved Plans |
| OU Odour Unit | |
| PM | Particulate Matter |
| POEO Act | Protection of the Environment Operations Act 1997 (NSW) |
| Preparatory Activities | a. day to day site and property management activities; b. site investigations, surveys (including dilapidation surveys), monitoring, and related works (e.g. geotechnical or other investigative drilling, excavation, or salvage); |
| | c. establishing construction work sites, site offices, plant and equipment, and related site mobilisation activities (including access points, access tracks and other minor access works, and safety and security measures such as fencing but excluding bulk earthworks); d. enabling preparatory activities such as: |
| | i. demolition or relocation of existing structures (including buildings, services, utilities and roads); |
| | ii. the disinterment of human remains located in grave sites identified in the European and other heritage technical report in volume 4 of the EIS; and |
| | iii. application of environmental impact mitigation measures; and e. any other activities which an Approver determines are Preparatory Activities for this definition |
| RAP | Remediation Action Plan |
| SEMF | Site Environmental Management Framework (Construction Plan, Appendix 2) |
| | 1 |



| Item | Definition |
|--|--|
| SES | Senior Executive Service |
| SES Officer | An SES employee under the <i>Public Service Act 1999</i> (Cth) |
| Stage 1 Airport Development | The Airport development described in Part 3 of the Airport Plan |
| Sustainability Plan | Plan required by Condition 29, Section 3.11.5 of the Airport Plan |
| Sydney West Airport The Airport. NB: this is the name used in the Act. The Airport is known as Weste International (Nancy-Bird Walton) Airport, or, more commonly, Western Sydney I | |
| TfNSW Transport for New South Wales | |
| the Project Western Sydney Airport – Stage 1 Airport Development | |
| TSP Total Suspended Particulate Matter | |
| TSS | Terminal and Specialty Services |
| WSA | WSA Co Limited (ACN 618 989 272), the entity responsible for constructing and operating the Airport in accordance with the Airport Plan. |
| | For the purposes of the Airports Act, WSA is the "Airport Lessee Company" for WSI. |
| WSI | Western Sydney International (Nancy Bird Walton) Airport. The Airport. NB: Under the Airports Act, the Airport is referred to as Sydney West Airport |



Contents

| Term | s and De | finitions | iii |
|------|----------|---|-----|
| 1. | Introd | luction | 9 |
| | 1.1. | Background/Context | 9 |
| | 1.2. | Document Purpose | 10 |
| | 1.3. | WSA EMS Overview | 11 |
| | 1.4. | Consultation Requirements of this Plan | 12 |
| | 1.5. | Certification and Approval | 13 |
| | 1.6. | Distribution | 13 |
| 2. | Scope | e of Works | 13 |
| 3. | Objec | tives and Targets | 15 |
| | 3.1. | Objectives | |
| | 3.2. | Targets and Performance Criteria | 15 |
| 4. | Enviro | onmental Legal and other Requirements | 16 |
| | 4.1. | Relevant Legislation and Guidelines | 16 |
| | 4.2. | Approvals and other Specifications | 19 |
| | 4.3. | Airport Plan Conditions | 19 |
| | 4.4. | EIS Requirements | 21 |
| 5. | Existi | ng Environment | |
| | 5.1. | Sensitive Receptors | 26 |
| | 5.2. | Air Quality Records | 26 |
| | 5.3. | Wind Speed and Direction | 27 |
| | 5.4. | Temperature, Rainfall and Humidity | 31 |
| | 5.5. | Odour | 31 |
| 6. | Air Qı | uality Aspects and Impacts | 32 |
| | 6.1. | Construction Activities | 32 |
| | 6.2. | Impacts | 32 |
| | 6.3. | Cross-Packages Impacts | |
| | 6.4. | Environmental Risk Assessment | 33 |
| 7. | Enviro | onmental Control Measures | 69 |
| 8. | Air Qı | uality Management | 81 |
| | 8.1. | Air Quality Criteria | |
| | 8.2. | Earthworks | 81 |
| | 8.3. | TSS Works | |
| | 8.4. | LCB Works | 82 |
| | 8.5. | ACP Works | |
| | 8.6. | M12 on Airport Works | |
| | 8.7. | Construction Greenhouse Gas Emissions | |
| 9. | | and Responsibilities | |
| 10. | | onmental Inspection, Monitoring, Auditing and Reporting | |
| | 10.1. | Environmental Inspections | |
| | 10.2. | Air Quality Monitoring | 85 |



| | 10.3. | Environmental Auditing | 88 |
|----------|-----------|---|--|
| | 10.4. | Environmental Reporting | 88 |
| | 10.5. | Review of Approved Plans | 90 |
| | 10.6. | Environmental Incidents and Complaints Management | 90 |
| 11. | Comp | etence, Training and Awareness | |
| 12. | - | ences | |
| | | | |
| | | | |
| Table | es | | |
| Table 1 | 1· Δir ∩u | ality CEMP Relationship with other Plans | 10 |
| | | ality CEMP Consultation | |
| | | ality Objectives, Targets and Performance Criteria | |
| | | pal Environmental Legislation and Relevance | |
| | | ant Guidelines and Standards | |
| Table 6 | 3 Approv | als Relevant to Air Quality Management | 19 |
| | | ions Relevant to Air Quality Management | |
| | | ary of Air Quality Management Requirements | |
| Table 9 | 9: Air Qu | ality Monitoring Results | 26 |
| | | parison on Measured Air Quality Data versus NEPM Goals and Pr | |
| Data | 11. Δ. | age Monthly Rainfall at the Airport Site* | 27 |
| | | uality Risk Assessment | |
| | | onmental Control Measures | |
| | | uality Monitoring Criteria Applicable to the Airport | |
| | | mary of greenhouse gas emissions for Bulk Earthworks | |
| | | mary of greenhouse gas emissions for TSS Works | |
| | | mary of greenhouse gas emissions for LCB Works | |
| | | mary of greenhouse gas emissions for ACP Works | |
| Table 1 | 19: Sumr | mary of greenhouse gas emissions for ACP Works | 83 |
| | | uality Monitoring Requirements | |
| Table 2 | 21: Air Q | uality Reporting and Record Keeping | 88 |
| Eigu | roc | | |
| Figui | 162 | | |
| Figure | 1: WSA | EMS and CEMP context | 11 |
| Figure | 2: Annua | al and Seasonal Wind Rose, Badgerys Creek 2021 | 30 |
| Figure | 3: Air Qu | uality Monitoring Station Location Plan | 87 |
| | | | |
| Appe | endice | S | |
| Appen | | Dust management, vehicle and equipment emissions | –––––––––––––––––––––––––––––––––––––– |
| , 'PPO'' | ~·// / / | Bast management, formore and equipment emissions | |

Sensitive Receptors

Appendix B



1. Introduction

1.1. Background/Context

This WSA Air Quality Construction Environmental Management Plan (Air Quality CEMP) (this Plan) has been prepared to satisfy the requirements of the Air Quality CEMP set out in the Conditions for the Stage 1 Development of the Western Sydney International (Nancy-Bird Walton) Airport (**WSI**) detailed in Section 3.11.2 of the Airport Plan. Specifically, Section 3.11.2 Condition 10(1) of the Airport Plan requires that an Air Quality CEMP be approved under the Airport Plan prior to the commencement of Main Construction Works.

This Air Quality CEMP provides the management approach and requirements (including environmental mitigation measures, controls, monitoring and reporting) for managing air quality during construction of the Stage 1 Airport Development. This Plan forms one of nine CEMPs which are collectively covered by the WSA Site Environmental Management Framework (SEMF). To ensure the environmental resources, responsibilities and management measures are implemented during the construction activities, the SEMF is contained within the Construction Plan (included as Appendix 2). The implementation of the Construction Plan, including the SEMF, sits adjacent to other Project level management plans including the Community and Stakeholder Engagement Plan (CSEP) and the Sustainability Plan as illustrated in Figure 1.

The Construction Plan, including the SEMF, and nine CEMPs provide the environmental management approach and requirements and therefore should not be read in isolation to each other due to interconnecting management outcomes and objectives. For the Air Quality CEMP, it is considered that the following management plan linkages can be made:

- Biodiversity CEMP Management of dust and air emissions to prevent impact on adjacent vegetation and fauna habitat, including aquatic and terrestrial.
- Soil and Water CEMP Management of dust emissions often requires the application and use of water
 for suppression to control release of particulate matter. The use of water on site will need to be
 undertaken in a manner to ensure the control of runoff is managed and receiving waters are not
 impacted by the works.
- Waste and Resources CEMP Water usage is considered a key resource for the suppression and
 management of dust generation during the construction phase. Where possible, water required for
 dust generation will be sourced from the on-site storage dams. If the water within the storage dams
 are insufficient, alternative water sources would be sought as per the Waste and Resources CEMP.
- Visual and Landscape CEMP Impact on the air quality has the potential to affect the visual amenity and landscape of the receiving environment, particularly with regards to dust generation.
- CSEP it is anticipated that the surrounding community and stakeholders will be highly receptive to air quality impacts, particularly dust generation and the accumulation of particulate matter.
- Sustainability Plan
 – Management and reduction of greenhouse gas emissions and management of
 impacts regarding general health, wellbeing, and quality of life for surrounding communities. This
 linkage with the WSA Sustainability Plan extends to IS Rating discharge credit Discharge Dis-4 Air
 Quality, where compliance with this CEMP will ensure the project will meet credit requirements.

Where relevant, linkages to other CEMPs and management objectives have been included in the risk assessment and the environmental control measures (Section 6 and Section 7 respectively).

Table 1 highlights relationships and linkages of this Air Quality CEMP with other CEMPs and Plans, including key cross-referencing to the Airport Plan and Environmental Impact Assessment (EIS) requirements.



Table 1: Air Quality CEMP Relationship with other Plans

| CEMP or Plan | Airport Plan Condition (3.11.2) | EIS Chapter Table 28: Management area | EIS Chapter Table 28: Mitigation measures |
|--|------------------------------------|--|--|
| Aboriginal Cultural Heritage | 11 | 28-12 | 28-13 |
| Air Quality (this Plan) | 10 | 28-10 | 28-11 |
| Biodiversity | 7 | 28-04 | 28-05 |
| Community and Stakeholder Engagement Plan | 15 | 28-20 | 28-21 |
| European and Other Heritage | 12 | 28-14 | 28-15 |
| Noise and Vibration | 6 | 28-02 | 28-03 |
| Soil and Water | 8 | 28-06 | 28-07 |
| Sustainability Plan | 29 | 28-37 | 28-38 |
| Traffic and Access | 9 | 28-08 | 28-09 |
| Visual and Landscape | 14 | 28-18 | 28-19 |
| Waste and Resources | 13 | 28-16 | 28-17 |

| Key |
|---|
| Moderate to high relevance to this CEMP |
| Some relevance to this CEMP |

The review and document control process for this Plan are described further in Section 10 of the SEMF.

The context of this Plan in relation to the WSA Environmental Management System (EMS) is presented in Figure 1.

1.2. Document Purpose

The purpose of this Plan is to avoid/ mitigate air quality impacts and provide the foundation for the management of air quality impacts for all construction activities as per the approved Construction Plan; in accordance with best practice and legal requirements (including environmental mitigation measures, controls, monitoring and reporting). Objectives, targets and performance criteria are set out in Section 3 of this CEMP.

This Plan details the air quality management requirements that must be satisfied in order to demonstrate compliance with Condition 10 of Section 3.11.2 of the Airport Plan for the construction of the Stage 1 Airport Development.

Legal and other requirements are identified and maintained in a register within the SEMF (refer SEMF Appendix L). Specific air quality mitigation measures are included within this CEMP (refer Section 7), and are derived from the EIS (refer Section 4.6) and are required to be satisfied and assessed through risk assessment processes (refer Section 6.4).

Section 7, Table 13 outlines how mitigation measures will be implemented, by who and at which phase of construction. Implementation of these measures is ensured through a program of work activities, monitoring, training and competence, inspection, auditing and reporting actions (refer Sections 10 and 11), with the responsibilities for implementation identified in Section 9. Continual improvement processes in relation to compliance with regulatory requirements are detailed in SEMF Section 9.2.

In summary, this Plan sets out to achieve the following:

- Provision of details for the management and mitigation measures to be implemented, including timing and responsibilities;
- Ensuring the commitments of the Conditions (as set out in the Airport Plan) and regulatory requirements are met and satisfied by both WSA and contractors;
- Provision of process for monitoring implementation, reporting, and auditing of air quality related management and compliance related issues;
- Commitment to meeting the requirements of AS/NZS ISO 14001:2016 Environmental Management Systems, including the need for continual improvement;



- Provision of a process to be implemented for the management of complaints, for stakeholder engagement, and for the management of emerging environmental issues as they arise; and
- Provision of a system including procedures, plans and documentation for implementation by WSA
 personnel and contractors to enable Project completion in accordance with the environmental
 requirements.

Effective implementation of this Plan will assist WSA and relevant contractors to achieve compliance with necessary environmental regulatory and policy requirements in a systematic manner with an outcome of continual environmental management performance.

1.3. WSA EMS Overview

WSA operates in general accordance with AS/NZS ISO 14001:2016 – Environmental management systems. A copy of the WSA Environmental Policy is provided in Appendix H of the SEMF.

The Stage 1 Airport Development will be undertaken in accordance with the Construction Plan including the SEMF and the associated CEMPs (including this Plan).

The SEMF forms an appendix to the Construction Plan and is the overarching management plan for implementation of the nine CEMPs. It provides a structured and systematic approach to environmental management and provides an expectation and guidance with regards to environmental management for the construction of the Stage 1 Airport Development.

The structure of the EMS for the Project is shown in Figure 1.

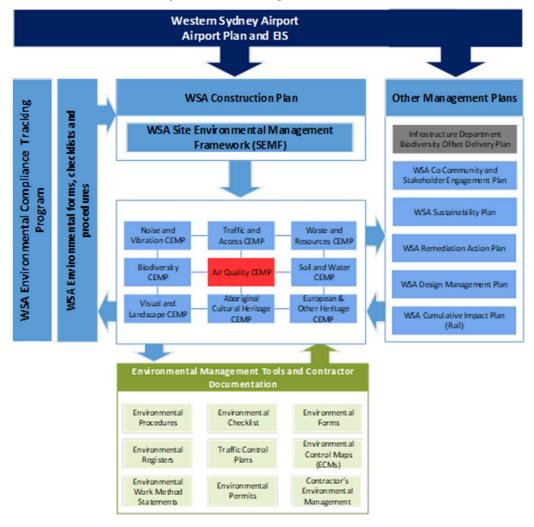


Figure 1: WSA EMS and CEMP context



1.4. Consultation Requirements of this Plan

Airport Plan Condition 35 outlines the consultation requirements during the preparation of the CEMP documentation and requires consultation with any NSW Government agencies as specified by the NSW Department of Premier and Cabinet (DPC) as well as the NSW Department of Planning and Environment (DPE) for specific CEMPs. NSW Government agencies were identified by DPC for consultation for this CEMP, include DPE, Penrith and Liverpool City Councils.

Further, Airport Plan Condition 10(3) requires that this CEMP take into account Table 28-10 of the EIS which states the CEMP should also be prepared in consultation with the NSW Environment Protection Authority (EPA) and NSW Health.

Consultation has been completed during the development of this CEMP during the review and update of Revision 0 and 1 in 2018, Revision 2 in 2019, Revision 3 in 2021, and Revision 4 in 2022. A summary of the stakeholder and government agency consultation completed and used to inform the review and finalisation of Revision 4 is presented in Table 2.

Consultation will continue with government agencies and other relevant stakeholders throughout the Project where there is a change to a CEMP. The outcomes of this consultation will be documented in subsequent revisions of the relevant CEMPs, with details of such consultation included in the applicable document.

1.4.1. Consultation to Inform Revision 4

A Community and Stakeholder Engagement Plan (CSEP) outlining the process for engaging with stakeholders was prepared by the WSA Community and Engagement team. The CSEP and a scoping document outlining the works in the Construction Plan and potential modification of the CEMPs was provided to the stakeholders as required by the Airport Plan Conditions.

Details of the construction phases were described in the correspondence to provide context to stakeholders on the level of impact that would result from the next phase of construction activities. Upcoming phases of construction captured in Revision 4 of the CEMPs include the Airside Civil and Pavement (ACP) and Landside Civil and Building (LCB) scopes, along with the M12 on Airport works, fuel farm (being constructed by the Terminal and Speciality Services contractor), permanent utilities, and ancillary buildings. Stakeholders were invited to attend a site visit and briefing presentation at the WSI Experience Centre on 29 March 2022 to assist the stakeholders to understand the size and scale of the site elements. The briefing presentation was offered to stakeholders to attend in one of three ways:

- Face-to-face followed by a tour of the Airport site precinct;
- · Via videoconference; or
- Face-to-face without participating in the site precinct tour.

On 8 April 2022, stakeholders were provided with the Construction Plan, the nine draft CEMPs and the CSEP to review and were asked to provide comment. A summary of the consultation is provided in Table 2.



Table 2: Air Quality CEMP Consultation

| Activity | Date | Invitees | Summary |
|---|------------------|---|--|
| Consultation S | ummary | | |
| Briefing presentation for stakeholders | 29 March 2022 | Department of Agriculture, Water and the Environment (DAWE) Greater Sydney Commission Infrastructure Department Liverpool City Council NSW Aboriginal Affairs NSW Ambulance NSW Department of Customer Service NSW DPE NSW EPA NSW Government Architect NSW National Parks and Wildlife Service | As part of the continuous improvement of the consultation process, a site visit and briefing presentation for stakeholders was organised. It is a useful element to assist stakeholders to understand size and scale and also have discussions related to site elements as they are seen during the |
| CEMPs provided to stakeholders for comment | 8 April 2022 | Penrith City Council Property NSW Resilience NSW Rural Fire Service South Western Sydney Local Health District Sydney Metro Transport for NSW Transport Management Centre Western Parkland City Authority WSA Community Commissioner | site visit |

1.5. Certification and Approval

This Air Quality CEMP has been reviewed and approved for issue by the WSA Environment Manager prior to submission to the Commonwealth Department of Infrastructure, Transport, Regional Development and Communications (Infrastructure Department) for approval, in accordance with the EIS Table 28-10 (refer Table 6).

1.6. Distribution

All WSA personnel and contractors will have access to this Air Quality CEMP via the Project document control management system. The Approved Plan must be published on WSA's website within one month of being approved and be available until the end of the Construction Period. An electronic copy can be found on the Project website https://westernsydney.com.au.

This document is uncontrolled when printed. One controlled hard copy will be maintained by the Quality Manager at the Project office.

2. Scope of Works

The Construction Plan details the construction staging of the Stage 1 Airport Development.

The delivery of the Stage 1 Airport Development will be through a packaging strategy with a wide variety of package sizes, risk profiles and contracting entities. Each package (scope of work allocated to one contractor) will have different levels of environmental risk and environmental obligations, depending on the scope of works, location of works and sensitivity of the receiving environment and cultural heritage issues and relevant statutory requirements and obligations.

Stage 1 Airport Development of the Project comprises the following key features as described in the Construction Plan (which is consistent with the Airport Plan and EIS Chapter 5):



• Site preparation • Utilities

Ancillary developments

Terminal

Airside

Ground transport

Other building activities

· Aviation support facilities

Details of the Project construction packages, activities, staging and programming including the phases of works for each package are described in Section 6 of the Construction Plan (WSA00-WSA-00000-CN-PLN-000001) as required by the Airport Plan Condition 1(5).

This Plan applies to all phases of works as described in Section 6 of the Construction Plan.

A variation to this Plan will be submitted before work other than Preparatory Activities is undertaken on any other phases of the Project.



3. Objectives and Targets

3.1. Objectives

The key objective of this Air Quality CEMP is to ensure that impacts associated with air quality are managed to within permitted air quality criteria as far as practicable, and best practice controls and procedures are implemented during construction activities to maintain ambient air quality at acceptable levels at sensitive receivers surrounding the Airport Site and minimise the risk of dust or odour nuisance impacts on neighbours.

To achieve this objective, the following will be undertaken:

- Ensure emissions are minimised from all plant, equipment and machinery;
- Ensure appropriate measures are implemented to address the management measures detailed in Table 28-10 and the mitigation measures Table 28-11 in Chapter 28 the EIS; and
- Ensure appropriate measures are implemented to comply with all relevant legislation and other requirements as described in Section 4 of this Plan.

3.2. Targets and Performance Criteria

Targets and performance criteria have been established for the management of air quality impacts during the Project which have been, derived from the framework and performance criteria identified in the EIS Table 28-10, as presented below in Table 3.

Table 3: Air Quality Objectives, Targets and Performance Criteria

| Objective | Target | Performance Criteria | Document Reference |
|--|---|--|---|
| Ensure ambient air quality is maintained at acceptable levels at sensitive receptor locations surrounding the Airport Site | Ensuring that air pollution remains within the accepted limits set out in the AEPR. | Not exceeding the criteria outlined in Section 8. No dust or odour related complaints | Air quality monitoring results Complaints database |
| Minimising the risk of dust or odour nuisance impacts on neighbours | Ensuring that air pollution remains within the accepted limits set out in the AEPR | No dust or odour related complaints Not exceeding the criteria outlined in Section 8 | Air quality monitoring results Complaints database |
| Ensure emissions are minimised from all plant, equipment and machinery | Ensuring that air pollution remains within the accepted limits set out in the AEPR | All plant and equipment are maintained in accordance with manufacturers requirements | Plant and equipment log books |
| | | Not exceeding the criteria outlined in Section 8 | |

The above targets in Table 3 have been set to provide a benchmark performance objective to which WSA will endeavour to achieve. Failure to achieve the targets will not be considered a non-conformance, however, will prompt internal review of environmental management and the consideration of potential improvement opportunities.



4. Environmental Legal and other Requirements

Relevant environmental legislation and other requirements are identified below.

4.1. Relevant Legislation and Guidelines

As WSI is to be developed under the Airport Plan determined under the Commonwealth *Airports Act* 1996 (Airports Act), some state laws will not be applicable to the Project (refer s112 Airports Act). Where state law is applicable, this Plan will set out the relevant applicable state legislation and requirements and demonstrate how compliance with those laws including obtaining relevant permits will be achieved. Where state laws are not applicable, there may nonetheless be a requirement to have regard to those laws, for example, through mitigation measures to be incorporated in CEMPs to satisfy conditions under the Airport Plan.

4.1.1. Legislation

Relevant environmental legislation and regulations to this Plan are summarised in Table 4. Further legislative details can be found in Section 3.2 of the SEMF and its Appendix L - Legal and other Requirements Register.

Table 4: Principal Environmental Legislation and Relevance

| Legislation or Regulation | Relevance | CEMP Compliance Provisions | | | | |
|---|--|---|--|--|--|--|
| Commonwealth | | | | | | |
| Airports Act 1996 (Airports Act) | The Airports Act and AEPRs set out the framework for the regulation and management of activities at airports that could have potential to cause environmental harm. This includes offences related to environmental harm, environmental management standards, monitoring and incident response requirements. The Airport Plan prepared under the Airports Act covers a number of environmental matters and, in particular, details specific measures to be carried out for the purposes of preventing, controlling or reducing the environmental impact associated with the airport. Criminal offences may be applicable if these measures are not complied with. | This CEMP forms part of the overall WSA EMS which has as a target of full compliance with the Airport Plan. Relevant mechanisms within this CEMP that will contribute to this include but are not limited to: Section 3.1 – Objectives Section 4.5 – Airport Plan Conditions Section 4.6 – Environmental Impact Statement Requirements Section 6.4 – Risk assessment Section 7 – Environmental control measures Section 9 – Roles and responsibilities Section 10 –Environmental Inspection, Monitoring, Auditing & Reporting Section 10.5 – Review of Approved Plans Section 10.6 – Environmental Incidents and complaints management | | | | |
| Airports (Building Control) Regulations 1996 (ABC Regulations) | Any conditions imposed on the ABC and ALC on their consents must be satisfied by the Applicant. These conditions are additional to any requirements identified under the CEMPs | This CEMP | | | | |
| Airports (Environment Protection) Regulations 1997 (AEPRs) | Imposes a general duty to prevent or minimise environmental pollution once an airport lease is granted. | Refer to commentary on Airports Act above. | | | | |



| Legislation or Regulation | Relevance | CEMP Compliance Provisions |
|--|---|---|
| National Environment | Promotes improved environmental management practices at airports. Includes provisions setting out definitions, acceptable limits and objectives for air quality, as well as monitoring and reporting requirements. Sets the national health-based air quality | Section 7 – Environmental Control |
| Protection (Ambient Air Quality) Measure (NEPM-AAQ) | standards for six air pollutants (carbon monoxide, nitrogen dioxide, sulphur dioxide, lead, ozone and PM ₁₀) and includes advisory reporting standards for PM2.5. | Measures Section 8.1 – Air Quality Criteria Section 10 – Environmental Inspection, Monitoring, Auditing and Reporting |
| National Environment Protection (Air Toxics) Measure National Environment Protection (National Pollutant Inventory) Measure 1998 | Sets a nationally consistent approach to monitoring (by reference to 'investigation levels') for five air toxics: benzene, formaldehyde, toluene, xylenes and benzo (a) pyrene (as a marker for polycyclic aromatic hydrocarbons). These are not compliance standards but are for use in assessing the significance of the monitored levels of air toxics with respect to the protection of human health. | Section 8.1 – Air Quality Criteria Section 10 – Environmental Inspection, Monitoring, Auditing and Reporting Note: Monitoring of these five air toxins may not be relevant, however, this summary is provided as a trigger for continued consideration of this requirement as delivery of the Airport progresses. |
| National Environment Protection (National Pollutant Inventory) Measure | The primary goals are to: (a) collect a broad base of information on emissions and transfers of substances and (b) disseminate information to all sectors of the community. This NEPM covers a variety of air pollutants. | Refer to Sustainability Plan |
| National Greenhouse and Energy Reporting Act 2007 | An Airport Lessee Company (ALC) is required to register and report its operational greenhouse gas emissions attributable to the activities over which it has operational control. This is because it is expected that its emissions will exceed relevant thresholds. This may also apply to the construction contractor and other contractors or users of the airport (e.g. airlines). | Section 7 – Environmental Control Measures |
| Ozone Protection and Synthetic Greenhouse Gas Management Act 1989 and the Ozone Protection and Synthetic Greenhouse Gas Management Regulations 1995 | This Act and Regulations impose controls on the manufacture, import, export and management of substances that deplete ozone in the atmosphere including CFCs 11, 12, 113, 114 and halons 1211, 1301 and 2402. | Section 7 – Environmental Control Measures |
| NSW | | |
| | | |
| Environmental Planning and Assessment Act 1979 (EP&A Act) | Objects of the Act include the encouragement of proper management and conservation of natural and artificial resources and the promotion of the orderly and economic use and development of land in NSW. The EP&A Act also provides for the making of environmental planning instruments. | This Project has been authorised under the Airports Act; however, a range of matters arising from the EP&A Act have been considered. |
| | making of environmental planning instruments including State Environmental Planning Policies (SEPPs) and Local Environmental Plans (LEPs), which include land use controls, such as development standards applicable to the land within the area covered by each instrument. | Section 7 – Environmental Control Measures |
| Liverpool Local Environmental Plan 2008 (Liverpool LEP) | The Liverpool LEP provides local environmental planning controls and standards for land in the Liverpool LGA in accordance with the standard environmental planning instrument under section 33A section 3.20 of the EPA Act. | Section 7 – Environmental Control Measures |



| Legislation or Regulation | Relevance | CEMP Compliance Provisions |
|---|--|---|
| Ozone Protection Act 1989 | This Act regulates or prohibits the manufacture, sale, distribution, conveyance, storage, possession and use of ozone-depleting substances in NSW. | Section 7 – Environmental Control Measures |
| Penrith Local Environmental Plan 2010 (Penrith LEP) | The Penrith LEP provides local environmental planning controls and standards for land in the Penrith LGA in accordance with the standard environmental planning instrument under section 33A3.20 of the EPA Act. | Section 7 – Environmental Control Measures |
| Protection of the Environment Operations Act 1997 (POEO Act), and the Protection of the Environment Operations (General) Regulation 2009 | The POEO Act provides a range of controls with regard to air quality including requirements to maintain plant and equipment in proper and efficient condition and to operate plant and equipment in a proper and efficient manner. This includes the means of processing, handling, moving, storage and disposal of materials. | Section 7 – Environmental Control Measures |
| POEO Act and Protection of the Environment Operations (Clean Air) Regulation 2010 (Clean Air Regulation) | The Clean Air Regulation prescribe standards for certain groups of plant and premises to regulate industry's air emissions and impose requirements on the control, storage and transport of volatile organic liquids. | Section 7 – Environmental Control Measures |
| State Environmental Planning Policy (Precincts – Western Parkland City) 2021 | Formerly the Aerotropolis SEPP, this SEPP was made in accordance with division 3.3 of the EP&A Act and provides planning controls for development within the Western Sydney Aerotropolis (the land immediately surrounding WSI). The SEPP overrides any LEP provisions that apply to that land. | Section 7 – Environmental Control Measures |
| Work Health and Safety Act 2011 (WHS Act) & Work Health and Safety Regulation 2017(WHS Regulation) | The WHS Act provides a framework to protect the health, safety and welfare of all workers and others in relation to NSW workplaces and work activities. The WHS Regulation sets out specific requirements for particular hazards and risks, such as noise, machinery, and manual handling. | WSA Work Health & Safety (WHS) Plan |

4.1.2. Guidelines and Standards

Guidelines and standards that are relevant to air quality management and this Plan are summarised in Table 5.

Table 5: Relevant Guidelines and Standards

| Guidelines and Standards | Relevance to this CEMP |
|--|---|
| AS 3580.1.1-2007 Methods for Sampling and Analysis of Ambient Air – Guide to Siting Air Quality Monitoring Equipment | Section 10.2 - Stage 1 Airport Development Air Quality monitoring program |
| AS 3580.10.1-2003 Methods of Sampling Analysis of Ambient Air | Section 10.2 - Stage 1 Airport Development Air Quality monitoring program |
| AS/NZS 3580.10.1:2016 - Methods for sampling and analysis of ambient air Method 10.1: Determination of particulate matter—Deposited matter—Gravimetric method. | Section 10.2 - Stage 1 Airport Development Air Quality monitoring program |
| Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC 2005) | Section 8.1 - Air Quality criteria |



| Guidelines and Standards | Relevance to this CEMP |
|---|---|
| Managing particles and improving air quality in NSW (EPA 2013) | Section 6.3 – Cross Package Impacts |
| Western Sydney Aerotropolis Development Control Plan 2020 Phase 1 | Section 4.1 – Relevant Environmental Legislation and Guidelines |
| NERDDC 1988, Air Pollution from Surface Coal Mining: Measurement, Modelling and Community Perception, Project No. 921, National Energy Research Development and Demonstration Council, Canberra | Section 8.1 - Air Quality criteria |

4.2. Approvals and other Specifications

Approvals that are relevant to air quality management and this Plan are summarised in Table 6.

Table 6 Approvals Relevant to Air Quality Management

| Approvals | Relevance to this CEMP | |
|-----------------------------|--|--|
| Western Sydney Airport Plan | Provides the Conditions of Approval relevant to air quality management during construction. | |
| Western Sydney Airport EIS | The requirements of air quality management to be taken into account and addressed during the construction phase of the Stage specifically EIS Table 28-10. | |

In addition to the above approvals, the following specifications are relevant to air quality management and this CEMP:

- WSA Functional Specifications;
- · WSA Sustainability Plan;
- · WSA CSEP; and
- WSA Construction Plan, including the SEMF.

4.3. Airport Plan Conditions

Conditions relevant to air quality management during construction of the Stage 1 Airport Development are documented in Section 3.11.2 of the Airport Plan and summarised in Table 7. Compliance with the Airport Plan conditions is a statutory requirement and as such, failure to comply may constitute a criminal offence liable to criminal prosecution under the Airports Act.

Table 7: Conditions Relevant to Air Quality Management

| Condition No. | Condition | Timing | Responsibility | Document Reference |
|---------------|--|---------|----------------|-------------------------------------|
| 1.4 | The Site Occupier must ensure that no CEMP is inconsistent with the approved Construction Plan | Ongoing | WSA | This CEMP |
| 1.5 | The approved Construction Plan may provide for Main Construction Works to be carried out in phases that commence at different times for different parts of the Airport Site or an Associated Site. If it does, the Site Occupier may prepare a CEMP in relation to one or more phases, and the criteria for approval of such a CEMP are taken to exclude any matter irrelevant to the phases for which approval is | Ongoing | WSA | This CEMP and the Construction Plan |



| Condition | Condition | Timing | Responsibility | Document | |
|-----------|---|---|-------------------------|--|--|
| No. | sought. A variation of the CEMP must be submitted for approval in accordance with condition 49 (Variation of Approved Plans) prior to commencement of any new phase. | Timing | Responsibility | Reference | |
| 5.3 | In carrying out a Preparatory Activity for the Airport Stage 1 Development, the Site Occupier must: a) implement any plan approved in accordance with sub condition (1) or (2), except to the extent that the plan is inconsistent with any subsequently approved CEMP or the approved Construction Plan; and b) not act inconsistently with any approved | Construction Works | WSA | SEMF | |
| | CEMP or the approved Construction Plan. The Site Occupier must not: a) Commence Main Construction Works until an Air Quality CEMP has been prepared | | | | |
| 10.1 | and approved in accordance with this condition; or b) Carry out any development described in Part 3 of the Airport Plan inconsistently with the approved Air Quality CEMP | Prior to Main Construction Works | | This CEMP | |
| 10.2 | The Site Occupier must: a) Prepare, and b) Submit to an Approver for approval; an Air Quality CEMP in relation to the carrying out of the developments which are part of the Airport Stage 1 Development. | Prior to Main Construction Works | WSA | This CEMP | |
| 10.3 | The criteria for approval of the Air Quality CEMP are that an Approver is satisfied that: a) in preparing the Air Quality CEMP, the Site Occupier has taken into account Table 28- 10 in Chapter 28 of the EIS; and b) the Air Quality CEMP complies with Table 28-11 in Chapter 28 of the EIS and is otherwise appropriate. | Prior to Main Construction Works | Approver | This CEMP | |
| 35 | An Approver must not approve a plan referred to in Chapter 28 of the EIS unless he or she is satisfied that the Plan Owner: (a) in preparing the plan, has: i) consulted with any NSW Government agencies specified by the NSW Department of Premier and Cabinet; (b) has provided: i) the Approver; and ii) each consulted agency, with an explanation of how any responses have been addressed. | Ongoing | Approver | This CEMP Section 1.4.1 Consultation Requirements for this Plan | |
| 42 | Cumulative Impacts Plan 1) The Rail Authority must not commence Rail Construction Works until a Cumulative Impacts Plan has been approved in accordance with this condition. | Prior to rail construction works occurring | WSA and the Approver | Cumulative Impacts Plan (Rail) - WSA00- WSA-00400-EN- PLN-000013 | |



| Condition No. | Condition | Timing | Responsibility | Document Reference |
|------------------|---|---------|---------------------|-----------------------|
| | 2) The ALC must: a) prepare; and b) submit to an Approver for approval; a Cumulative Impacts Plan in relation to cumulative impacts arising from the concurrent construction of the Airport Stage 1 Development and the Rail Development. 3) The criteria for approval of the Cumulative Impacts Plan are that an Approver is satisfied that the Cumulative Impacts Plan: a) sets out: I. co-ordination and consultation requirements between the following stakeholders as relevant to manage the interface of projects under construction at the same time: the ALC, the Rail Authority, Transport for NSW, Western Parkland City Authority, Sydney Water, emergency service providers and utility providers; II. the responsibility for management of the impacts set out in the Cumulative Impacts Plan; III. the relevant environmental management framework relating to construction of the Airport Stage 1 Development; and IV. the process for proactively identifying and managing cumulative impacts; b) has been prepared in consultation with the Rail Authority; and c) is otherwise appropriate. 4) Each of the Rail Authority and the ALC must not act inconsistently with the approved Cumulative Impacts Plan. | | | |
| 45 to 50 | Set out requirements in relation to informing other parties of conditions, keeping records, publishing reports, independent audits, variation to approved plans and publication of approved plans | Ongoing | WSA and Approver | This CEMP |

4.4. EIS Requirements

The requirements of air quality management to be taken into account and addressed during the construction phase of the Stage 1 Airport Development are included in the EIS, Table 28-10 and 28-11.

A summary of these requirements and how they have been addressed in this Air Quality CEMP is presented in Table 8.



Table 8: Summary of Air Quality Management Requirements

| EIS Reference | Topic | Summary | Air Quality CEMP Reference |
|------------------|--|---|---|
| Table 28-10 | Performance | Compliance with the approved Air Quality CEMP; and | Section 3 – Objectives and targets |
| Criteria | | Ensuring that air pollution remains within the accepted limits set out in the AEPR. | Section 4.6 - EIS requirements Table 8 - Summary of Air Quality Management Requirements Section 8.1 - Air Quality criteria |
| Table 28-10 | Table 28-10 Implementation Framework An Air Quality CEMP will be approved prior to commencement of Main Construction Works for the proposed airport. The CEMP will collate measures to mitigate and manage potential impacts on air quality and include cross-references to other environmental management plans where relevant. The Air Quality CEMP will as a minimum: | | Section 7 – Environmental control measures |
| | | Detail the management and mitigation measures to be implemented, including those outlined in this Section | Section 7 – Environmental control measures |
| | | Describe the process for managing complaints, stakeholder engagement, and emerging environmental management issues as they arise | Section 10.6 – Environmental incidents and complaints management |
| | | Specify the process for monitoring implementation, reporting, and auditing | Section 10 – Environmental inspection, monitoring, auditing and reporting |
| | | Identify the party responsible for implementing of the Air Quality CEMP | Section 9 – Environmental roles and responsibilities |
| Table 28-10 | Monitoring | General monitoring requirements are set out in the AEPR. These include that: | - |
| | | Monitoring must take place under direction of an appropriately qualified person; | Section 10 – Environmental inspection, monitoring, auditing and reporting |
| | | The results for the monitoring must be kept in a written record | Section 10 – Environmental inspection, monitoring, auditing and reporting |
| | | Additional monitoring requirements include that: | - |
| | | Suitable locations for dust deposition, dust flux, or real-time PM ₁₀ continuous monitoring have been determined in consultation with the NSW Environment Protection Authority | Section 7 – Environmental control measures Section 10.2 Air quality monitoring |
| | | Baseline monitoring will commence at least three months before Main Construction Works commence | Section 7 – Environmental control measures |



| EIS Reference | Topic | Summary | Air Quality CEMP Reference |
|------------------|--------------------|--|---|
| | | Regular site inspections will be undertaken to monitor compliance with the dust management plan. Inspection results will be recorded, and the inspection log made available to the Department of Infrastructure and Regional Development upon request | Section 10 – Environmental inspection, monitoring, auditing and reporting |
| | | More frequent site inspections by the person accountable for air quality and dust issues will be conducted onsite when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions | Section 10 – Environmental inspection, monitoring, auditing and reporting |
| Table 28-10 | Auditing and | General reporting requirements are set out under AEPR | - |
| | reporting | In addition, an annual report will be prepared and submitted to the Infrastructure Department in relation to compliance with the Air Quality CEMP for the period until the airport commences operations | Section 10.4 – Environmental reporting |
| | | The community and stakeholder engagement plan provide for the development of a complaints log and includes specific measures for how complaints will be managed | Section 10.6 – Environmental incidents and complaints management |
| Table 28-10 | Responsibility | Responsibilities include: | - |
| | | The Air Quality CEMP will be prepared in consultation with the NSW Environment Protection Authority and NSW Health | Section 1.4 – Consultation requirements of this Plan |
| | | The Air Quality CEMP will be submitted for approval to the Infrastructure Minister or an SES Officer in the Department of Infrastructure and Regional Development | Section 1.5 – Certification and approval |
| | | The design and construct (D&C) contractor will be responsible for implementing site specific environmental procedures and work method statements applicable to the proposed woks in accordance with the requirements of this Air Quality CEMP | Section 8 – Air Quality Management Section 9 – Environmental roles and responsibilities SEMF Section 4 – Roles and Responsibilities |
| | | The airport environment officer will be responsible for day to day regulatory oversight of the AEPR compliance at the airport after an airport lease is granted. | Section 9 – Environmental roles and responsibilities SEMF Section 4 – Roles and Responsibilities |
| Table 28-11 | Dust Management | As part of the Air Quality CEMP, a dust management plan will be developed to mitigate the impacts of dust during construction. This plan will involve: | |
| | Plan | Avoiding site run-off of water or mud to reduce the potential for track-out dust emissions. Only using cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays. Ensuring adequate water will be made available on the site for effective dust and particulate matter suppression and mitigation, using non-potable water where possible. | Appendix A – Dust Management and Vehicle and Equipment Emissions Plan Section 7 – Environmental control measures |



| EIS Reference | Topic | Summary | Air Quality CEMP Reference |
|------------------|---|---|--|
| | | Using enclosed chutes and conveyors and covered skips where appropriate. Minimising drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment, and using fine water sprays on such equipment wherever appropriate. Making equipment readily available on-site to clean up spillages as soon as reasonably practicable after the event Measures to reduce dust impacts from earthworks and other works outlines elsewhere in this table; and Measures to reduce dust track out as outlined elsewhere in this table. | |
| Table 28-11 | Dust impacts from bulk earthworks | Measures to address impacts from bulk earthworks will include: Minimise exposed areas as afar as practicable Re-vegetate earthworks and exposed areas or soil stockpiles to stabilise surfaces as soon as practicable; and Issue of hessian, mulches or tackifiers to cover exposed areas as soon as possible after completion of earthworks where it is not possible to re-vegetate or cover with topsoil. | Section 7 – Environmental control measures |
| Table 28-11 | Dust impacts from other main construction works | Measures to mitigate dust impacts associated with other Main Construction Works include: Avoiding scabbling (roughening of concrete surfaces) where practicable. Storing sand and other aggregates in bunded areas and not allowing them to dry out unless required for particular purposes. If they are required for particular purposes, appropriate additional control measures would need to be in pace; Delivering bulk cement and other fine powder materials in enclosed tankers and storing them in silos with suitable emission control systems to prevent escape of material and overfilling during delivery. Sealing and appropriately storing bags of any fine powder materials to prevent dust generation. | Section 7 – Environmental control measures |
| Table 28-11 | Dust Track out | Mitigating the impacts associated with track out dust will involve: Using water-assisted dust sweeper(s) on the access and local roads to remove, as necessary, any material tracked out of the site. This may require the sweeper to be continuously in use. Avoiding dry sweeping of large areas. Sealing high use haul roads and regularly inspecting and making necessary repairs to the surface as soon as reasonably practicable. Recording all inspections of haul routes and any subsequent action in a site log book. Regularly cleaning and damping down hard surfaced haul routes with fixed or mobile sprinkler systems or mobile water bowsers. | Section 7 – Environmental control measures |



| EIS Reference | Topic | Summary | Air Quality CEMP Reference |
|------------------|---------------------------------|--|---|
| | | Implementing a wheel washing system (with rumble grids to dislodge accumulated dust and mud) prior to leaving the site. Providing an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits. Locating site access points as far as practicable from sensitive receptors. | |
| Table 28-11 | Vehicle and equipment emissions | A vehicle and equipment emissions plan will be developed and implemented as part of the Air Quality CEMP to mitigate the impacts associated with vehicle and equipment emissions. The plan will involve: Requiring vehicle operators to switch off engines when not in use; Avoiding the use of diesel- or petrol-powered generators and instead using mains electricity or battery powered equipment, where practicable; Considering appropriate vehicle speeds on sealed and unsealed roads; Developing and implementing a construction logistics plan to manage the sustainable delivery of goods and material to the airport site; and Implementing measures to support and encourage sustainable travel for construction workers to and from the airport site, including public transport, shuttle busses, cycling, walking and car-sharing (as also outlines in the Traffic and Access CEMP). | Appendix A – Dust Management and Vehicle and Equipment Emissions Plan |



5. Existing Environment

The following information is summarised from the EIS and refers to the Airport Site and surrounding environment. Refer to the EIS for more details.

For the purpose of the phase of Main Construction Works covered by this CEMP, the existing environment described herein is considered consistent and acceptable for consideration in the risk assessment process and the identification of suitable environmental mitigation measures and controls. For details with regards to environmental mitigation measures and controls for the management of air quality impacts refer to Section 7.

5.1. Sensitive Receptors

Sensitive receptors were identified within about five kilometres of the Airport Site for the purpose of assessing the potential impacts of air emissions at these locations. Due to the density of sensitive receptors in the vicinity of the Airport Site, a representative selection comprising 152 of these sensitive receptors was made. These sensitive receptor types include residences, schools, churches and other community infrastructure. Sensitive receptors from suburbs surrounding the Airport Site at varying distances were also included.

The location of the sensitive receivers in relation to the Airport Site in general, and specifically to the phase of Main Construction Works covered by this CEMP is included in Appendix B.

5.2. Air Quality Records

Existing air quality has been characterised from air quality monitoring data collected over ten years (2005–2014) at monitoring stations operated by the Infrastructure Department. These monitoring stations included Bringelly, Macarthur/Campbelltown West, Liverpool and Richmond, and recorded parameters such as nitrogen dioxide, particulate matter, sulphur dioxide and ozone.

Generally, air quality for the local area is good, except for isolated high pollution days or extreme events such as dust storms and bushfires. Uncontrolled combustion events such as bushfires will influence regional observations of PM_{10} and $PM_{2.5}$, and to a lesser extent, nitrogen oxides.

A summary of monitoring data considered applicable to the work activities covered by this CEMP collated over the period of 2005 to 2014 for the area Sydney West and Southwest (Bringelly, Macarthur/Campbelltown West, Liverpool and Richmond) is presented in Table 9.

Table 9: Air Quality Monitoring Results

| | | NEPM Goals | Monitoring Results |
|-------------------|----------------------------|-----------------------|--|
| Pollutant | Averaging Period | Maximum Concentration | Average Recorded Concentration (2005 – 2014) |
| National standar | ds and goals for ambient a | ir quality | |
| PM ₁₀ | 1 day | 50 μg/m ³ | 40 - 97 μg/m³ |
| | Annual | 25 μg/m³ | 15 - 25 μg/m³ |
| PM _{2.5} | 1 day | 25 μg/m³ | Liverpool: 22 - 268 µg/m³ Richmond: 18 - 149 µg/m³ |
| | Annual | 8 µg/m³ | Liverpool: 6 - 9 µg/m³ Richmond: 4 - 8 µg/m³ |
| | 1 day | 228 μg/m³ | Bringelly: 5.1 – 9.2 μg/m³ C' West: 5.7 – 9.9 μg/m³ |
| | Annual | 60 μg/m³ | Bringelly: 0.3 – 1.2 μg/m³ C' West: 1.2 – 1.4 μg/m³ |



Since the completion of the EIS in 2015, ongoing monitoring has been undertaken. Monitoring stations will continue to be used throughout the construction phase with further details provided in Section 10. A summary of the data collected post-EIS but prior to construction (i.e. 'baseline') is included in Table 10. Ongoing comparison to NEPM goals forms part of monthly and Annual Reports.

Table 10: Comparison on Measured Air Quality Data versus NEPM Goals and Pre-Construction Data

| Pollutant | Averaging | NEPM Goals | EIS Monitoring Results | Recorded Average Daily (μg/m3) | | | | | | | |
|-------------------|--|--------------------------|--|--------------------------------|-------|------|------|--|--|--|--|
| | Averaging Period | Maximum Concentration | Average Recorded Concentration (2005 – 2014) | North | South | East | West | | | | |
| | National standards and goals for ambient air quality | | | | | | | | | | |
| PM ₁₀ | 1 day | 50 μg/m ³ | 40 - 97 μg/m³ | 314.1 | 80.2 | 29.4 | 92.5 | | | | |
| PIVI10 | Annual | 25 μg/m³ | 15 - 25 μg/m³ | - | - | - | - | | | | |
| DM. | 1 day | 25 ualm3 | Liverpool: 22 - 268 µg/m³ | 22.4 | 61.3 | 7 | 67.6 | | | | |
| PM _{2.5} | | 25 μg/m³ | Richmond: 18 - 149 µg/m³ | - | - | - | - | | | | |

^{*}Values indicated in red exceed National Environmental Protection Measures (NEPM) air quality standards.

5.3. Wind Speed and Direction

The average wind speed across the five-year review period (2010-14) was 2.6 metres per second. The percentage of calm period with winds less than 0.5 metres per second during this period was nine per cent. A copy of the annual and seasonal wind rose for Badgerys Creek for the year 2021 is provided in



Figure 2. As shown, the average wind speed was 2.36 metres per second, with a percentage calm period of 7.15%. The reduced number of calm periods is not considered to modify assumptions behind the approach to dust control.

An analysis of the climatic data suggests that there is no strong relationship between the time of year and the monthly wind speed, although the monthly average wind speeds are generally less during autumn.

On an annual basis, the predominant winds at Badgerys Creek originate from the south-west, followed by the south-south-west and north. Very few winds originate from the north-west. Winds vary across seasons; during



winter the majority of winds originate from the south-west while in summer they are more frequently from the north-east.



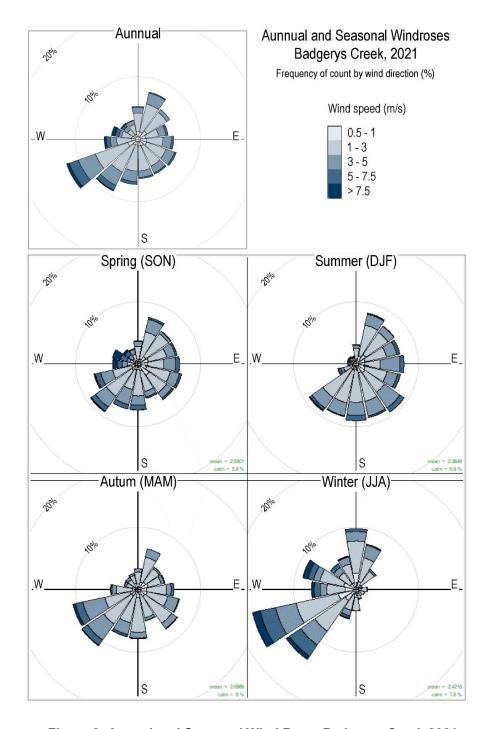


Figure 2: Annual and Seasonal Wind Rose, Badgerys Creek 2021



5.4. Temperature, Rainfall and Humidity

The Airport Site hosts an automatic weather station operated by the Bureau of Meteorology. The weather station has recorded rainfall data at the Airport Site since 1998. Data is provided in Table 11. Average annual rainfall at the Airport Site is 676.6 millimetres (mm).

Climate and rainfall data has been updated since EIS development. There is a strong seasonal variation in temperature at Badgerys Creek, with January being the hottest month, and July being the coldest month as presented below in Table 11.

The rainfall data collected during the EIS indicates that February is the wettest month, with an average mean rainfall of 114 mm while July is the driest month, with an average mean rainfall of 30 mm. In 2021, The average February and July rainfall had slightly decreased to 111.6 mm and 24.5 mm respectively. February remains the wettest month with a maximum recorded monthly rainfall of 342 mm while July continues to be the driest month. While these averages have decreased slightly, since 2019, the site has experienced 'La Nina' weather patterns with associated increased rainfall (particularly relative to the EIS period – for instance in February 2016 12.8 mm of rain was recorded, while in February 2020, 433 mm was recorded (this is the highest monthly total recorded). It is noted that both 2020 and 2021 recorded >1,000 mm of rain (compared to 664 mm in 2016).

In the EIS and in 2019, the annual average relative humidity reading at Badgerys Creek was 73 per cent. The month with the highest relative humidity on average was June, at 79 per cent. September and October had the lowest relative humidity.

Table 11: Average Monthly Rainfall at the Airport Site*

| Statistic | J | F | M | Α | M | J | J | Α | S | 0 | N | D |
|---|-----|-------|-------|-----|-----|-----|------|----|----|-----|-----|-----|
| Mean Max Temperature | 30 | 29 | 27 | 24 | 21 | 18 | 17 | 19 | 23 | 25 | 26 | 29 |
| Mean Min Temperature | 17 | 17 | 15 | 11 | 8 | 6 | 4 | 5 | 8 | 11 | 14 | 15 |
| Mean monthly rainfall (mm) ^a | 78 | 112 | 95 | 45 | 38 | 59 | 25 | 37 | 24 | 54 | 70 | 56 |
| Highest monthly rainfall (mm) a | 92 | 433 | 372 | 253 | 156 | 250 | 77 | | 82 | 182 | | 131 |
| Lowest monthly rainfall (mm) ^a | 1 | 13 | 21 | 2 | 2 | 2 | 0.4 | 1 | 1 | 0.4 | 8 | 0.0 |
| Highest daily rainfall (mm) ^a | 138 | 200.0 | 145.6 | 84 | 54 | 109 | 52.8 | 70 | 51 | 63 | 63 | 65 |
| Evaporation (mm) b | 173 | 128 | 116 | 76 | 50 | 38 | 38 | 56 | 75 | 120 | 146 | 154 |

Note: * All data has been rounded to the nearest decimal point (except for July, October and December Lowest monthly rainfall).

5.5. Odour

The Airport Site is mostly isolated from other industry activities that have the potential to be odorous. The exception is the poultry industry with a number of broiler and egg-laying farms in the vicinity, particularly to the east of the Airport Site. Background odour was not included as part of the air quality assessment for the Project.

a. Data from Bureau of Meteorology Badgerys Creek automatic weather station

b. Data from Bureau of Meteorology Parramatta weather station, as the nearest representative location with available evaporation data.



6. Air Quality Aspects and Impacts

6.1. Construction Activities

Construction of the Stage 1 Airport Development will result in dust emissions generated during both the earthworks, main Terminal works and the construction of landside and aviation infrastructure, as well as nearby projects with Project interfaces, i.e. the M12 on Airport and Sydney Metro WSA. Specific to the works covered by this CEMP (refer to Section 2 and Construction Plan Section 6), the likely activities that have the potential to impact on air quality include the following:

- Operation of heavy machinery including cranes, dozers, scrapers, graders, compactors, and piling rigs;
- The transportation, loading and unloading of materials;
- Hauling on paved and unpaved roads;
- Exposure of ground surfaces resulting in wind erosion;
- · Concrete batching plants and material stockpiling;
- Concrete cutting;
- Diesel and petrol powered generators providing site temporary power;
- Asphalt of roads and carpark pavements;
- · Concreting of pavements;
- Bridge pilling works;
- Finishes trades include paints, glues and waterproofing products;
- Landscaping works;
- Management of large stockpiles (Fine Crushed Rock /sandstone);
- Operation of concrete batch plants (delivery and handling of cement, vehicle movements);
- Operation of asphalt batch plants (particulate emissions); and
- Operation of pugmills (cement handling and delivery)

In addition to the above, there will also be diesel particulate matter emissions (comprising PM_{2.5} only) from onsite equipment. Additionally, construction of the Stage 1 Airport Development will result in greenhouse gas emissions from the operation of construction equipment and vegetation clearing.

6.2. Impacts

The potential for impacts on air quality was considered in Section 12 of the EIS. An assessment was undertaken of the potential sources detailed in Section 6.4. The findings are summarised in the sections below.

In addition to the inherent risks of specific construction activities creating the potential to generate dust, several other environment factors also affect the likelihood of dust emissions. These include:

- Wind direction determines whether dust and suspended particles are transported in the direction of the sensitive receivers. This has been addressed in Section 5.3, with the predominant annual wind direction being from the southwest, particularly during the seasons of winter and autumn;
- Wind speed governs the potential suspension and drift resistance of particles. This has been addressed in Section 5.3;
- Rainfall or dew rainfall or heavy dew that wets the surface of the soil and reduces the risk of dust generation. Rainfall patterns in the area of Badgerys Creek is detailed further Section 5.4, indicating higher rainfall expectation within the months of February, March and November with mean averages exceeding 100 mm/month;
- · Effectiveness of protective measures; and
- Adjacent land uses and activities that may create dust resulting in a cumulative impact on air quality.



Accordingly, project personnel involved in the activities above need to consider the factors effecting emissions to air in consultation with their environmental representatives to ensure appropriate mitigation measures are adopted.

6.3. Cross-Packages Impacts

WSA's ongoing works will include the delivery of an increasing number of concurrent packages. Accordingly, and with respect to air quality management, it is necessary to consider the combined impact of interfacing construction packages to ensure that effective mitigation measures are identified and implemented.

To achieve this, WSA will facilitate regular cross package planning meetings with all active Contractors. The purpose of these forums will be to identify when and where concurrent potential dust generating works may occur such that the cumulative impact of these works can be assessed and where possible mitigated or avoided. These forums would also involve look ahead planning sessions to highlight potential pending weather conditions that may require specific management measures. Such measures may include staggered scheduling of particular earthworks with interfacing packages during periods of elevated dust risk, the collaborative management of shared haul roads to ensure effective dust treatment or the pre-emptive use of polymers or dust binding agents in addition to the routine use of these controls.

A targeted WSA and Contractor inspection program will also be scheduled to assess the effectives of controls and the potential need to increase or augment mitigations measures to manage potential cumulative impacts.

For Sydney Metro works a formal Cumulative Impact Plan will be developed to allow for effective planning and management of air quality impacts from rail and airport construction activities. Refer to the CIP (WSA00-WSA-00400-EN-PLN-000013) for more details.

6.4. Environmental Risk Assessment

A risk assessment has been undertaken as part of the review and development of this CEMP and in accordance with the Environmental Aspects, Impact and Risk Procedure (Appendix G of the SEMF). The parts of the overall risk assessment relevant to Air Quality have been extracted and summarised in Table 12 and apply to all phases of works that the Construction Plan authorises.

The identification of construction activities and associated impacts that could eventuate during construction of the Project is central to the selection of appropriate environmental safeguards.

The risk management process involved an assessment of all specific Project activities/aspects in or near environmentally sensitive areas and resulted in the development of a list of environmental risks (aspects and impacts) and a corresponding risk mitigation strategy and risk ranking.

The identification of risks included a review of the works, and review of the environmental risks identified by the EIS. The mitigations in the risk assessment align with the EIS mitigation measures Table 28-11.



Table 12: Air Quality Risk Assessment

| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|---------------|---|--------------------------|---|---------------------------|--|-----------------------------------|---|
| 1 | BEC | Site | Site and delivery vehicles travelling on unsealed roads | Dust generation | Stakeholder complaints and dust on public roads | Low (8) | AQ_01 AQ_05 AQ_07 AQ_18 | Low (5) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Erosion and Sedimentation Control Plans (ESCPs) Environmental Control Map (ECM) |
| 2 | BEC | establishment | Topsoil stripping for compound footprint | Dust generation | Dust leaving site boundary into nearby environmental conservation zone | Low (9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_11 AQ_12 AQ_17 AQ_20 | Low (6) | Air Quality CEMP Aboriginal Cultural Heritage CEMP (Top Soil Management Protocol) Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|--------------------------------------|--|---|--|----------------------------------|---|-----------------------------------|---|
| 3 | BEC | | Construction and operation of compound buildings and amenities | Dust and waste generation | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone | Med (13) | AQ_01 AQ_05 AQ_07 AQ_18 AQ_22 AQ_24 AQ_25 AQ_26 AQ_27 AQ_32 AQ_33 | Low (9) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 4 | BEC | Site establishment (continued) | Delivery of heavy plant | Dust generation and sediment tracking | Dust on public roads | Low (9) | AQ_01 AQ_18 | Low (6) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 5 | BEC | | Spraying weeds | Chemical drift | Damage to nearby vegetation | Low (9) | AQ_01 AQ_02 AQ_17 | Low (6) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|--------------------------------------|--|---|--|----------------------------------|--|-----------------------------------|--|
| 6 | BEC | Site establishment (continued) | General waste handling | Dust and waste materials blowing through site | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone | Low (8) | AQ_01 AQ_08 AQ_16 | Low (5) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 7 | BEC | Earthworks | Constructing and Operating site access roads | Dust generation | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone | Med (17) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_11 AQ_12 AQ_17 AQ_18 AQ_20 AQ_21 AQ_22 AQ_22 AQ_28 AQ_29 | Low (9) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 8 | BEC | Earthworks (continued) | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Med (13) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_17 AQ_30 AQ_31 AQ_34 AQ_35 AQ_36 AQ_40 | Low (9) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM Dust Management and Vehicle and Equipment Emissions Plan |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|---------|-------------|--|--------------------------|---|---------------------------|---|----------------------------|--|
| 9 | BEC | | Bulk topsoil stripping | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Med (18) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_11 AQ_12 AQ_17 | Med (18) | Air Quality CEMP Aboriginal Cultural Heritage CEMP (Top Soil Management Protocol) Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 10 | BEC | Earthworks | Stockpiling materials | Dust generation | Dust from stockpile leaving site boundary into nearby environmental conservation zone or local roads | Med (18) | AQ_01 AQ_07 AQ_09 AQ_12 AQ_14 AQ_17 | Med (14) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 12 | BEC | (continued) | Slope or embankment creation / stabilisation processes | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Med (18) | AQ_01 AQ_07 AQ_09 AQ_12 AQ_17 | Med (14) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|--------------------------|--|--------------------------|---|---------------------------|---|-----------------------------------|---|
| 13 | BEC | | Potholing | Dust generation | Dust on public roads | Med (14) | AQ_01 AQ_05 AQ_07 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 14 | BEC | Utility - realignment | Trenching | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 15 | BEC | works | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Low (8) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_17 | Low (5) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 16 | BEC | | Bulk excavation / open excavations | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Med (18) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_13 AQ_17 | Med (14) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|--|--|--------------------------------|---|---------------------------|--|-----------------------------------|---|
| 17 | BEC | | Concrete sawing | Concrete dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_01 AQ_05 AQ_06 AQ_07 AQ_09 AQ_10 AQ_13 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 18 | Terminal | Terminal Construction Works - Typical | General education | Site requirements | Failure to follow site protocols | Low (9) | AQ_1 AQ_2 AQ_3 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 19 | Terminal | Terminal Construction Works - Typical | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Low (6) | AQ_1 AQ_30 AQ_31 AQ_34 AQ_35 AQ_36 AQ_38 AQ_39 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 20 | Terminal | Terminal Construction Works - Typical | Site and delivery vehicles travelling on unsealed roads | Dust generation | Stakeholder complaints and dust on public roads | Medium (13) | AQ_1 AQ_05 AQ_07 AQ_19 AQ_20 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 21 | Terminal | Terminal Construction Works - Typical | Subcontractor engagement / Commencement not following procedures | Dust generation | Stakeholder complaints and uncontrolled generation of dust | Low (9) | AQ_1 AQ_2 AQ_3 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|----------|--|--|---|--|---------------------------|--------------------------------|----------------------------|---|
| 22 | Terminal | Terminal Construction Works - Typical | Operation of Mobile Plant and Equipment | Dust generation | Dust on public roads from driving on unsealed pavements | Low (9) | AQ_1 AQ_20 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 23 | Terminal | Terminal Construction Works - Typical | Import of materials | Dust generation | Delivered pavement materials generate dust | Low (9) | AQ_1 AQ_8 AQ_14 AQ_16 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 24 | Terminal | Terminal Construction Works - Typical | Use and storage of hazardous Chemical / Materials / Fuels | Chemical drift | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 AQ_14 AQ_16 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 25 | Terminal | Terminal Construction Works - Typical | General waste handling | Dust and waste materials blowing through site | Stakeholder complaints and dust/waste leaving site boundary | Low (9) | AQ_1 AQ_8 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 26 | Terminal | Terminal Site Establishment | Installation of site shed & ablution blocks | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_5 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|--------------------------------|--|---------------------------------|---|---------------------------|-----------------------|-----------------------------------|---|
| 27 | Terminal | Terminal Site Establishment | Construction and operation of compound buildings and amenities | Dust and waste generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_8 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 28 | Terminal | Terminal Site Establishment | Minor investigation geotechnical test pits | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 29 | Terminal | Terminal Site Establishment | Construction of temporary roads and bridges | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 30 | Terminal | Terminal Site Establishment | Constructing and operating site access roads | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_23 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 31 | Terminal | Terminal Site Establishment | Installation of temporary Utilities | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_35 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|-------------------------|---|--------------------------|---|----------------------------------|--------------------------------|-----------------------------------|---|
| 32 | Terminal | Detailed Civil works | Detailed excavation including Trenching, footings and in ground tanks | Dust generation | Dust leaving site boundary into nearby sensitive receiver | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 33 | Terminal | Detailed Civil works | Detailed excavation including Trenching, footings and in ground tanks | Dust generation | Dust leaving site boundary into adjcent construction contractor areas | Low (9) | AQ_1 AQ_12 AQ_23 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 34 | Terminal | Detailed Civil works | Drilling Auger Piles | Dust generation | Dust from auger leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_1 AQ_09 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 35 | Terminal | Detailed Civil works | Stockpiling materials from auger works | Dust generation | Dust from stockpile leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_7 AQ_14 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 36 | Terminal | Detailed Civil works | Earth works - Back fill | Dust generation | Dust from earthworks leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 AQ_14 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|----------|---|--|--------------------------|---|---------------------------|-----------------------|----------------------------|---|
| 37 | Terminal | Detailed Civil works | Slope or embankment creation / stabilisation processes | Dust generation | Dust leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 38 | Terminal | Detailed Civil works | Use and storage of fuels | Chemical odour | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 39 | Terminal | Detailed Civil works | Material Storage / stockpiling activities | Dust generation | Dust from stockpile leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 40 | Terminal | Detailed Civil works | Undertaking concrete placement | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1 AQ_5 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 41 | Terminal | Installation of Aviation Fuel Ring Main | Detailed excavation and trenching | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ_1 AQ_5 AQ_12 | Low (9) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|---|--|--------------------------|---|---------------------------|--------------------------------------|-----------------------------------|---|
| 42 | Terminal | Installation of Aviation Fuel Ring Main | Undertaking Earth works and back fill operations | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ_1 AQ_5 AQ_12 | Low (9) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 43 | Terminal | Installation of Aviation Fuel Ring Main | Use and storage of fuels | Chemical Odour | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 44 | Terminal | Installation of Aviation Fuel Ring Main | Material Storage / stockpiling activities | Dust generation | Dust from stockpile leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 45 | Terminal | Structure - Terminal & TER Buildings | Undertaking concrete placement | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1 AQ_5 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 46 | Terminal | Structure - Terminal & TER Buildings | Undertaking Brick / Block Work cutting | Dust generation | Dust from cutting works leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_6 AQ_7 AQ_8 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|--|---|--------------------------|---|----------------------------------|--------------------------------------|-----------------------------------|---|
| 47 | Terminal | Structure - Terminal & TER Buildings | Drilling activites for the installation of the Façade | Dust generation | Dust from drilling works leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_6 AQ_7 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 48 | Terminal | Fit out works | Odour from Membrane activities | Chemical Odour | Stakeholder complaints and Air pollution from the membrane odour | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 49 | Terminal | Fit out works | Concrete Cutting, drilling and grindding works | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_1 AQ_5 AQ_6 AQ_7 AQ_8 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 50 | Terminal | Fit out works | Undertaking Brick / Block Work cutting | Dust generation | Dust from cutting works leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_6 AQ_7 AQ_8 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 51 | Terminal | Fit out works | Sanding gyprock & plaster boarding, | Dust generation | Stakeholder complaints and dust leaving the site boundry | Low (9) | AQ_1 AQ_5 AQ_6 AQ_7 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|----------|-------------------|---------------------------------|--------------------------|---|---------------------------|--|----------------------------|---|
| 52 | Terminal | Fit out works | Painting | Chemical Odour | Stakeholder complaints | Low (9) | AQ_1 AQ_5 AQ_7 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 53 | Terminal | External Works | Asphalt Road / Carpark Works | Dust generation | Dust leaving site boundary | Low (9) | AQ_1 AQ_19 AQ_21 AQ_24 AQ_25 AQ_26 AQ_27 AQ_28 AQ_29 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 54 | Terminal | External Works | Apron Works / Runway works | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1 AQ_19 AQ_21 AQ_24 AQ_25 AQ_26 AQ_27 AQ_28 AQ_29 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 55 | Terminal | External Works | Landscaping works | Dust generation | Dust from landscaping leaving site boundary into local roads | Low (9) | AQ_1 AQ_19 AQ_21 AQ_24 AQ_25 AQ_26 AQ_27 AQ_28 AQ_29 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|----------|-------------------|--|---------------------------------|--|---------------------------|--|----------------------------|---|
| 56 | Terminal | External Works | Loading and transport of materials | Dust generation | Stakeholder complaints and dust on public roads | Medium (17) | AQ15 AQ18 AQ21 AQ27 AQ28 AQ29 AQ34 AQ37 AQ38 AQ45 AQ51 AQ52 AQ53 | Low (6) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Erosion and Sedimentation Control Plans (ESCPs) Environmental Control Map (ECM) |
| 57 | Terminal | External Works | Storage of materials | Dust generation | Stakeholder complaints Dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ14 AQ15 AQ26 AQ41 AQ42 AQ43 AQ44 AQ45 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 58 | Terminal | External Works | Concrete Batching processes | Dust and waste generation | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ08 AQ09 AQ10 AQ17 AQ46 AQ47 AQ48 AQ49 AQ50 | Low (6) | Air Quality CEMP EWMS Complaints Procedure Induction ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------|-------------------|--|---|---|----------------------------------|--|-----------------------------------|--|
| 59 | Terminal | External Works | Emission of exhaust smoke from movement and operation of plant and equipment | Emissions | Stakeholder complaints Air pollution | Medium (17) | AQ30 AQ31 AQ32 AQ34 AQ35 AQ36 | Low (6) | Air Quality CEMP EWMS Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 60 | LCB | Civil Works | Operation of Mobile Plant and Equipment | Emissions | Air pollution and stakeholder complaints | Low (6) | AQ_01 AQ_30 AQ_31 AQ_34 AQ_35 AQ_36 AQ_38 AQ_39 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 61 | LCB | Civil Works | Operation of Mobile Plant and Equipment | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_05 AQ_07 AQ_13 AQ_20 AQ_22 AQ_22 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 62 | LCB | Civil Works | Import of materials | Dust Generation and Sediment Tracking | Air pollution / dust generation, tracking of material onto public roads and stakeholder complaints | Med (17) | AQ_01 AQ_05 AQ_07 AQ_17 AQ_18 AQ_19 AQ_20 AQ_21 | Low (9) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|-------------|--|--------------------------|---|---------------------------|--|-----------------------------------|--|
| | | | | | | | AQ_22 AQ_23 AQ_24 AQ_25 AQ_26 AQ_27 AQ_28 AQ_29 | | Community and Stakeholder Engagement Plan |
| 63 | LCB | Civil Works | Site establishment: Compound, Hardstands and access roads | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_05 AQ_07 AQ_20 AQ_22 AQ_28 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 64 | LCB | Civil Works | Stockpiling | Dust Generation | Air pollution / dust generation and stakeholder complaints | Med (13) | AQ_01 AQ_07 AQ_12 AQ_14 AQ_17 | Low (9) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 65 | LCB | Civil Works | Earthworks | Dust Generation | Air pollution / dust generation and stakeholder complaints | Med (13) | AQ_01 AQ_07 AQ_12 AQ_14 AQ_17 | Low (9) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|-------------|--|--------------------------|---|----------------------------------|---|-----------------------------------|--|
| | | | | | | | | | Community and Stakeholder Engagement Plan |
| 66 | LCB | Civil Works | Paving | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_07 AQ_12 AQ_14 AQ_17 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 67 | LCB | Civil Works | Paving | Odour | Odour generation and stakeholder complaints | Low (9) | AQ_01 | Low (6) | Air Quality CEMP EWMS Induction Complaints Procedure Community and Stakeholder Engagement Plan |
| 68 | LCB | Civil Works | Excavations and Trenching (Services and stormwater) | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_07 AQ_12 AQ_14 AQ_17 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 69 | LCB | Civil Works | Landscape installation | Dust Generation | Air pollution / dust generation and stakeholder complaints | Med (13) | AQ_01 AQ_07 AQ_12 AQ_14 AQ_17 | Low (9) | Air Quality CEMP Traffic and Access CEMP EWMS Induction |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|----------------|---|--------------------------|---|---------------------------|--|-----------------------------------|--|
| | | | | | | | | | Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 70 | LCB | Civil Works | Landscape maintenance (spraying) | Chemical drift | Odour generation and stakeholder complaints | Low (9) | AQ_01 AQ_02 | Low (6) | Air Quality CEMP EWMS Induction Complaints Procedure Community and Stakeholder Engagement Plan |
| 71 | LCB | Civil Works | Use and storage of hazardous chemicals / materials / fuels | Chemical drift | Odour generation, spills and stakeholder complaints | Low (9) | AQ_01 AQ_10 | Low (6) | Air Quality CEMP EWMS Induction Complaints Procedure Community and Stakeholder Engagement Plan |
| 72 | LCB | Building Works | Import of materials | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_05 AQ_07 AQ_17 AQ_18 AQ_19 AQ_20 AQ_21 AQ_22 AQ_23 AQ_23 AQ_24 AQ_25 AQ_25 AQ_26 AQ_27 AQ_28 AQ_29 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|---------|--|--|--------------------------|---|---------------------------|--|----------------------------|--|
| 73 | LCB | Building Works | Fit Out / Painting | Odour | Odour generation and stakeholder complaints | Low (9) | AQ_01 | Low (6) | Air Quality CEMP Complaints Procedure Induction |
| 74 | ACP | Utility Works | Trenching | Dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Low(9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_17 | Low (6) | Air Quality CEMP EWMS, Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 75 | ACP | General construction Civil Works | General construction Civil Works | Site requirements | Failure to follow site protocols | Low (9) | AQ_1 AQ_2 AQ_3 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 76 | ACP | General construction Civil Works | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Low(8) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_17 | Low (5) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 77 | ACP | General construction Civil Works | Loading and transport of materials | Dust generation | Stakeholder complaints and dust on public roads | Medium(17) | AQ_15 AQ_18 AQ_21 AQ_27 AQ_28 AQ_29 AQ_34 AQ_37 | Low (6) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure, |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|---------|--|--------------------------|---------------------------------|--|---------------------------|---|-----------------------------------|---|
| | | | | | | | AQ_38 AQ_45 AQ_51 AQ_52 AQ_53 | | Induction Area ESCPs ECM |
| 78 | ACP | General construction Civil Works | Use and storage of fuels | Chemical Odour | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 79 | ACP | General construction Civil Works | Import of materials | Dust generation | Delivered pavement materials generate dust | Low (9) | AQ_1 AQ_8 AQ_14 AQ_16 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 80 | ACP | Paving | Concrete sawing | Concrete dust generation | Dust leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_01 AQ_05 AQ_06 AQ_07 AQ_09 AQ_10 AQ_13 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 81 | ACP | Concrete/asph alt batch plant | Batching/processing | Dust and waste generation | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ_08 AQ_09 AQ_10 AQ_17 AQ_46 AQ_47 AQ_48 AQ_49 AQ_50 | Low (6) | Air Quality CEMP EWMS Complaints Procedure Induction ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-------------------------|--------------------------------------|--|--------------------------|--|---------------------------|--|-----------------------------------|---|
| 82 | ACP | Concrete/asph alt batch plant | Storage of materials | Dust generation | Stakeholder complaints Dust leaving site boundary into nearby environmental conservation zone or local roads | Medium (17) | AQ_14 AQ_15 AQ_26 AQ_41 AQ_42 AQ_43 AQ_44 AQ_45 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 83 | ACP | Asphalt | Asphalting | Chemical odour | Stakeholder complaints | Low (9) | AQ_1 AQ_5 AQ_7 | Low (6) | Air Quality CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 84 | M12 on Airport works | Site Establishment (continued) | Clearing and Grubbing (if required) | Dust generation | Dust leaving site boundary into nearby local roads | Medium (18) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_11 AQ_12 AQ_17 | Med (13) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 85 | M12 on Airport works | Site Establishment (continued) | Contamination investigations (if required) | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM Community and Stakeholder Engagement Plan |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-------------------------|--------------------------------------|---|---------------------------------|---|---------------------------|---|-----------------------------------|---|
| 86 | M12 on Airport works | Site Establishment (continued) | Earthworks to construct area for temporary buildings | Dust generation | Dust leaving site boundary into nearby local roads | Med (18) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_13 AQ_17 | Med (14) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 87 | M12 on Airport works | Site Establishment (continued) | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Low (8) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_17 | Low (5) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM Community and Stakeholder Engagement Plan |
| 88 | M12 on Airport works | Site Establishment (continued) | Installation of temporary buildings for compound, parking and amenities | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ_01 AQ_05 AQ_07 AQ_20 AQ_22 AQ_28 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 89 | M12 on Airport works | Site Establishment (continued) | Delivery materials to compound | Dust generation Emissions | Stakeholder complaints and dust on public roads | Low (8) | AQ_01 AQ_05 AQ_07 AQ_18 | Low (5) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-------------------------|--------------------------------------|---|--------------------------|--|----------------------------------|---|-----------------------------------|--|
| | | | | | | | | J | Traffic and Access CEMP Complaints Procedure Induction Erosion and Sedimentation Control Plans (ESCPs) Environmental Control Map (ECM) Community and Stakeholder Engagement Plan |
| 90 | M12 on Airport works | Site Establishment (continued) | Storage of hazardous Chemical / Materials / Fuels | Chemical odour | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 91 | M12 on Airport works | Utility Works | Potholing, trenching, underbore, relocation and installation of services | Dust generation | Dust leaving site boundary into nearby local roads | Low (9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 92 | M12 on Airport works | Earthworks and Drainage | Topsoil stripping | Dust generation | Dust leaving site boundary into nearby r local roads | Medium (18) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_11 AQ_12 AQ_17 | Med (13) | Air Quality CEMP Aboriginal Cultural Heritage CEMP (Top Soil Management Protocol) Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level | Mitigation measure | Risk level | Management tools |
|-----|-------------------------|---|--|---|--|----------------|--|-------------|---|
| | | | | | | mitigation | | mitigation | Complaints Procedure Induction Area ESCPs ECM |
| 93 | M12 on Airport works | Earthworks and Drainage (continued) | Stockpiling | Dust generation | Dust from stockpile leaving site boundary into nearby local roads | Medium (18) | AQ_01 AQ_07 AQ_09 AQ_12 AQ_14 AQ_17 | Med (13) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 94 | M12 on Airport works | Earthworks and Drainage (continued) | Import and export of materials from site | Dust generation | Stakeholder complaints and dust on public roads | Medium (13) | AQ_1 AQ_05 AQ_07 AQ_19 AQ_20 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 95 | M12 on Airport works | Earthworks and Drainage (continued) | Temporary waste storage | Dust and waste materials blowing through site | Stakeholder complaints and dust leaving site boundary into nearby environmental conservation zone | Low (8) | AQ_01 AQ_08 AQ_16 | Low (5) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM Community and Stakeholder Engagement Plan |
| 96 | M12 on Airport works | Earthworks and Drainage (continued) | Operation of plant and machinery | Emissions | Air pollution and stakeholder complaints | Low (8) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_17 | Low (5) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|-------------------------|---|---------------------|--------------------------|---|----------------------------------|--|----------------------------|--|
| | | | | | | | | | Complaints Procedure Induction Area ESCPs ECM |
| 97 | M12 on Airport works | Earthworks and Drainage (continued) | Spraying weeds | Chemical drift | Damage to nearby vegetation | Low (9) | AQ_01 AQ_02 AQ_17 | Low (6) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 98 | M12 on Airport works | Bridge Works | Piling | Dust generation | Dust leaving site boundary into nearby local roads | Low (9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 99 | M12 on Airport works | Bridge Works (continued) | Abutment earthworks | Dust generation | Dust from earthworks leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 AQ_14 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 100 | M12 on Airport works | Bridge Works (continued) | Concreting | Dust generation | Dust from earthworks leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 AQ_14 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|-------------------------|-------------------------------------|--|--------------------------|---|---------------------------|--|----------------------------|--|
| 101 | M12 on Airport works | Bridge Works (continued) | Delivery of bridge decks | Dust generation | Stakeholder complaints and dust on public roads | Medium (13) | AQ_1 AQ_05 AQ_07 AQ_19 AQ_20 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM Community and Stakeholder Engagement Plan |
| 102 | M12 on Airport works | Road Construction | Pavement, including paving machine, trucks and pumps | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ01 AQ07 AQ12 AQ14 AQ17 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 103 | M12 on Airport works | Road Construction (continued) | Concrete cutting, drilling and grinding works | Dust generation | Dust leaving site boundary into nearby local roads | Low (9) | AQ_01 AQ_05 AQ_06 AQ_07 AQ_09 AQ_10 AQ_13 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction, Area ESCPs, ECM |
| 104 | M12 on Airport works | Road Construction (continued) | Line marking | Chemical Odour | Stakeholder complaints | Low (9) | AQ_1 AQ_5 AQ_7 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level | Management tools |
|-----|-------------------------|--|--|--------------------------|--|----------------------------------|--|-------------|---|
| 105 | M12 on Airport works | Shared User Path Construction | Concreting, including trucks and pumps | Dust Generation | Air pollution / dust generation and stakeholder complaints | Low (9) | AQ01 AQ07 AQ12 AQ14 AQ17 | Low (6) | Air Quality CEMP Traffic and Access CEMP EWMS Induction Environmental Control Map (ECM) Complaints Procedure Community and Stakeholder Engagement Plan |
| 106 | M12 on Airport works | Landscaping and Stabilisation | Stockpiling | Dust generation | Dust from stockpile leaving site boundary into nearby local roads | Medium (17) | AQ_01 AQ_07 AQ_09 AQ_12 AQ_14 AQ_17 | Med (13) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 107 | M12 on Airport works | Landscaping and Stabilisation (continued) | Loading and transport of materials | Dust generation | Stakeholder complaints and dust on public roads | Medium (17) | AQ15 AQ18 AQ21 AQ27 AQ28 AQ29 AQ34 AQ37 AQ38 AQ45 AQ51 AQ52 AQ53 | Low (6) | Waste and Resources CEMP Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Erosion and Sedimentation Control Plans (ESCPs) Environmental Control Map (ECM) Community and Stakeholder Engagement Plan |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-------------------------|--|--|--------------------------|---|---------------------------|--|-----------------------------------|--|
| 108 | M12 on Airport works | Landscaping and Stabilisation (continued) | Spraying weeds | Chemical drift | Damage to nearby vegetation | Low (9) | AQ_01 AQ_02 AQ_17 | Low (6) | Air Quality CEMP Biodiversity CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction ESCPs ECM |
| 109 | Fuel Farm | Construction Works - Typical | General education | Site requirements | Failure to follow site protocols | Low (9) | AQ_1, AQ_2, AQ_3 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 110 | Fuel Farm | Construction Works - Typical | Use of heavy plant / multiple plant use | Emissions | Air pollution and stakeholder complaints | Low (6) | AQ_1, AQ_30, AQ_31, AQ_34, AQ_35, AQ_36, AQ_38, AQ_39 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 111 | Fuel Farm | Construction Works - Typical | Site and delivery vehicles travelling on unsealed roads | Dust generation | Stakeholder complaints and dust on public roads | Medium (13) | AQ_1, AQ_05, AQ_07, AQ_19, AQ_20 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 112 | Fuel Farm | Construction Works - Typical | Subcontractor engagement / Commencement not following procedures | Dust generation | Stakeholder complaints and uncontrolled generation of dust | Low (9) | AQ_1 AQ_2 AQ_3 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs - ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|-----------|------------------------------------|--|---|--|---------------------------|-----------------------------------|----------------------------|--|
| 113 | Fuel Farm | Construction Works - Typical | Operation of Mobile Plant and Equipment | Dust generation | Dust on public roads from driving on unsealed pavements | Low (9) | AQ_1 AQ_20 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 114 | Fuel Farm | Construction Works - Typical | Import of materials | Dust generation | Delivered pavement materials generate dust | Low (9) | AQ_1, AQ_8, AQ_14, AQ_16 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 115 | Fuel Farm | Construction Works - Typical | Use and storage of hazardous Chemical / Materials / Fuels | Chemical drift | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1, AQ_14, AQ_16 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs - ECM |
| 116 | Fuel Farm | Construction Works - Typical | General waste handling | Dust and waste materials blowing through site | Stakeholder complaints and dust/waste leaving site boundary | Low (9) | AQ_1 , AQ_8 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 117 | Fuel Farm | Site Establishment | Installation of site shed & ablution blocks | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1, AQ_5 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 118 | Fuel Farm | Site Establishment | Construction and operation of compound buildings and amenities | Dust and waste generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1, AQ_8 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|-----------|-------------------------|---|--------------------------|---|---------------------------|--------------------------|----------------------------|--|
| | | | | | | | | | Induction ESCPs ECM |
| 119 | Fuel Farm | Site Establishment | Minor investigation geotechnical test pits | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 120 | Fuel Farm | Site Establishment | Construction of temporary roads and access | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_12 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 121 | Fuel Farm | Site Establishment | Constructing and operating site access roads | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_23 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 122 | Fuel Farm | Site Establishment | Installation of temporary Utilities | Dust generation | Stakeholder complaints and dust leaving site boundary | Low (9) | AQ_1 AQ_35 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 123 | Fuel Farm | Detailed Civil Works | Detailed excavation including Trenching, footings and in ground tanks | Dust generation | Dust leaving site boundary into adjacent construction contractor areas | Low (9) | AQ_1, AQ_12, AQ_23 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-----------|-------------------------|--|--------------------------|---|---------------------------|-------------------------------|-----------------------------------|--|
| 124 | Fuel Farm | Detailed Civil Works | Drilling Auger Piles | Dust generation | Dust from auger leaving site boundary into nearby environmental conservation zone or local roads | Low (9) | AQ_1, AQ_09, AQ_12 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 125 | Fuel Farm | Detailed Civil Works | Stockpiling materials from auger works | Dust generation | Dust from stockpile leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_7 AQ_14 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 126 | Fuel Farm | Detailed Civil Works | Earth works - Back fill | Dust generation | Dust from earthworks leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_7 AQ_14 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 127 | Fuel Farm | Detailed Civil Works | Slope or embankment creation / stabilisation processes | Dust generation | Dust leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 128 | Fuel Farm | Detailed Civil Works | Use and storage of fuels | Chemical odour | Air pollution from the incorrect storage of chemicals | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 129 | Fuel Farm | Detailed Civil Works | Material Storage / stockpiling activities | Dust generation | Dust from stockpile leaving site boundary into local roads | Low (9) | AQ_1 AQ_5 AQ_12 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|-----------|-------------------------|--|--------------------------|--|---------------------------|---|----------------------------|--|
| | | | | | | | | | Complaints Procedure Induction ESCPs ECM |
| 130 | Fuel Farm | Detailed Civil Works | Undertaking concrete placement | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1 AQ_5 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 131 | Fuel Farm | Structure | Undertaking concrete placement | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1 AQ_5 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 132 | Fuel Farm | Structure | Undertaking Brick / Block Work cutting | Dust generation | Dust from cutting works leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_6, AQ_7 AQ_8 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 133 | Fuel Farm | Structure | Drilling activities for the installation of the Façade | Dust generation | Dust from drilling works leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_6, AQ_7 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 134 | Fuel Farm | External Works | Asphalt Road / Carpark Works | Dust generation | Dust leaving site boundary | Low (9) | AQ_1, AQ_19, AQ_21, AQ_24, AQ_25, AQ_26, | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre- mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|-----------|---------------------------|-------------------------------|--------------------------|---|----------------------------------|---|-----------------------------------|--|
| | | | | | | | AQ_27, AQ_28, AQ_29 | | ECM |
| 135 | Fuel Farm | External Works | Apron Works / Runway works | Dust generation | Dust from concrete works leaving site boundary | Low (9) | AQ_1, AQ_19, AQ_21, AQ_24, AQ_25, AQ_26, AQ_27, AQ_28, AQ_29 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 136 | Fuel Farm | External Works | Landscaping works | Dust generation | Dust from landscaping leaving site boundary into local roads | Low (9) | AQ_1, AQ_19, AQ_21, AQ_24, AQ_25, AQ_26, AQ_27, AQ_28, AQ_29 | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 137 | Fuel Farm | Detailed Excavation | Detailed Excavation | Dust Generation | Stakeholder complaints and dust/waste leaving site boundary | Low (9) | AQ_1 AQ_5 AQ_7, AQ_10, AQ_12, AQ_25, AQ_30, AQ_34, AQ_35, AQ_36, AQ_39, | Low (6) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs ECM |
| 138 | Fuel Farm | Welding of Steel Tanks | Structure | Air Contaminati on | Community Disturbance | Medium (18) | AQ_1 AQ_41 | Low (10) | Air Quality CEMP Traffic Access CEMP EWMS Complaints Procedure Induction ESCPs - ECM |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post-mitigation | Management tools |
|-----|--|-------------|---|--|--|---------------------------|--|----------------------------|---|
| 139 | Construction of Permanent Utilities and Ancillary buildings | Civil works | Import of materials | Dust generation | Delivered pavement materials generate dust | Low (9) | AQ_1 AQ_8 AQ_14 AQ_16 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 140 | Construction of Permanent Utilities and Ancillary buildings | Civil works | Earthworks, Building and Utility infrastructure construction | Dust generation | Dust generation | Low (9) | AQ_1 AQ_2 AQ_3 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 141 | Construction of Permanent Utilities and Ancillary buildings | Civil works | Earthworks, Building and Utility infrastructure construction | Storage of hazardous Chemical / Materials / Fuels | Chemical odour | Low (9) | AQ_1 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 142 | Construction of Permanent Utilities and Ancillary buildings | Civil works | Earthworks, Building and Utility infrastructure construction | Potholing, trenching, underbore, relocation and installation of services | Dust generation | Low (9) | AQ_01 AQ_05 AQ_07 AQ_09 AQ_12 AQ_17 | Low (6) | Air Quality CEMP EWMS Soil and Water CEMP Traffic and Access CEMP Complaints Procedure Induction Area ESCPs ECM |
| 143 | Combined Packages | Civil works | Earthworks including crushing, screening and stockpile management | Dust generation | Combined dust generated results in exceedances or complaints | Med (18) | AQ_01 AQ_04 AQ_07 AQ_12 AQ_15 AQ_17 | Low (10) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP |



| Ref | Package | Activity | Construction Aspect | Environment al Aspect | Potential Impact | Risk level pre-mitigation | Mitigation measure | Risk level post- mitigation | Management tools |
|-----|----------------------|-------------------|--|--------------------------|--|---------------------------|--|-----------------------------------|---|
| | | | | | | | AQ_58 AQ_62 | | ECM |
| 144 | Combined Packages | Civil works | Earthworks including topsoil placement and | Dust generation | Delays to program due to having to halt work | Low (9) | AQ_01 AQ_04 AQ_07 AQ_12 AQ_15 AQ_17 AQ_58 AQ_62 | Low (6) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |
| 145 | Combined Packages | Shared haul roads | Management of shared haul roads | Dust generation | Combined dust generated results in exceedances or complaints | Med (18) | AQ 01 AQ 04 AQ 05 AQ 18 AQ 20 AQ 21 AQ 22 AQ 23 AQ 23 AQ 24 AQ 26 AQ 27 | Low (10) | Air Quality CEMP Traffic & Access CEMP EWMS Complaints Procedure Induction ESCP ECM |



7. Environmental Control Measures

Mitigation and management measures that will be implemented during construction to address impacts to air quality issues are detailed in Table 13 and are consistent with those provided in Tables 28-10 and 28-11 in Chapter 28 of the EIS, as per Condition 10 (Section 3.11.2) of the Airport Plan.

The relevant control measures will be included in the site-specific Environmental Work Method Statement (EWMS) and Environmental Control Map (ECM) – refer to Section 4.3 of the SEMF for further detail.

Table 13: Environmental Control Measures

| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|-----------|---|-------------------------------|--|-----------------------------------|--------------------|
| BEC: Bulk | k Earthworks Contract MI: Material Imp | portation All Contractors: | BEC, MI, TSS, ACP, LCB, M12, Utilitie | es and other contractors as deleg | gated by WSA |
| GENERAL | - | | | | |
| AQ_01 | Training will be provided to all project personnel, including relevant subcontractors on sound air quality control practices and the requirements from this Plan through inductions, toolboxes and targeted training. | Pre-construction Construction | All personnel will be inducted before commencing works. | All Contractors | Good Practice |
| AQ_02 | The application of pesticides will be modified, reduced or controlled during high or unfavourable wind conditions where wind can carry pesticides outside of the defined treatment area. | Construction | Meteorological information will be used to assess wind conditions. | All Contractors | Good Practice |
| AQ_03 | Ensure there is no burning of any materials on site. | Construction | All personnel will be inducted before commencing works. | All Contractors | Good Practice |
| DUST MA | NAGEMENT | | | | |
| AQ_04 | Dust management measures will be implemented to mitigate the impacts of dust during construction: | Pre-construction Construction | Dust Management and Vehicle and Equipment Emissions Plan (Appendix A) ECM to include dust management details for specific activities/areas. All personnel will be inducted and provided with ongoing training. | All Contractors | EIS Table 28-11 |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|---------|--|-------------------------------|---|--------------------------|---------------------|
| BEC: Bu | lk Earthworks Contract MI: Material Im | portation All Contractor | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors | as delegated by WSA |
| AQ_05 | Avoiding site run-off of water or mud to reduce the potential for track-out dust emissions. | Pre-construction Construction | ECM to include access/egress controls All personnel will be inducted and provided with ongoing training. | All Contractors | EIS Table 28-11 |
| AQ_06 | Only using cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays. | Pre-construction Construction | Construction equipment will be scheduled prior to undertaking the works. | All Contractors | EIS Table 28-11 |
| AQ_07 | Ensuring adequate water will be made available on the site for effective dust and particulate matter suppression and mitigation, using non-potable water where possible. | Pre-construction Construction | Non-potable water sources will primarily be used to meet this requirement. Non-potable water sources will include stormwater runoff captured in sediment dams or existing dams on site or through agreement from adjacent landowners. Options to use Sydney Water recycled water are being investigated. However, potable water may be supplied from existing assets operated by Sydney Water. Groundwater is not currently proposed to be utilise as a water source. Refer to the Soil and Water Management Plan. | All Contractors | EIS Table 28-11 |
| AQ_08 | Using enclosed chutes and conveyors and covered skips where appropriate. | Pre-construction Construction | Where applicable, select appropriate plant/equipment to minimise dust generation. All personnel will be inducted and provided with ongoing training. | All Contractors | EIS Table 28-11 |
| AQ_09 | Minimising drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment, and | Pre-construction Construction | Where applicable, select appropriate plant/equipment to minimise dust generation while moving spoil. | All Contractors | EIS Table 28-11 |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|---|-------------------------------|--|----------------------------|--------------------|
| BEC: Bul | lk Earthworks Contract MI: Material Im | portation All Contractors | s: BEC, MI, TSS, ACP, LCB, M12, Utilitic | es and other contractors a | s delegated by WSA |
| | using fine water sprays on such equipment wherever appropriate. | | All personnel will be inducted and provided with ongoing training. | | |
| AQ_10 | Making equipment readily available on- site to clean up spillages as soon as reasonably practicable after the event | Pre-construction Construction | Equipment will be stocked at different locations across the site. It will be restocked as it is used. | All Contractors | EIS Table 28-11 |
| DUST IMI | PACTS FROM EARTHWORKS | | | | · |
| AQ_11 | Vegetation clearing will be staged where possible to minimise the area and time that surfaces are exposed. Minimise stockpiling of material. Stockpiles will be located away from sensitive receivers where practicable. | Pre-construction Construction | Vegetation clearing will be scheduled ahead of time and will be done in combination with the location of sensitive receivers. Appendix A - Dust management and vehicle and equipment emissions Plan | All Contractors | EIS Table 28-11 |
| AQ_12 | Exposed surfaces with no scheduled work will be treated to minimise dust generation. Exposed surfaces will be stabilised progressively using the most practical site-specific methods, including watering and geo-fabrics for short-term exposure and emulation spray, spray grass, soil compaction and revegetation for longer term exposed areas or final finishes. Revegetate earthworks and exposed areas or soil stockpiles as soon as practical. | Pre-construction Construction | Surface treatment details to be included on the ECM for the work. This could include the use of hessian, mulches or tackifiers to cover exposed areas as soon as possible after completion of earthworks where it is not possible to re-vegetate or cover with topsoil. Temporary areas that are not disturbed or used (>10 days) are to be stabilised to managed dust. All personnel will be inducted and provided with ongoing training. Appendix A - Dust management and vehicle and equipment emissions Plan | All Contractors | EIS Table 28-11 |
| DUST IMI | PACTS FROM OTHER MAIN CONSTRUCTION | ON WORKS | | | |
| AQ_13 | Avoiding scabbling (roughening of concrete surfaces) where practicable. | Pre-construction Construction | Construction works will be scheduled ahead of undertaking the works. | All Contractors | EIS Table 28-11 |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|--|-------------------------------|---|-----------------------------|--------------------|
| BEC: Bul | lk Earthworks Contract MI: Material Im | portation All Contractors | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors as | delegated by WSA |
| AQ_14 | Storing sand and other aggregates in bunded areas and not allowing them to dry out unless required for purposes. | Pre-construction Construction | Storage areas will be determined in combination with the site layout design and documented on the ECM | All Contractors | EIS Table 28-11 |
| AQ_15 | Delivering bulk cement and other fine powder materials in enclosed tankers and storing them in silos with suitable emission control systems to prevent escape of material and overfilling during delivery. | Pre-construction Construction | Deliveries will be organised and scheduled ahead of time. Training will be provided to all drivers and delivery personnel. | All Contractors | EIS Table 28-11 |
| AQ_16 | Sealing and appropriately storing bags of any fine powder materials. | Pre-construction Construction | Storage and handling will be documented on the ECM. All personnel will be inducted and provided with ongoing training. | All Contractors | EIS Table 28-11 |
| AQ_17 | Construction activities will be modified, reduced or controlled during high or unfavourable wind conditions if they have a potential to increase off-site dust generation. | Construction | Meteorological conditions will be continuously monitored. | All Contractors | Good practice |
| DUST TR | ACK OUT | | | | |
| AQ_18 | Using water-assisted dust sweeper(s) on the access and local roads to remove, as necessary, any material tracked out of the site. This may require the sweeper to be continuously in use. | Construction | Access roads and sweeper requirements documented on the ECM. All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | EIS Table 28-11 |
| AQ_19 | Avoiding dry sweeping of large areas. | Construction | All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | EIS Table 28-11 |
| AQ_20 | Sealing high use haul roads and regularly inspecting and making necessary repairs to the surface as soon as reasonably practicable. | Construction | Haul roads and maintenance requirements documented as applicable on the ECM. | All Contractors | EIS Table 28-11 |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|---------|---|--------------------------|--|----------------------------|--------------------|
| BEC: Bu | ılk Earthworks Contract MI: Material Im | portation All Contractor | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors a | s delegated by WSA |
| | | | All personnel will undertake inductions and reiterated through ongoing site training. | | |
| AQ_21 | Recording all inspections of haul routes and any subsequent action in a site log book. | Construction | Recorded in site diary. All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | EIS Table 28-11 |
| AQ_22 | Regularly cleaning and damping down hard surfaced haul routes with fixed or mobile sprinkler systems or mobile water bowsers. | Construction | Haul roads/surfaces and maintenance requirements documented as applicable on the ECM. All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | EIS Table 28-11 |
| AQ_23 | Implementing a wheel washing system (with rumble grids to dislodge accumulated dust and mud) prior to leaving the site. | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | All Contractors | EIS Table 28-11 |
| AQ_24 | Providing an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits. | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | All Contractors | EIS Table 28-11 |
| AQ_25 | Locating site access points as far as practicable from sensitive receptors. | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | All Contractors | EIS Table 28-11 |
| AQ_26 | Hardstand areas and surrounding public roads will be cleaned, as required, using methods including brooms, bobcat attachments or street sweepers. | Construction | Maintenance requirements will be shown on relevant ECMs. All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | Good practice |
| AQ_27 | Measures implemented to minimise dust, soil or mud from being deposited by vehicles on public roads. This will be | Construction | Applicable management measures will be shown on ECMs. | All Contractors | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|--|--------------------------|--|----------------------------|---------------------|
| BEC: Bul | ik Earthworks Contract MI: Material Im | portation All Contractor | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors a | as delegated by WSA |
| | achieved by implementing mitigation measures such as stabilised site access (rumble grids, concrete and/or large aggregate) at entry/exit points. Manual cleaning will also be carried out where appropriate. In the event of any spillage or tracking, the spilt material will be removed immediately and in accordance with the environmental incident classification and reporting procedure. | | All personnel will undertake inductions and reiterated through ongoing site training. | | |
| AQ_28 | Vehicle movement will be confined to designated haul roads and areas. These roads will have speed limits of 40 km/h in order to reduce dust generation. Reduced speed limit may be implemented where dust generation persists. | Construction | A traffic management plan will be prepared to comply with this. | All Contractors | Good Practice |
| AQ_29 | All loaded haulage trucks will be covered where there is a risk of release of dust or other materials on public roads. | Construction | All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | Good Practice |
| VEHICLE | AND EQUIPMENT EMISSIONS | | • | | |
| AQ_30 | All vehicles will be switched off when not in operation. Where practical lower vibration generating items of excavation plant and equipment shall be used. | Construction | Dust Management and Vehicle and Equipment Emissions Plan (Appendix A) All personnel will undertake inductions and reiterated through ongoing site training. | All Contractors | EIS Table 28-11 |
| AQ_31 | Engines of plant parked next to residents will be switched off when not in operation. | Construction | Dust Management and Vehicle and Equipment Emissions Plan (Appendix A). | All Contractors | EIS Table 28-11 |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|---------|--|--------------------------|--|----------------------------|--------------------|
| BEC: Bu | Ik Earthworks Contract MI: Material Im | portation All Contractor | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors a | s delegated by WSA |
| | | | All personnel will undertake inductions and reiterated through ongoing site training. | | |
| AQ_32 | Avoid the use of diesel- or petrol- powered generators and instead use mains electricity or battery powered equipment, where practicable. | Construction | Dust Management and Vehicle and Equipment Emissions Plan (Appendix A). Construction equipment will be ordered before the works are to be undertaken to ensure the appropriate equipment is available. | All Contractors | EIS Table 28-11 |
| AQ_33 | Implement measures to support and encourage sustainable travel for construction workers to and from the airport site, including public transport, shuttle busses, cycling, walking, and car-sharing. | Construction | Induction training Tool box talks to encourage sustainable travel to and from the site. | All Contractors | EIS Table 28-11 |
| AQ_34 | Daily monitoring of vehicle and plant is to be undertaken as a pre-start inspection. | Construction | Before any vehicles / plant enter the construction site, they must provide confirmation of their daily pre-start inspection. | All Contractors | Good Practice |
| AQ_35 | Exhaust systems of construction plant, vehicles and machinery will be maintained in accordance with manufacturer's specifications to ensure that excessive visible exhaust emissions do not persist under normal operational loads of the plant and machinery. | Construction | Before any vehicles / plant enter the construction site, they have to provide confirmation of their daily pre-start inspection. | All Contractors | Good Practice |
| AQ_36 | Periodic visual checks will be undertaken to ensure ongoing compliance, typically weekly. Where practicable, vehicles will be fitted with pollution reduction devices | Construction | Before any vehicles / plant enter the construction site, they must provide confirmation of their daily pre-start inspection. | All Contractors | Good Practice |
| AQ_37 | Material brought to site will be in bulk from the suppliers, where practicable. | Construction | Construction material will be ordered before the works are to be | All Contractors | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|--|--------------------------|--|----------------------------|----------------------|
| BEC: Bul | lk Earthworks Contract MI: Material Im | portation All Contractor | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors a | as delegated by WSA |
| | | | undertaken to ensure the appropriate equipment is available. | | |
| AQ_38 | Material will be sourced from local suppliers, where practicable. | Construction | Material will be ordered before the works are to be undertaken to ensure the local suppliers are available. | All Contractors | Good Practice |
| AQ_39 | No use of ozone-depleting substances is to occur. | Construction | Procurement processes and checks during inspections. Ensure that the relevant providers of goods and services do not use ozone depleting substances. | All Contractors | Legal requirement |
| AQ_40 | Develop and implement a construction logistics plan to manage the sustainable delivery of goods and materials to the airport site. | Construction | Construction Logistics Plan | All Contractors | EIS Table 28-11 |
| APRON P | PAVEMENT PRODUCTION - MATERIAL ST | OCKPILES | | | |
| AQ_41 | Aggregates to be bulk stored in bays/bunkers with a design that minimises windblown dust and particulate matter. Stockpile areas will have barriers installed accordingly. | Construction | Storage areas will be determined in combination with the site layout design and documented on the ECM | Terminal | Good Practice |
| AQ_42 | Material will be kept inside of the open ends of any bays/bunkers at a distance that minimises dust generation and windblown particulate matter (i.e. a minimum of 0.5m) | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | Terminal | Good Practice |
| AQ_43 | Where temporary holding of aggregate occurs (e.g. conveyor transfer points, overhead storage hoppers) these holding bins will be enclosed by a minimum of three walls | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | Terminal | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|---|---------------------------|--|--|------------------|
| BEC: Bul | k Earthworks Contract MI: Material Im | portation All Contractors | s: BEC, MI, TSS, ACP, LCB, M12, Utilitic | es and other contractors as dele | egated by WSA |
| AQ_44 | Minimal volumes of materials will be stockpiled if the site will be unattended for an extended period of time to eliminate the risk of dust generation | Construction | Information will be provided in inductions and reiterated through ongoing site toolboxes and training. | Terminal | Good Practice |
| AQ_45 | Sand and aggregates will be delivered and dumped in such a way to minimise dust generation. Stockpile locations to be in close proximity of plant to minimise transfer distance. Water to be added to loads (as req) to assist with dust minimisation during the tipping process. | Construction | All personnel will undertake delivery driver inductions and reiterated through ongoing site supervision. | Terminal | Good Practice |
| APRON P | PAVEMENT PRODUCTION – BATCH PLANT | OPERATION | | | _ |
| AQ_46 | Cement silos, hatches, inspection points and duct work for all equipment to be rain and dust-tight. | Construction | Before plant mobilises to construction site, contractor must provide confirmation of compliance. | Terminal | Good Practice |
| AQ_47 | Machinery /piping /ducting that will come into contact with cementitious material is to be designed to withstand long term exposure to this material. | Construction | Before plant mobilises to construction site, contractor must provide confirmation of compliance. | Terminal All contractors with relevant scope | Good Practice |
| AQ_48 | Failsafe systems installed to stop the flow of cement/fly ash in an emergency. | Construction | Before plant mobilises to construction site, contractor must provide confirmation of compliance. | Terminal All contractors with relevant scope | Good Practice |
| AQ_49 | All emergencies overfill or high level equipment/systems maintained, regularly tested and operational at all times. | Construction | Before plant mobilises to construction site, contractor must provide confirmation of compliance. | Terminal All contractors with relevant scope | Good Practice |
| AQ_50 | Daily checklists completed prior to starting of the plants for checking the belts, silo and water flow. Regular maintenance is also conducted on the batch plant and pug mill on days the plant is not producing. | Construction | Daily pre-start inspection checklist | Terminal All contractors with relevant scope | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|---|---------------------------|---|--|------------------|
| BEC: Bul | lk Earthworks Contract MI: Material Im | portation All Contractors | s: BEC, MI, TSS, ACP, LCB, M12, Utiliti | es and other contractors as dele | egated by WSA |
| AQ_51 | The access track and material delivery area are sealed, therefore there is no risk of mud being tracked onto the road network from delivery trucks. Access track and sealed roads will be maintained using the road sweeper and watercarts. | Construction | Access roads and sweeper requirements documented on the ECM. All personnel will undertake inductions and reiterated through ongoing site training. | Terminal All contractors with relevant scope | Good Practice |
| AQ_52 | BMD to continually monitor the PPZ area particularly during high wind events for any potential dust periods. Potential areas of dust generation will be addressed with a watercart. | Construction | Routine inspections. All personnel will undertake inductions and reiterated through ongoing site training. | Terminal All contractors with relevant scope | Good Practice |
| AQ_53 | Posted Speed limits of 40KM/HR in the PPZ delivery zones and 20KM/hr speed zones in and around the batch plant and pug mill to be enforced. | Construction | Implementation of Vehicle Management Plan All personnel will undertake inductions and reiterated through ongoing site training. | Terminal All contractors with relevant scope | Good Practice |
| ACP | | | | | • |
| AQ_54 | Sprayers/misters would be provided on aggregate storage bins to minimise dust generation | Construction | Sprayer / misters to be installed on aggregate storage bins as required by ECM. | ACP All contractors with relevant scope | Good Practice |
| AQ_55 | Batch plant would have filters fitted to cement silos | Construction | Filters to be installed before plant becomes operational. | ACP All contractors with relevant scope | Good Practice |
| AQ_56 | Minimise disturbance areas of revegetated/landscaped areas by previous contractors | Construction | This will be determined in combination with the site design layout and detailed on the ECM. | ACP All contractors with relevant scope | Good Practice |
| AQ_57 | Seal construction access roads for all high-volume movements with construction site speed limits set | Construction | Haul roads/surfaces and maintenance requirements documented as applicable on the ECM. | ACP All contractors with relevant scope | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference |
|----------|--|---------------------------|--|---|------------------|
| BEC: Bul | k Earthworks Contract MI: Material Im | portation All Contractors | s: BEC, MI, TSS, ACP, LCB, M12, Utilit | ies and other contractors as dele | egated by WSA |
| | | | All personnel will undertake inductions and reiterated through ongoing site training | | |
| AQ_58 | Ensure adequate resourcing of construction water carts for supply of dust suppression and earthworks water throughout construction, focused on using captured stormwater from within temporary construction basins and/or modified detention basins | Construction | Construction Management Plan Site inspection Air quality monitoring | ACP All contractors with relevant scope | Good Practice |
| AQ_59 | Capture cementitious run off within batch plant footprints and pugmills for re-use in dust suppression on access roads and stockpiles | Construction | This will be determined in combination with the site design layout and detailed on the ECM. Dewatering Permit | ACP All contractors with relevant scope | Good Practice |
| AQ_60 | Develop and implement specific Environmental Work Method Statements (EWMS) for the establishment and operation of concrete batch plants, pugmills and asphalt batch plants with specific controls for the management of cement and other dust generating materials | Construction | Approval and implementation of EWMS | ACP All contractors with relevant scope | Good Practice |
| AQ_61 | Establish and operate asphalt batch plants in accordance with an approved EWMS with specific control measures to protect air quality, e.g. cyclone and baghouse/scrubbers | Construction | Construction Management Plan Site inspection | ACP All contractors with relevant scope | Good Practice |
| AQ_62 | Apply an environmental monitoring framework consistent with the requirements of the Airports (Environment Protection) Regulations 1997 (AEPR) and the prescribed plans. | Construction | ACP CEMF and EWMS Monthly Report | ACP All contractors with relevant scope | Good Practice |



| ID | Measure / Requirement | When to implement | How to implement | Responsibility | Reference | | | |
|-----------|--|-------------------|------------------|---|------------------|--|--|--|
| BEC: Bulk | BEC: Bulk Earthworks Contract MI: Material Importation All Contractors: BEC, MI, TSS, ACP, LCB, M12, Utilities and other contractors as delegated by WSA | | | | | | | |
| WELDING | WELDING | | | | | | | |
| AQ_63 | Exhaust fans will be directed away from the community and will be directed to well ventilated areas | Construction | EWMS | Fuel Farm and Fuel Ring Main Contractors All contractors with relevant scope | Good Practice | | | |



8. Air Quality Management

All Contractors must:

- Plan and carry out all its construction activities to avoid where practicable, the generation of dust and vehicle emissions. Contractor must employ reasonably practicable measures to minimise the emission of dust and other air pollutants during the Contractor's Activities; and
- Employ reasonably practicable construction methods / measures that will keep the air pollution, including dust to a minimum.

8.1. Air Quality Criteria

The air quality criteria applicable for use as identified in the EIS are principally those defined in the NSW EPA Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales, which accounts for various pollutant criteria and averaging period from multiple sources, including the NEPM-AAQ and NERDDC. They are summarised in Table 14. Where relevant, AEPR criteria is also listed.

Table 14: Air Quality Monitoring Criteria Applicable to the Airport

| Pollutant | Criterion ^(a) | Averaging period | Source |
|---|---------------------------|------------------|-----------------------|
| Total suspended particulate matter (TSP) | 90 μg/m³ | 1 year | NSW EPA, AEPR |
| Particulate matter < 10 μm (PM ₁₀₎ | 50 μg/m³ | 24 hours(c) | NSW EPA, NEPM- AAQ |
| | 25 μg/m ³ | 1 year | NSW EPA, NEPM- AAQ |
| Particulate matter < 2.5 µm | 25 μg/m ³ | 24 hours | NEPM-AAQ |
| (PM _{2.5}) | 20 μg/m³ (by 2025) | 24 hours | NEPM-AAQ |
| | 8 μg/m³ | 1 year | NEPM-AAQ |
| | 7 μg/m³ (by 2025) | 1 year | NEPM-AAQ |
| Deposited dust – Incremental | 2 g/m ² /month | Annual | NERDDC |
| Deposited dust – Cumulative | 4 g/m ² /month | Annual | NERDDC |

ppm = parts per million; pphm = parts per hundred million; μ g/m³ = micrograms per cubic metre; mg/m³ = milligrams per cubic metre.

NERDDC 1988, Air Pollution from Surface Coal Mining: Measurement, Modelling and Community Perception, Project No. 921, National Energy Research Development and Demonstration Council, Canberra

Any verified exceedance of the above criteria will be reported to the Infrastructure Department in accordance with Section 10.4.

8.2. Earthworks

The EIS predicted dust impacts during earthworks will be at or below the air quality assessment criteria for each of the reported air quality parameters, both incrementally as a result of the Project, and cumulatively when assessed with background concentrations and modelled inputs of other projects. The assessment found that while the predicted concentrations remain low at all offsite residential receptors, the nature of the plume spread for the 24-hour and annual averaging periods is highest to the north-east and south-west of the Airport Site, consistent with the prevailing winds measured at Badgerys Creek.

Refer to Appendix A Dust Management and Vehicle and Equipment Emissions Plan for more information.



8.3. TSS Works

The EIS predicted dust impacts during the construction of the Terminal and Specialty Services (TSS) Works are forecast to be below the air quality assessment criteria for each of the reported air quality parameters. Dust impacts would be below the assessment criteria for both incremental impacts as a result of the project and cumulative impacts when assessed with the background concentrations and modelled inputs of adjacent projects.

Refer to Appendix A Dust Management and Vehicle and Equipment Emissions Plan for more information.

8.4. LCB Works

The EIS assessed predicted dust impacts during bulk earthworks and construction of aviation infrastructure. The LCB Works are included within the construction of aviation infrastructure. The EIS predicted dust impacts during this construction phase to be below the air quality assessment criteria for each of the reported air quality parameters. Dust impacts would be below the assessment criteria for both incremental impacts as a result of the project and cumulative impacts when assessed with the background concentrations and modelled inputs of adjacent projects.

Refer to Appendix A Dust Management and Vehicle and Equipment Emissions Plan for more information.

8.5. ACP Works

The EIS predicted dust impacts during the construction of the ACP Works are forecast to be below the air quality assessment criteria for each of the reported air quality parameters. Dust impacts would be below the assessment criteria for both incremental impacts as a result of the project and cumulative impacts when assessed with the background concentrations and modelled inputs of adjacent projects.

Refer to Appendix A Dust Management and Vehicle and Equipment Emissions Plan for more information.

The EIS also reported that odour from the asphalt plant would be below the relevant criteria at all sensitive residential receptors. The contour plot in Figure G-17 (Vol 4 Appendix F of the EIS) shows that the highest odour concentrations would largely be limited within the Airport Site. The two odour unit contour (which is the adopted impact assessment criterion) spreads outside of the Airport Site a short distance to the north. This area is currently unoccupied and therefore it is expected that there would be no adverse odour impacts to sensitive receptors from the asphalt batching plant.

8.6. M12 on Airport Works

Works are included within the construction of aviation infrastructure and are expected to have negligible impact to overall air quality. Standard measures such as use of water carts and stabilisation of areas not being worked for greater than 10 days will be sufficient to manage any potential impacts.



8.7. Construction Greenhouse Gas Emissions

The EIS reported that the two main sources of greenhouse gas emissions will be the operation of construction equipment and vegetation clearing. Greenhouse gas emissions generated during construction of the Stage 1 Airport Development are presented below in Tables 15-19. As above, the greenhouse gas emissions calculations were based on the entire scope of construction activities.

Table 15: Summary of greenhouse gas emissions for Bulk Earthworks

| Scope | Source | Fuel type | Quantity | Emissions (t CO ₂ -e) |
|-------|-----------------------|-----------|----------|----------------------------------|
| 1 | Earthmoving Equipment | Diesel | 35 ML | 61,814 |
| 1 | Vegetation clearing | N/A | 73.5 kt | 134,873 |
| Total | | | | 196,687 |

Table 16: Summary of greenhouse gas emissions for TSS Works

| Scope | Source | Fuel type | Quantity | Emissions (t co2-e) |
|-------|-------------------------------------|-------------|----------|---------------------|
| 1 | Generators & Construction Equipment | Diesel | 4 ML | 10,880 |
| 2 | Grid Energy | Electricity | 2 GWh | 1,660 |
| Total | 12,500 | | | |

Table 17: Summary of greenhouse gas emissions for LCB Works

| Scope | Source | Fuel type | Quantity | Emissions (t CO ₂ -e) | | |
|-------|--|-------------|----------|----------------------------------|--|--|
| 1 | Generators & Construction Equipment | Diesel | 3.5 ML | 9,362 | | |
| 2 | Grid Energy | Electricity | 3.2 GWh | 2,656 | | |
| Total | Total | | | | | |

Table 18: Summary of greenhouse gas emissions for ACP Works

| Scope | Source | Fuel type | Quantity | Emissions (t CO ₂ -e) | |
|-------|------------------------------|-----------------|----------------|----------------------------------|--|
| 1 | Fuel for plant and equipment | Diesel | 4,580 KL | 12,357 | |
| 1 | Fuel for plant and equipment | Unleaded petrol | 27,813 L | 64 | |
| 2 | Electricity generation | Electricity | 2,500 (MwH) | 2025 | |
| Total | Total | | | | |

Table 19: Summary of greenhouse gas emissions for ACP Works

| Scope | Source | Emissions (t CO2-e) |
|-------|--------------------------------------|---------------------|
| 1 | Construction works (3% of total M12) | 6,650 |
| Total | | 6,650 |

The EIS states that when calculating the emissions from construction equipment, it was assumed the construction of the aviation infrastructure used as much fuel as during Bulk Earthworks. Further, it was assumed that during the commissioning phase, no fuel was used from construction equipment and that this would be supplied via permanent grid energy. Further, it was assumed that during the commissioning phase, no fuel was used from construction equipment and that this would be supplied via permanent grid energy. This assumption will be validated with works being planned to provide power from the grid for commissioning phase

The Stage 1 Airport Development construction activities covered by this CEMP are expected to generate smaller impacts consistent with the reduced scale of the works compared to the overall



construction phase. The same level of mitigation measures and controls will apply as indicated further below in Section 7 of this CEMP.

9. Roles and Responsibilities

The key environmental management roles and responsibilities for the construction phase of the work are detailed in Section 4.4 of the SEMF.

WSA will ensure enough resources are allocated on an ongoing basis to ensure effective implementation by both WSA and the responsible contractors.

The Airport Environment Officer (AEO) will be responsible for day-to-day regulatory oversight of the AEPR compliance at WSI after an Airport Lease is granted.

10. Environmental Inspection, Monitoring, Auditing and Reporting

Monitoring, inspection, auditing and reporting will be undertaken to measure the effectiveness and outcomes of the implementation of the Air Quality CEMP and to facilitate continuous improvement of waste and resource management..

General environmental monitoring, inspection, auditing and reporting requirements are summarised in Section 8 of the SEMF.

A summary of the environmental inspection, monitoring, auditing and reporting requirements is provided below, with details of how they apply to air quality management where applicable.

10.1. Environmental Inspections

10.1.1. WSA Environmental Inspections

Environmental site inspections at active, work sites will be undertaken by the WSA Environment Manager (or delegate) on a weekly basis to evaluate the effectiveness of environmental controls implemented by the Contractor.

The site inspection is to include a visual check of general construction activities and any air quality mitigation measures and or controls including but not limited to the following:

- Observation of dust generation from specific construction activities including those from vehicle tracking and excavation works;
- Observation of excessive visible exhaust emission from plant and machinery under normal operational loads;
- The presence / generation of any odours associated with the work activities; and
- Plant and machinery left idling whilst unused for extended periods of time (i.e. 30 mins).

The findings of the WSA site environmental inspection will be recorded on a WSA Site Environmental Inspection Checklist with an accompanying photographic style inspection report.

Refer to Appendix K of the SEMF for further details with regards to completing the Site Environmental Inspection Checklist.



10.1.2. Contractor Environmental Inspections

Weekly site inspections will be undertaken to monitor compliance with this Plan at active work sites. Inspection results will be recorded, and the inspection log made available to the Infrastructure Department upon request. Any non-conformance or improvement opportunities associated with air quality will be documented in the monthly report and discussed at the Environmental Coordination meeting.

More frequent site inspections by the person accountable for air quality and dust issues will be conducted onsite when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.

The Contractor's Environmental Manager and/or Environmental Coordinators will undertake inspections in accordance with the Contractor Environmental Management Framework. The contractor's Environmental Coordinators will record inspection findings on an inspection checklist form.

If any maintenance and/or deficiencies in environmental controls or in the standard of environmental performance are observed, they will be recorded on the checklist form. Records will also include details of any maintenance required, the nature of the deficiency, any actions required and an implementation priority.

10.1.3. Pre-start Inspection

Prior to the commencement of works on each shift, an informal inspection will be carried out by the relevant contractor and will include a check of relevant environmental controls and resources required to ensure effective operation and maintenance. This is to include an inspection of relevant air quality management mitigation measures and controls where applicable. Works are not to commence unless inspections are found to be satisfactory.

The Foreman will undertake the pre-works inspection and record the findings.

10.2. Air Quality Monitoring

General environmental monitoring requirements are set out in the AEPR and include the following:

- Monitoring must take place under the direction of an appropriately qualified person with previous relevant air quality monitoring experience; and
- The results of the monitoring must be kept in a written record.

Specific air quality monitoring requirements, including timing and responsibilities, are included in Table 20.

Table 20: Air Quality Monitoring Requirements

| Reference | Requirement* | Timing | Responsibility |
|-----------|---|--|---|
| AQ_M_01 | Monitoring will be conducted at suitable locations for PM ₁₀ and PM _{2.5} (real time) dust deposition. This will be determined in consultation with the NSW EPA for the WSA monitoring locations. Contractors will determine monitoring locations based on work fronts and may involve hand-held monitors to assess package influence on project wide cumulative air quality impacts. Phone and /or email alerts will be delivered to the relevant personnel. | Pre- construction and during construction | WSA Environment Manager All Contractors |
| AQ_M_02 | Weather data at the premises, including rainfall measured and recorded in millimetres per 24-hour period at the same time each day from the time that the site office is established | As required | All Contractors |
| AQ_M_03 | Baseline monitoring conducted, prior to commencement of Main Construction Works. | October 2017 – September 2018 | WSA Environment Manager |



| Reference | Requirement* | Timing | Responsibility |
|-----------|--|--|---|
| | Ongoing monitoring to continue to be undertaken as per Section 10.2.1 | During construction | |
| AQ_M_04 | Regular site inspections, at a minimum weekly, will be undertaken to monitor compliance with the dust management plan. Inspection results will be recorded included in the monthly report. | During construction | WSA Environment Manager All contractors |
| AQ_M_05 | Daily visual inspection and during high wind events. Records to be kept on a daily basis | Pre- construction and during construction | All Contractors |

10.2.1. Stage 1 Airport Development Air Quality Monitoring Program

Air quality monitoring has been undertaken since October 2017 up until the present at the Airport Site for the purpose of obtaining air quality data. Baseline air monitoring quality data includes monitoring from the EIS and before September 2018 when EEW started. Details of the methodology and sampling locations (Air Quality Monitoring Program) are provided in the sections below.

WSA will continue to implement the Air Quality Monitoring Program on a monthly basis in addition to any contractor specific monitoring as detailed in Section 10.2.3. Air quality monitoring sites and monitoring network are adequate for the current scope of works. Monitoring has been undertaken confirming existing mitigation measures are adequate.

The monitoring data will be represented in monthly reports. This will provide a basis to assess the data against the targets and allow for a simple process in identifying any exceedances. If exceedances are encountered additional measures will be put in place including:

- · Review and modify work practices as appropriate;
- · Using additional water carts;
- Using adhesive polymer to bind the top surface layer;
- · Reducing speeds of site plant; and
- · Shutting down earthwork operations where required.

All environmental monitoring equipment will be calibrated as required by the manufacturer's specifications. Certificate of calibration currency can be made available upon request, with specific details to be provided in the annual reporting (refer to Section 10.4).

Dust Deposition

Deposited matter refers to any dust that falls out of suspension in the atmosphere. Deposited dust is measured in accordance with AS/NZS 3580.10.1:2016 - Methods for sampling and analysis of ambient air Method 10.1: Determination of particulate matter—Deposited matter—Gravimetric method. A five-litre gauge with a 150 mm funnel is placed on a two-metre high stand. The gauge is left onsite for approximately one (1) month (30 days +/- two days) and then the sample is sent to a laboratory for analysis. The number of insoluble solids over the monitoring period are reported by the laboratory.

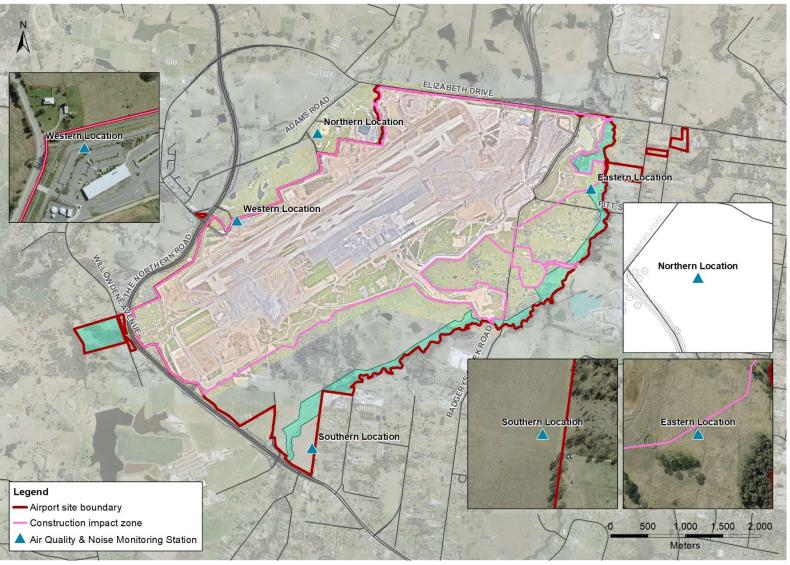
Particulate Concentration

Real time particle counters sample real time $PM_{2.5}$ and PM_{10} . The units adopt two methods for measuring particulate mass concentration: particle counting and gravimetric analysis. The units measure the particulate concentration through 90° Mie scattering principle.

Air Quality Monitoring Station Locations

The location of the air-monitoring stations is provided overleaf in Figure 3.







10.2.2. Additional Monitoring for Adverse Weather

Additional inspections may be required during adverse weather conditions, such as dry periods (greater than one month) and high winds (greater than 30km/hr). Real time and forecasted weather conditions (from BOM) along with real – time monitors (>5 monitors on the site at any one time) will be continuously monitored during the project, particularly prior to weekends. Where required, adjustment to work practices will be made during these periods (eg. reduction in activities, deployment of additional water carts.).

All monitoring equipment will be calibrated as required by the manufacturer's specifications. Certificate of calibration currency can be made available upon request, with specific details to be provided in the annual reporting (refer to Section 10.4).

10.2.3. Contractors Air Quality Monitoring Program

Real time monitoring will be conducted by each contractor at suitable locations for PM₁₀, PM_{2.5}, dust deposition. The system adopted must also provide for phone and/or email alerts to be delivered to the relevant personnel.

Contractors, in consultation with WSA, will determine monitoring locations based on work fronts and may involve handheld monitors and/ or dust deposition gauges to assess package influence on project wide cumulative air quality impacts. The monitoring will aid in understanding internal site sources only and will not form part of the monthly compliance report unless additional information is required.

Daily recorded observations of weather and associated site impact to air quality will be kept by each Contractor such that comparisons can be made between interfacing work packages to allow for an assessment of respective contributions to project wide impacts.

Contractors are to provide WSA with the results of all air quality monitoring undertaken and advise of compliance with criteria.

10.3. Environmental Auditing

Refer to Section 8.2 of the SEMF for environmental auditing requirements, including internal WSA audits, independent audits and audits to be undertaken by contractors.

Auditing and subsequent reporting will be undertaken annually to ensure compliance with this Air Quality CEMP and Airport Plan Conditions of Approval, as identified in Section 4 of this CEMP.

10.4. Environmental Reporting

General environmental reporting requirements are detailed in Section 8.3 the SEMF.

In addition, a summary of reporting requirements required under this Air Quality CEMP (including environmental reporting requirements under the Airport Plan specific to this Air Quality CEMP is provided below in .

Table 21: Air Quality Reporting and Record Keeping

| Action | Scope | Timing / Frequency | Responsibility |
|------------------|---|--------------------|-------------------------------|
| Annual reporting | Unless otherwise agreed in writing by an Approver, an annual report will be prepared in relation to compliance with this Air Quality CEMP. In accordance with Condition 47(2), WSA will publish each of the annual reports on its website within three months of the end of the period in respect of which the report was prepared, with evidence providing proof of the date of publication | Annually | WSA Environment Manager |
| | to the Infrastructure Department with a copy to the Environment Department. The report must remain on the website for a period of at least 12 months. | | |



| Action | Scope | Timing / Frequency | Responsibility |
|--|---|---|---|
| Annual Reporting (required under s6.02(3) of the AEPR) | Annual reporting under AEPR Section 6.03 which includes information from 6.02(3) | Annually | WSA Environment Manager |
| Complaints reporting | Recording of complaints and stakeholder interactions in accordance with Community and Stakeholder Management Plan. | As required | WSA Environment Manager WSA Community and Stakeholder Manager All Contractors |
| Environmental Site Register (required under the 6.02(3) of the AEPR) | Environmental Site Register to be kept and maintained to include written record of environmental conditions of the Airport and its environmental management generally. The register is to include the results of monitoring required under section 10.2 and a record of any exceptional incidents that cause excessive pollution and the action taken to resolve the situation. | As required | All |
| General environmental inspection | Inspection of environmental management controls on site and sighting of site documentation as required by the contractor's CEMP. | Weekly | WSA |
| General environmental inspection | Inspection of environmental management controls and site documentation for contractor works (as required by the contractor's CEMP). | As per Contractor environmental management system (at least weekly) | All Contractors |
| Greenhouse gas emissions (NGER) | Refer to Sustainability Plan when approved. In the absence of an approved Sustainability Plan, NGERS will be reported in the Annual Report. | Annually | WSA Environment Manager |
| Monitoring compliance reporting | Undertaking monitoring as required by this Air Quality CEMP. Contractors are to provide WSA with a monthly summary of all air quality monitoring undertaken and advise of compliance with criteria. Monitoring will be undertaken against the criteria outlined in Section 10.2 | Monthly | All Contractors |
| NEPM | Compliance with the air quality criteria as detailed in Section 8.1 (including the relevant NEPM requirements) will be included as part of the Annual Report. | Annually | WSA Environment Manager |
| Pollution and or excessive noise reporting | In accordance with the AEPR, WSA must give an airport environment officer for the airport, within 14 days, a written report if monitoring results indicate pollution, or excessive noise, occurring as a result of the undertaking of the works associated with the Stage 1 Airport Development. The trigger for a 'pollution event' is provided in the relevant schedules of the AEPR. | As required | WSA |



| Action | Scope | Timing / Frequency | Responsibility |
|---|--|--|------------------------|
| Post-rainfall inspection | Inspection of environmental controls following a rainfall event exceeding 20 mm in any 24-hour period. | Within 24 hours of the rainfall event (excluding Sundays and public holidays) | All Contractors |
| Reporting pollution incidents | For the management and reporting requirements of all environmental incidents, refer to section 6 of the SEMF. Report pollution incidents resulting in offsite impacts to the NSW EPA – refer to WSA Environmental Non-conformance Classification and Reporting Procedure. | As required | All |
| Reporting of non-conformances and improvement opportunities | The management and reporting requirements of environmental non-conformances and improvement opportunities will be in accordance with Section 8 of the SEMF. | As required | WSA All Contractors |
| Shut-down inspections | Inspection of contractor works including status of environmental controls prior to shut-down of site for an extended period (i.e. more than 2 days). | Prior to site shut- down | All Contractors |

10.5. Review of Approved Plans

As per the WSA EMS, review of all Approved Plans will be undertaken annually to ensure they continue to meet conditions set out in Section 3.11.2 of the Airport Plan (refer Condition 47). If the review identifies areas where the plan does not continue to meet the approval criteria for that Plan, a variation to the Approved Plan will be prepared and submitted for approval.

Under Condition 49 (4) of the Airport Plan, WSA is also required to review each Approved Plan at least every five years (from the date of approval). Findings of this review will be included in the Annual Report (refer Section 8.3 of the SEMF) and if needed, a variation to the Approved Plan will be prepared and submitted for approval.

Additionally, WSA may initiate reviews of Approved Plans at other times in response to improvement opportunities, non-conformances, and changes to scope of work or construction methodology or alterations to legal or contractual requirements.

Any changes identified and implemented through the variation and review process identified above will be communicated to relevant contractors through re-issue of the revised WSA Approved Plan and subsequent training and awareness (refer Section 4 of the SEMF).

10.6. Environmental Incidents and Complaints Management

The management and reporting of environmental incidents shall be undertaken by the appropriate person as detailed in Section 6 of the SEMF.

All communications and complaints management will be implemented and managed in accordance with Section 7 of the SEMF and the CSEP.



11. Competence, Training and Awareness

To ensure this Air Quality CEMP is effectively implemented, each level of management is responsible for ensuring that all personnel reporting to them are aware of the requirements within. The WSA Environment Manager will coordinate the necessary and relevant environmental training in conjunction with other training and development activities.

All competence, training and awareness requirements will be implemented as detailed in Section 5 of the SEMF.



12. References

AS/NZS ISO 14001: 2016 Environmental management systems – Requirements with guidance for use

Commonwealth Department of Infrastructure and Regional Development, 2016. *Airport Plan (December 2016)*

Commonwealth Department of Infrastructure and Regional Development, 2016. *Airport Plan Western Sydney Airport Variation 2 (September 2021)*

Commonwealth Department of Infrastructure and Regional Development, 2016. Western Sydney Airport Environmental Impact Statement, 2016

NERDDC 1988, Air Pollution from Surface Coal Mining: Measurement, Modelling and Community Perception, Project No. 921, National Energy Research Development and Demonstration Council, Canberra

NSW Department of Environment and Conservation (DEC) (now NSW Department of Planning and Environment), 2005. Approved Methods for the Sampling and Analysis of Air Pollutants in NSW

NSW Office of Environment and Heritage (OEH), 2016. Clean Air for NSW Consultation Paper



Appendix A

Dust Management, Vehicle and Equipment Emissions Plan

Assess the Situation

- Review weather forecast daily for potential high winds (>20km/hr) at Horsley Park (www.weatherzone.com.au) [EC].
- Consult with SS and other subcontractors for strategies to minimise dust [EC].
- The need for and type of dust controls will be assessed prior to works being undertaken [SS]
- The implementation of dust and emission controls will be progressive and continual during the various stages of construction of the temporary site facility [SS/EC].

STOP DU ST GENERATING WORK if winds exceed 20km/hr (10min average) and air quality controls are not sufficient to mitigate dust generation.

Legend

SS - Contractor's Site Supervisor EC – Contractors' **Environmental** Coordinator EM - Contractor's Environment Manager

Implement Air Quality Controls [55]

Dust management plan

- Avoiding site runoff of water or mud to reduce the potential for track-out dust emission
- Only using cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as
- Ensuring adequate water will be made available on the site for effective dust and particulate matter suppressions and mitigation, using non-potable water where possible
- Using enclosed chutes and conveyors and covered skips
- Minimising drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment, and using fine water sprays on such equipment wherever appropriate
- Making equipment readily available on-site to clean up spillages as soon as reasonably practicable after the event
- Measures to reduce dust impacts from earthworks and other works, as outlined in Table 7-1 of this plan, including but not limited to:
 - Vegetation clearing will be staged where possible to minimise the area and time that surfaces are exposed.
 - Minimise stockpiling of material. Stockpiles will be located away from sensitive receivers where practicable.
 - Measures to reduce dust track out, as outlined in Table 7-1 of this plan, including but not limited to:
 - Sealing high use haul roads, regularly inspecting and making necessary repairs to the surface as soon as reasonably
 - Implementing a wheel washing system (with numble grids to dislodge accumulated dust and mud) prior to leaving the
 - Avoiding dry sweeping of large areas.

Vehicles and equipment emissions plan

- Requiring vehicle operators to switch off engines when not in
- Avoiding the use of diesel or petrol powered generators and instead using mains electricity or battery powered equipment, where practicable
- Considering appropriate vehicle speeds on sealed and unsealed roads
- Construction logistics plan to manage the sustainable delivery of goods and materials to the airport site, includes the following measures:
 - Material brought to site will be in bulk from the suppliers, where practicable
 - Material will be sourced from local suppliers, where

Further sustainable practices to manage the delivery of goods and material to the airport site are detailed in the Sustainability Plan

- Measures to support and encourage sustainable travel for construction workers to and from the airport site, including public transport, shuttle buses, cycling, walking, and carsharing are outlined in Section 2.2.2: Vehicle Movement Plans of the Traffic and Access CEMP
- Measures to reduce vehicle and equipment emissions, as outlined in Table 7-1 of this plan.

Observe Effectiveness of Controls

- If visible dust observed leaving site, re-assess the situation and potentially implement additional controls, ISSI
- If a dust complaint is received, re-assess the situation and potentially implement additional controls. [SS/EM]
- Bring any significant air quality issues to the attention of the EC (in the first instance) or the EM [SS]

Monitoring & Recording

- SS to monitor daily for tracking of mud on public roads, ensuring the integrity of the access/egress points and haul roads to ensure loose material not being tracked out. Outcomes of this monitoring are to be recorded in the SS daily diary (or similar).
- SS to record details of observations regarding visible dust emissions in SS daily diary (or similar).



Objectives

• To describe the minimum mandatory requirements for the management of air quality associated with construction activities.

Training

- All personnel are to undertake Project inductions identifying their environmental and compliance obligations under the Conditions for the Project.
- Obligations and responsibilities relevant to air quality management will also be included in daily pre-start or activity-specific pre-start briefings, toolbox talks or targeted environmental training as appropriate.

Standards and Guidelines

- Air Quality Construction Environmental Management Plan (AQCEMP)
- NSW EPA Local Government Air Quality Toolkit, Visual Guide: Dust from urban construction sites

Air Quality Management

The following are mitigation and management measures to address impacts on air quality from dust and vehicle and equipment emissions.

Dust Management

- Avoiding site runoff of water or mud to reduce the potential for track-out dust emissions;
- Only using cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays;
- Ensuring adequate water will be made available on the site for effective dust and particulate matter suppressions and mitigation, using non-potable water where possible;
- Using enclosed chutes and conveyors and covered skips;
- Minimising drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment, and using fine water sprays on such equipment wherever appropriate;
- Making equipment readily available on-site to clean up spillages as soon as reasonably practicable after the event;
- Measures to reduce dust impacts from earthworks and other works, as outlined in Table 7-1 of this plan, including but not limited to:
 - Vegetation clearing will be staged where possible to minimise the area and time that surfaces are exposed; and
 - Minimise stockpiling of material. Stockpiles will be located away from sensitive receivers where practicable.
- Measures to reduce dust tracking out, as outlined in Error! Reference source not found. of this
 plan, including but not limited to:
 - Sealing high use haul roads, regularly inspecting and making necessary repairs to the surface as soon as reasonably practicable;
 - Implementing a wheel washing system (with rumble grids to dislodge accumulated dust and mud) prior to leaving the site; and
 - Avoiding dry sweeping of large areas.

Vehicle and Equipment Emissions

- · Requiring vehicle operators to switch off engines when not in use;
- Avoiding the use of diesel- or petrol-powered generators and instead using mains electricity or battery powered equipment, where practicable;
- · Considering appropriate vehicle speeds on sealed and unsealed roads;
- Construction logistics plan to manage the sustainable delivery of goods and materials to the airport site, includes the following measures:



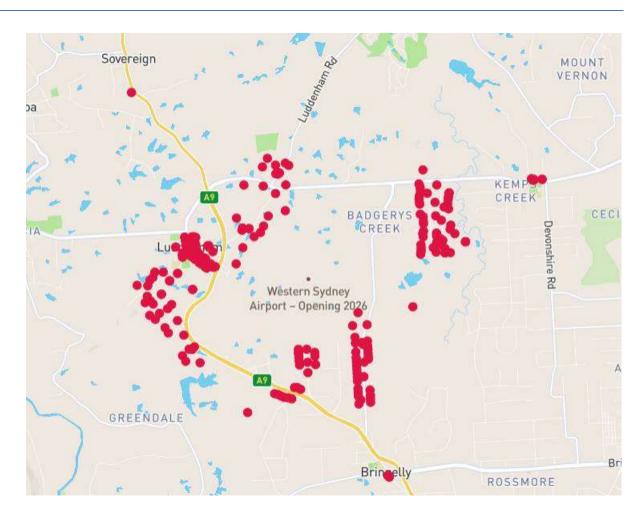
- Material brought to site will be in bulk from the suppliers, where practicable; and
- Material will be sourced from local suppliers, where practicable.

Further sustainable practices to manage the delivery of goods and material to the airport site are detailed in the Sustainability Plan.

- Measures to support and encourage sustainable travel for construction workers to and from the airport site, such as public transport, shuttle buses, cycling, walking, and car-sharing are outlined in Section 2.2.2 of the Traffic and Access CEMP; and
- Measures to reduce vehicle and equipment emissions, as outlined in **Error! Reference source not found.** of this plan.



Appendix B Sensitive Receptors



| ld | Privacy | Address | Suburb | State | Post Code |
|------|-----------------|------------------------|-----------|-------|--------------|
| 3027 | No Restrictions | 137 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3029 | No Restrictions | 45 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3031 | No Restrictions | 38 Jamison Street | Luddenham | NSW | 2745 |
| 3032 | No Restrictions | 40 Jamison street | Luddenham | NSW | 2745 |
| 3033 | No Restrictions | 2550 Elizabeth Drive | Luddenham | NSW | 2745 |
| 3034 | No Restrictions | 2620 Elizabeth Drive | Luddenham | NSW | 2745 |
| 3035 | No Restrictions | 889 Luddenham road | Luddenham | NSW | 2745 |
| 3037 | No Restrictions | 887 Luddenham road | Luddenham | NSW | 2745 |
| 3038 | No Restrictions | 869 Luddenham road | Luddenham | NSW | 2745 |
| 3039 | No Restrictions | 869A Luddenham Road | Luddenham | NSW | 2745 |
| 3040 | No Restrictions | 846 Luddenham Road | Luddenham | NSW | 2745 |
| 3041 | No Restrictions | 882 Luddenham road | Luddenham | NSW | 2745 |
| 3042 | No Restrictions | 892 Luddenham road | Luddenham | NSW | 2745 |
| 3044 | No Restrictions | 2172 The Northern road | Luddenham | NSW | 2745 |



| ld | Privacy | Address | Suburb | State | Post Code |
|------|-----------------|-------------------------|-----------|-------|--------------|
| 3045 | No Restrictions | 2166 The Northern road | Luddenham | NSW | 2745 |
| 3046 | No Restrictions | 9 Blaxland avenue | Luddenham | NSW | 2745 |
| 3047 | No Restrictions | 11 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3048 | No Restrictions | 13 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3049 | No Restrictions | 15 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3050 | No Restrictions | 17 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3051 | No Restrictions | 19 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3052 | No Restrictions | 21 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3053 | No Restrictions | 23 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3054 | No Restrictions | 25 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3056 | No Restrictions | 27 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3057 | No Restrictions | 29 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3058 | No Restrictions | 31 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3059 | No Restrictions | 33 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3060 | No Restrictions | 35 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3061 | No Restrictions | 37 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3062 | No Restrictions | 39 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3063 | No Restrictions | 41 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3064 | No Restrictions | 43 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3065 | No Restrictions | 45 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3066 | No Restrictions | 28 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3067 | No Restrictions | 30 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3068 | No Restrictions | 22 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3069 | No Restrictions | 18 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3070 | No Restrictions | 14 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3071 | No Restrictions | 16 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3072 | No Restrictions | 12 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3073 | No Restrictions | 10 Blaxland Avenue | Luddenham | NSW | 2745 |
| 3074 | No Restrictions | 1 Michael Avenue | Luddenham | NSW | 2745 |
| 2386 | No Restrictions | 7 Wade Close | Luddenham | NSW | 2745 |
| 2385 | No Restrictions | 4 Wade Close | Luddenham | NSW | 2745 |
| 2384 | No Restrictions | 3 Wade Close | Luddenham | NSW | 2745 |
| 2383 | No Restrictions | 10 Wade Close | Luddenham | NSW | 2745 |
| 2382 | No Restrictions | 6 Wade Close | Luddenham | NSW | 2745 |
| 2381 | No Restrictions | 5 Wade Close | Luddenham | NSW | 2745 |
| 2379 | No Restrictions | 2150 The Northern Road | Luddenham | NSW | 2745 |
| 2378 | No Restrictions | 2150A The Northern Road | Luddenham | NSW | 2745 |
| 2377 | No Restrictions | 2146 The Northern Road | Luddenham | NSW | 2745 |
| 2387 | No Restrictions | 8 Wade Close | Luddenham | NSW | 2745 |
| 2388 | No Restrictions | 9 Jamison Street | Luddenham | NSW | 2745 |
| 2389 | No Restrictions | 11 Jamison Street | Luddenham | NSW | 2745 |
| 2394 | No Restrictions | 260 Willowdene Avenue | Luddenham | NSW | 2745 |
| 2395 | No Restrictions | 295 Willowdene Avenue | Luddenham | NSW | 2745 |
| 2483 | No Restrictions | 2179 Elizabeth Drive | Luddenham | NSW | 2745 |



| ld | Privacy | Address | Suburb | State | Post Code |
|------|-----------------|--------------------------|----------------|-------|--------------|
| 2514 | No Restrictions | 1197 The Northern Road | Bringelly | NSW | 2556 |
| 2515 | No Restrictions | 8/45-51 Wentworth Rd | Bringelly | NSW | 2556 |
| 2516 | No Restrictions | 8/1197 The Northern Road | Bringelly | NSW | 2556 |
| 2631 | No Restrictions | 6/2130 The Northern Road | Luddenham | NSW | 2745 |
| 2632 | No Restrictions | 2130 The Northern Road | Luddenham | NSW | 2745 |
| 2829 | No Restrictions | 6/1197 The Northern Rd | Bringelly | NSW | 2553 |
| 2837 | No Restrictions | 3/1197 The Northern Road | Bringelly | NSW | 2556 |
| 2955 | No Restrictions | 200 Lawson Road | Badgerys Creek | NSW | 2555 |
| 3006 | No Restrictions | 435 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3007 | No Restrictions | 163 Adams road | Luddenham | NSW | 2745 |
| 3008 | No Restrictions | 160 Martin road | Badgerys Creek | NSW | 2555 |
| 3009 | No Restrictions | 260 Martin Road | Badgerys Creek | NSW | 2555 |
| 3010 | No Restrictions | 217 Martin road | Badgerys Creek | NSW | 2555 |
| 3011 | No Restrictions | 211 Martin road | Badgerys Creek | NSW | 2555 |
| 3012 | No Restrictions | 195 Martin road | Badgerys creek | NSW | 2555 |
| 3013 | No Restrictions | 2 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3014 | No Restrictions | 80 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3015 | No Restrictions | 120 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3016 | No Restrictions | 160 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3017 | No Restrictions | 200 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3018 | No Restrictions | 220A Willowdene Avenue | Luddenham | NSW | 2745 |
| 3019 | No Restrictions | 230 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3020 | No Restrictions | 230A Willowdene Avenue | Luddenham | NSW | 2745 |
| 3021 | No Restrictions | 235A Willowdene Avenue | Luddenham | NSW | 2745 |
| 3023 | No Restrictions | 215 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3024 | No Restrictions | 165A Willowdene Avenue | Luddenham | NSW | 2745 |
| 3025 | No Restrictions | 164 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3026 | No Restrictions | 135 Willowdene Avenue | Luddenham | NSW | 2745 |
| 3121 | No Restrictions | 7 Ethan close | Luddenham | NSW | 2745 |
| 3122 | No Restrictions | 5 Ethan close | Luddenham | NSW | 2745 |
| 3123 | No Restrictions | 3 Ethan close | Luddenham | NSW | 2745 |
| 3124 | No Restrictions | 2010 The Northern Road | Luddenham | NSW | 2745 |
| 3125 | No Restrictions | 2208 The Northern road | Luddenham | NSW | 2745 |
| 3126 | No Restrictions | 2206 The Northern road | Luddenham | NSW | 2745 |
| 3127 | No Restrictions | 2204 The Northern road | Luddenham | | 2745 |
| 3128 | No Restrictions | 2202 The Northern road | Luddenham | NSW | 2745 |
| 3129 | No Restrictions | 2200 The Northern road | Luddenham | NSW | 2745 |
| 3130 | No Restrictions | 2198 The Northern road | Luddenham | | 2745 |
| 3131 | No Restrictions | 2196 The Northern road | Luddenham | NSW | 2745 |
| 3132 | No Restrictions | 2194 The Northern road | Luddenham | NSW | 2745 |
| 3133 | No Restrictions | 2190 The Northern road | Luddenham | NSW | 2745 |
| 3134 | No Restrictions | 2188 The Northern road | Luddenham | NSW | 2745 |
| 3135 | No Restrictions | 2186 The Northern road | Luddenham | | 2745 |
| 3136 | No Restrictions | 2184 The Northern road | Luddenham | NSW | 2745 |



| ld | Privacy | Address | Suburb | State | Post Code |
|------|-----------------|--------------------------|----------------|-------|--------------|
| 3138 | No Restrictions | 4/2182 The Northern road | Luddenham | | 2745 |
| 3139 | No Restrictions | 2/2182 The Northern road | Luddenham | NSW | 2745 |
| 3140 | No Restrictions | 1/2182 The Northern road | Luddenham | NSW | 2745 |
| 3302 | No Restrictions | 136G Mersey road | Bringelly | | 2556 |
| 3303 | No Restrictions | 136H Mersey road | Bringelly | | 2556 |
| 3304 | No Restrictions | 132 Mersey road | Bringelly | | 2556 |
| 3305 | No Restrictions | 122 Mersey road | Bringelly | | 2556 |
| 3306 | No Restrictions | 130 Mersey road | Bringelly | | 2556 |
| 3307 | No Restrictions | 120 Mersey road | Bringelly | | 2556 |
| 3309 | No Restrictions | 110A Mersey road | Bringelly | | 2556 |
| 3312 | No Restrictions | 306 Badgerys Creek road | Badgerys Creek | | |
| 3580 | No Restrictions | Mersey road | Bringelly | | 2556 |
| 5555 | No Restrictions | Lot 1 Campbell Street | Luddenham | NSW | 2745 |
| 5556 | No Restrictions | 56 Campbell Street | Luddenham | NSW | 2745 |
| 5558 | No Restrictions | 58 Campbell Street | Luddenham | NSW | 2745 |
| 5559 | No Restrictions | 60 Campbell Street | Luddenham | NSW | 2745 |
| 5561 | No Restrictions | 64 Campbell Street | Luddenham | NSW | 2745 |
| 5562 | No Restrictions | 68 Campbell Street | Luddenham | NSW | 2745 |
| 5564 | No Restrictions | 10A Willowdene Avenue | Luddenham | NSW | 2745 |
| 5565 | No Restrictions | 220 Willodene Avenue | Luddenham | NSW | 2745 |
| 5569 | No Restrictions | 1655 The Northern Road | Bringelly | NSW | 2556 |
| 5570 | No Restrictions | 1635 The Northern Road | Bringelly | NSW | 2556 |
| 5571 | No Restrictions | 2 Dwyer Road | Bringelly | NSW | 2556 |
| 5572 | No Restrictions | 1615 The Northern Road | Bringelly | NSW | 2556 |
| 5573 | No Restrictions | 1592 The Northern Road | Bringelly | NSW | 2556 |
| 5574 | No Restrictions | 1582 The Northern Road | Bringelly | NSW | 2556 |
| 5575 | No Restrictions | 3 Jamison Street | Luddenham | NSW | 2745 |
| 3075 | No Restrictions | 3 Michael Avenue | Luddenham | NSW | 2745 |
| 3077 | No Restrictions | 7 Michael Avenue | Luddenham | NSW | 2745 |
| 3078 | No Restrictions | 9 Michael Avenue | Luddenham | NSW | 2745 |
| 3079 | No Restrictions | 11 Michael Avenue | Luddenham | NSW | 2745 |
| 3080 | No Restrictions | 13 Michael Avenue | Luddenham | NSW | 2745 |
| 3081 | No Restrictions | 15 Michael Avenue | Luddenham | NSW | 2745 |
| 3082 | No Restrictions | 17 Michael Avenue | Luddenham | NSW | 2745 |
| 3083 | No Restrictions | 19 Michael Avenue | Luddenham | NSW | 2745 |
| 3085 | No Restrictions | 10 Michael Avenue | Luddenham | NSW | 2745 |
| 3086 | No Restrictions | 8 Michael Avenue | Luddenham | NSW | 2745 |
| 3087 | No Restrictions | 6 Michael Avenue | Luddenham | NSW | 2745 |
| 3088 | No Restrictions | 4 Michael avenue | Luddenham | NSW | 2745 |
| 3089 | No Restrictions | 2 Michael Avenue | Luddenham | NSW | 2745 |
| 3090 | No Restrictions | 1 Hawkins avenue | Luddenham | NSW | 2745 |
| 3091 | No Restrictions | 2 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3092 | No Restrictions | 3 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3093 | No Restrictions | 4 Hawkins avenue | Luddenham | NSW | 2745 |



| ld | Privacy | Address | Suburb | State | Post Code |
|------|-----------------|-------------------------|-------------------|-------|--------------|
| 3094 | No Restrictions | 6 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3095 | No Restrictions | 8 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3096 | No Restrictions | 10 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3097 | No Restrictions | 26 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3098 | No Restrictions | 20 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3099 | No Restrictions | 18 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3100 | No Restrictions | 14 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3101 | No Restrictions | 5 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3102 | No Restrictions | 7 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3103 | No Restrictions | 9 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3104 | No Restrictions | 11 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3105 | No Restrictions | 13 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3106 | No Restrictions | 15 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3107 | No Restrictions | 17 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3108 | No Restrictions | 24 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3109 | No Restrictions | 22 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3110 | No Restrictions | 16 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3111 | No Restrictions | 12 Hawkins Avenue | Luddenham | NSW | 2745 |
| 3112 | No Restrictions | 21 Jamison Street | Luddenham | NSW | 2745 |
| 3113 | No Restrictions | 25 Jamison Street | Luddenham | NSW | 2745 |
| 3114 | No Restrictions | 2 Ethan close | Luddenham | NSW | 2745 |
| 3115 | No Restrictions | 4 Ethan close | Luddenham | NSW | 2745 |
| 3116 | No Restrictions | 6 Ethan close | Luddenham | NSW | 2745 |
| 3117 | No Restrictions | 8 Ethan close | Luddenham | NSW | 2745 |
| 3118 | No Restrictions | 10 Ethan close | Luddenham | NSW | 2745 |
| 3119 | No Restrictions | 12 Ethan close | Luddenham | NSW | 2745 |
| 3120 | No Restrictions | 16 Ethan close | Luddenham | NSW | 2745 |
| 586 | No Restrictions | 105-115 Adams Road | LUDDENHAM | NSW | 2745 |
| 589 | No Restrictions | 2 Jamison Street | LUDDENHAM | NSW | 2745 |
| 1560 | No Restrictions | 1463 Elizabeth Drive | KEMPS CREEK | NSW | 2178 |
| 699 | No Restrictions | 151 Adams Road | Luddenham | NSW | |
| 701 | No Restrictions | 1970 Elizabeth Drive | BADGERYS CREEK | NSW | 2555 |
| 703 | No Restrictions | 40 Martin Road | Badgerys Creek | NSW | 2555 |
| 706 | No Restrictions | 170 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 1475 | No Restrictions | 2178 The Northern Road | LUDDENHAM | NSW | 2745 |
| 707 | No Restrictions | 165 Martin Road | Badgerys Creek | NSW | 2555 |
| 1370 | No Restrictions | Lot 5/1443 Elizabeth Dr | KEMPS CREEK | NSW | 2178 |
| 708 | No Restrictions | 150 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 1269 | No Restrictions | 1443 Elizabeth drive | KEMPS CREEK | NSW | 2178 |
| 709 | No Restrictions | 115 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 1010 | No Restrictions | 345 Badgerys Creek Road | BADGERYS CREEK | NSW | 2555 |



| 1009 No Restrictions 335 Badgerys Creek Road CREEK NSW 2555 | ld | Drivoov | Address | Suburb | Stata | Post Code |
|---|------|--------------------|-----------------------------|-------------|----------|--------------|
| 1009 | IU | Privacy | Address | | State | Code |
| 1007 No Restrictions 260 Badgerys Creek Road CREEK NSW 2555 | 1009 | No Restrictions | 335 Badgerys Creek Road | _ | NSW | 2555 |
| 1007 No Restrictions 260 Badgerys Creek Road CREEK NSW 2555 | 1003 | 140 1 (03110110113 | Oco Baagerys Greek Road | | 11011 | 2000 |
| 1006 | 1007 | No Restrictions | 260 Badgerys Creek Road | _ | NSW | 2555 |
| 1005 | | | | | 111111 | |
| 1005 | 1006 | No Restrictions | 230 Badgerys Creek Road | CREEK | NSW | 2555 |
| 1004 No Restrictions | | | | BADGERYS | | |
| 1004 No Restrictions | 1005 | No Restrictions | 190 Badgerys Creek Road | CREEK | NSW | 2555 |
| 1002 No Restrictions | | | | _ | | |
| 1002 | 1004 | No Restrictions | 158 Badgerys Creek Road | | NSW | 2555 |
| 1001 No Restrictions 130 Badgerys Creek Road CREEK NSW 2555 | | | | _ | | |
| 1001 No Restrictions 130 Badgerys Creek Road CREEK NSW 2555 | 1002 | No Restrictions | 145 Badgerys Creek Road | | NSW | 2555 |
| BADGERYS | 4004 | N. D. History | 400 Dadwara Coasta Daad | | NICNA | 0555 |
| 1000 No Restrictions 110 Badgerys Creek Road CREEK NSW 2555 | 1001 | No Restrictions | 130 Badgerys Creek Road | | NSW | 2555 |
| BADGERYS | 1000 | No Doctrictions | 110 Bodgon to Crook Bood | | NICIAI | 2555 |
| 999 No Restrictions 100 Badgerys Creek Road CREEK NSW 2555 997 No Restrictions 475 Badgerys Creek Road BADGERYS 2555 971 No Restrictions 270 Badgerys Creek Road CREEK NSW 2556 785 No Restrictions 4/2170 The Northern Road, Luddenham NSW 2556 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 355a Badgerys Creek Road CREEK NSW 2178 811 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions | 1000 | No Restrictions | Tro Badgerys Creek Road | | NSW | 2555 |
| 997 No Restrictions 475 Badgerys Creek Road BADGERYS 971 No Restrictions 270 Badgerys Creek Road CREEK NSW 2556 785 No Restrictions 4/2170 The Northern Road, Luddenham NSW 2745 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 | 999 | No Restrictions | 100 Badgerys Creek Road | | NSW | 2555 |
| 971 No Restrictions 270 Badgerys Creek Road BADGERYS CREEK NSW 2556 785 No Restrictions 4/2170 The Northern Road, Luddenham NSW 2745 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 810 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 | | | | OKELK | + | |
| 971 No Restrictions 270 Badgerys Creek Road CREEK NSW 2556 785 No Restrictions 4/2170 The Northern Road, Luddenham NSW 2745 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 < | 997 | No Restrictions | 475 Badgerys Creek Road | DADOEDVO | NSW | 2555 |
| 785 No Restrictions 4/2170 The Northern Road, Luddenham NSW 2745 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 < | 074 | N. D. History | 070 Dadwara - Oracla Dad | | NICNA | 0550 |
| Bancon | 9/1 | No Restrictions | 270 Badgerys Creek Road | CREEK | NSW | 2556 |
| 810 No Restrictions 355 Badgerys Creek Road CREEK NSW 2555 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 827 No | 785 | No Restrictions | 4/2170 The Northern Road, | Luddenham | NSW | 2745 |
| 949 No Restrictions 1/1455-1463 Elizabeth Drive KEMPS CREEK NSW 2178 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No | | | | | | |
| 947 No Restrictions 1465-1467 Elizabeth Drive KEMPS CREEK NSW 2178 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 824 No Restrictio | 810 | No Restrictions | 355 Badgerys Creek Road | CREEK | NSW | 2555 |
| 811 No Restrictions 355a Badgerys Creek Road BADGERYS CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restricti | 949 | No Restrictions | 1/1455-1463 Elizabeth Drive | KEMPS CREEK | NSW | 2178 |
| 811 No Restrictions 355a Badgerys Creek Road BADGERYS CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restricti | 0/17 | No Restrictions | 1465-1467 Elizabeth Drive | KEMDS CREEK | NISW | 2178 |
| 811 No Restrictions 355a Badgerys Creek Road CREEK NSW 2555 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions | 341 | NO IXESTRICTORS | 1403-1407 Elizabetii Diive | | INOVV | 2170 |
| 812 No Restrictions 325 Badgerys Creek Road CREK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions | 811 | No Restrictions | 355a Badgerys Creek Road | | NSW | 2555 |
| 812 No Restrictions 325 Badgerys Creek Road CREEK NSW 2555 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions | 011 | TTO TTOOLIGIONS | occa Baagerye Greek Hoad | | 11011 | 2000 |
| 813 No Restrictions 220 Badgerys Creek Road CREEK NSW 2555 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions | 812 | No Restrictions | 325 Badgerys Creek Road | | NSW | 2555 |
| 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions | | | | BADGERYS | | |
| 814 No Restrictions 305 Badgerys Creek Road CREEK NSW 2555 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions | 813 | No Restrictions | 220 Badgerys Creek Road | CREEK | NSW | 2555 |
| BADGERYS RESTRICTIONS 155 Badgerys Creek Road BADGERYS CREEK NSW 2555 | | | | | | |
| 830 No Restrictions 155 Badgerys Creek Road CREEK NSW 2555 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions | 814 | No Restrictions | 305 Badgerys Creek Road | | NSW | 2555 |
| 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 840 GERYS NSW | | | | | | |
| 829 No Restrictions 120 Badgerys Creek Road CREEK NSW 2555 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 840 No Restrictions | 830 | No Restrictions | 155 Badgerys Creek Road | | NSW | 2555 |
| 828 No Restrictions 175 Badgerys Creek Road CREK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK | 000 | N 5 () (| 400 B | | NOVA | 0555 |
| 828 No Restrictions 175 Badgerys Creek Road CREEK NSW 2555 827 No Restrictions 195 Badgerys Creek Road CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 | 829 | No Restrictions | 120 Badgerys Creek Road | | NSW | 2555 |
| 827 No Restrictions 195 Badgerys Creek Road BADGERYS CREEK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 | 020 | No Postriotions | 175 Padganya Crook Bood | | NICIA | 2555 |
| 827 No Restrictions 195 Badgerys Creek Road CREK NSW 2555 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 825 No Restrictions 205 Badgerys Creek Road CREEK NSW 2555 824 No Restrictions 152 Badgerys Creek Road CREEK NSW 2555 823 No Restrictions 235 Badgerys Creek Road CREEK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 | 020 | No Restrictions | 175 Baugerys Creek Road | | INSVV | 2555 |
| BADGERYS Restrictions 140 Badgerys Creek Road CREEK NSW 2555 | 827 | No Restrictions | 195 Badgerys Creek Road | | NSW | 2555 |
| 826 No Restrictions 140 Badgerys Creek Road CREEK NSW 2555 | 021 | 110 1 (000100010 | 100 Badgeryo Orock Road | | 11011 | 2000 |
| BADGERYS Restrictions 205 Badgerys Creek Road CREEK NSW 2555 | 826 | No Restrictions | 140 Badgervs Creek Road | | NSW | 2555 |
| 825No Restrictions205 Badgerys Creek RoadCREEKNSW2555824No Restrictions152 Badgerys Creek RoadCREEKNSW2555823No Restrictions235 Badgerys Creek RoadCREEKNSW2555822No Restrictions162 Badgerys Creek RoadCREEKNSW2555821No Restrictions180 Badgerys Creek RoadCREEKNSW2555820No Restrictions200 Badgerys Creek RoadCREEKNSW2555819No Restrictions293 Badgerys Creek RoadCREEKNSW2555819No Restrictions293 Badgerys Creek RoadCREEKNSW2555 | | | J , | | 1 | |
| BADGERYS Restrictions 152 Badgerys Creek Road CREEK NSW 2555 | 825 | No Restrictions | 205 Badgerys Creek Road | | NSW | 2555 |
| 823 No Restrictions 235 Badgerys Creek Road CREK NSW 2555 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS CREEK NSW 2555 | | | | | | |
| 823No Restrictions235 Badgerys Creek RoadCREEKNSW2555822No Restrictions162 Badgerys Creek RoadCREEKNSW2555821No Restrictions180 Badgerys Creek RoadCREEKNSW2555820No Restrictions200 Badgerys Creek RoadCREEKNSW2555819No Restrictions293 Badgerys Creek RoadCREEKNSW2555BADGERYS CREEKNSW2555BADGERYS CREEKNSW2555BADGERYS CREEKNSW2555 | 824 | No Restrictions | 152 Badgerys Creek Road | | NSW | 2555 |
| 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 840 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 8419 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 8419 BADGERYS CREEK NSW 2555 8419 BADGERYS CREEK NSW 2555 | | | | | | |
| 822 No Restrictions 162 Badgerys Creek Road CREEK NSW 2555 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS BADGERYS CREEK NSW 2555 | 823 | No Restrictions | 235 Badgerys Creek Road | | NSW | 2555 |
| 821 No Restrictions 180 Badgerys Creek Road CREEK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS BADGERYS BADGERYS | 000 | | 100 5 1 0 1 5 | | 1,100.00 | 0555 |
| 821 No Restrictions 180 Badgerys Creek Road CREK NSW 2555 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 | 822 | No Restrictions | 162 Badgerys Creek Road | | NSW | 2555 |
| 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS CREEK NSW 2555 BADGERYS | 004 | No Dogtalotica | 400 Dadwamia Crasti Bassi | | NICYA | 2555 |
| 820 No Restrictions 200 Badgerys Creek Road CREEK NSW 2555 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS BADGERYS | 821 | No Restrictions | 180 Badgerys Creek Road | | NSW | 2555 |
| 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS BADGERYS | 920 | No Postriations | 200 Rodgonyo Crook Rood | _ | NICIA | 2555 |
| 819 No Restrictions 293 Badgerys Creek Road CREEK NSW 2555 BADGERYS | 020 | NO RESTRICTIONS | ZUU Daugerys Creek Road | | INOW | 2000 |
| BADGERYS | 819 | No Restrictions | 293 Badgerys Creek Road | | NSW | 2555 |
| | 010 | 140 110301000113 | 200 Badgerys Orcek Road | | 14044 | 2000 |
| | 815 | No Restrictions | 315 Badgerys Creek Road | CREEK | NSW | 2555 |



| اما | Deixon | Address | Culturale | Ctata | Post |
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| ld | Privacy | Address | Suburb BADGERYS | State | Code |
| 816 | No Restrictions | 210 Badgerys Creek Road | CREEK | NSW | 2555 |
| 365 | No Restrictions | 3059 Northern Road | Luddenham | NSW | 2745 |
| 366 | No Restrictions | 3057 Northern Road | Luddenham | NSW | 2745 |
| 369 | No Restrictions | 3051 Northern Road | Luddenham | NSW | 2745 |
| 370 | No Restrictions | 3047 Northern Road | Luddenham | NSW | 2745 |
| 2227 | No Restrictions | 7 Jamison Street | LUDDENHAM | NSW | |
| 2226 | No Restrictions | 5 Jamison Street | LUDDENHAM | NSW | |
| 2225 | No Restrictions | 1 Jamison Street | LUDDENHAM | NSW | |
| 2224 | No Restrictions | 23 Jamison Street | LUDDENHAM | NSW | 2745 |
| 2222 | No Restrictions | 18 Jamison Street | LUDDENHAM | NSW | |
| 371 | No Restrictions | 3045 Northern Road | Luddenham | NSW | 2745 |
| 2220 | No Restrictions | 14 Jamison Street | LUDDENHAM | NSW | |
| 2219 | No Restrictions | 12 Jamison Street | LUDDENHAM | NSW | 2745 |
| 372 | No Restrictions | 3043 Northern Road | Luddenham | NSW | 2745 |
| 373 | No Restrictions | 3039 Northern Road | Luddenham | NSW | 2745 |
| 375 | No Restrictions | 3035 Northern Road | Luddenham | NSW | 2745 |
| 2218 | No Restrictions | 6 Jamison Street | LUDDENHAM | NSW | |
| 376 | No Restrictions | 19 Northern Road | Luddenham | NSW | 2745 |
| 2216 | No Restrictions | 2156 The Northern Road | LUDDENHAM | NSW | 2745 |
| 379 | No Restrictions | 65 Adams Road | Luddenham | NSW | 2745 |
| 2215 | No Restrictions | 2154 The Northern Road | Luddenham | NSW | 2745 |
| 2212 | No Restrictions | 2144 The Northern Road | LUDDENHAM | NSW | 2745 |
| 387 | No Restrictions | 265 Adams Road | Luddenham | NSW | 2745 |
| 393 | No Restrictions | 892 Luddenham Road | Luddenham | NSW | 2745 |
| 399 | No Restrictions | 2111 Elizabeth Drive | Luddenham | NSW | 2745 |
| 2185 | No Restrictions | 375 Willowdene Avenue | LUDDENHAM | NSW | 2745 |
| 404 | No Restrictions | 2-1953 Elizabeth Drive | Luddenham | NSW | 2745 |
| 410 | No Restrictions | 15 Lawson Road | Badgerys Creek | NSW | 2555 |
| 2176 | No Restrictions | 150 Mersey Road | BRINGELLY | NSW | 2555 |
| 413 | No Restrictions | 65 Lawson Road | Badgerys Creek | NSW | 2555 |
| 422 | No Restrictions | 155 Lawson Road | Badgerys Creek | NSW | 2555 |
| 1866 | No Restrictions | 235 Willowdene Avenue | Luddenham | NSW | 2745 |
| 428 | No Restrictions | 160 Lawson Road | Badgerys Creek | NSW | 2555 |
| 434 | No Restrictions | 210 Lawson Road | Badgerys Creek | NSW | 2555 |
| 1854 | No Restrictions | 55 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 443 | No Restrictions | 60 Martin Road | Badgerys Creek | NSW | 2555 |
| 446 | No Restrictions | 65 Martin Road | Badgerys Creek | NSW | 2555 |
| 1850 | No Restrictions | 125 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 460 | No Restrictions | 80 Martin Road | Badgerys Creek | NSW | 2555 |
| 461 | No Restrictions | 90 Martin Road | Badgerys Creek | NSW | 2555 |
| 463 | No Restrictions | 186 Martin Road | Badgerys Creek | NSW | 2555 |
| 559 | No Restrictions | 2/2140 The Northern Road | LUDDENHAM | NSW | 2745 |



| ld | Privacy | Address | Suburb | State | Post Code |
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| 563 | No Restrictions | 6/2140 The Northern Road, | Luddenham | NSW | 2745 |
| 576 | No Restrictions | 14 Eaton Road | LUDDENHAM | NSW | 2745 |
| 584 | No Restrictions | 15 Adams Road | LUDDENHAM | NSW | 2745 |
| 2933 | No Restrictions | 35 Lawson Road | Badgerys Creek | NSW | 2555 |
| 2859 | No Restrictions | 260 Willowdene Avenue | Ludenham | NSW | 2745 |
| 1011 | No Doctrictions | 195 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 1844 403 | No Restrictions No Restrictions | | Luddenham | NSW | 2555 2745 |
| 3249 | No Restrictions | 1745 (Lot 3) Elizabeth Drive 1602 The Northern Road | Luddelliam | INOW | 2140 |
| 2830 | | 4/1153 The Northern Road | Pringelly | NSW | 2553 |
| | No Restrictions | | Bringelly | NSW | |
| 378 | No Restrictions | 50-80 Adams Road | Luddenham | NSW | 2745 |
| 784 | No Restrictions | 3/2140 The Northern Road | Luddenham | NSW | 2745 |
| 3272 | No Dostrictions | 1645 The Northern Road | Bringelly | NSW | 0550 |
| 2175 | No Restrictions | 145 Mersey Road | BRINGELLY | NSW | 2556 |
| 1584 | No Restrictions | 4/1455 Elizabeth Drive | KEMPS CREEK | NSW | 2178 |
| 3319 | No Restrictions | 1675 The Northern Road | Bringelly | NSW | 2556 |
| 696 | No Restrictions | 2140 The Northern Road | Luddenham | | 2745 |
| 2182 | No Restrictions | 460 Willowdene Avenue | LUDDENHAM | NSW | 2745 |
| 389 | No Restrictions | 185 Adams Road (7 Anton Road) | Luddenham BADGERYS | NSW | 2745 |
| 1855 | No Restrictions | 45 Lawson Road | CREEK | NSW | 2555 |
| 430 | No Restrictions | 190 Lawson Road | Badgerys Creek | NSW | 2555 |
| 711 | No Restrictions | 50 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 368 | No Restrictions | 3053 Northern Road | Luddenham | NSW | 2745 |
| 421 | No Restrictions | 145 Lawson Road | Badgerys Creek | NSW | 2555 |
| 950 | No Restrictions | 175 Badgerys Creek Rd | BRINGELLY | NSW | 2556 |
| 377 | No Restrictions | Lot 3 Adams Road | Luddenham | NSW | 2745 |
| 557 | No Restrictions | 70 Eaton Road | LUDDENHAM | NSW | 2745 |
| 575 | No Restrictions | 18 Eaton Road | LUDDENHAM | NSW | 2745 |
| 1371 | No Restrictions | 9 Elizabeth drive | KEMPS CREEK | NSW | 2178 |
| 1843 | No Restrictions | 205 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 2249 | No Restrictions | 125 Mersey Road | Bringelly | NSW | 2556 |
| 1841 | No Restrictions | 235 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 1754 | No Restrictions | 150 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 2373 | No Restrictions | 330 Willowdene Avenue | Luddenham | NSW | 2745 |
| 923 | No Restrictions | 1/2130 Northern Road, Luddenham | LUDDENHAM | NSW | 2745 |
| 964 | No Restrictions | 175 Badgerys Creek Road | BADGERYS CREEK | NSW | |
| 388 | No Restrictions | 275 Adams Road | Luddenham | NSW | 2745 |
| 601 | No Restrictions | 12 Eaton Road | LUDDENHAM | NSW | 2745 |
| 1489 | No Restrictions | 210 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 416 | No Restrictions | 87 Lawson Road | Badgerys Creek | NSW | 2555 |
| 1852 | No Restrictions | 83 Lawson Road | BADGERYS CREEK | NSW | 2555 |



| ld | Privacy | Address | Suburb | State | Post Code |
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| 788 | No Restrictions | Lot 10, 140 Adams Road | Luddenham | NSW | 2745 |
| | | | BADGERYS | | |
| 817 | No Restrictions | 297 Badgerys Creek Road | CREEK | NSW | 2555 |
| 2722 | No Restrictions | 325 Willowdene Avenue | Luddenham | NSW | 2745 |
| 2180 | No Restrictions | 510 Willowdene Avenue | LUDDENHAM BADGERYS | NSW | 2745 |
| 2209 | No Restrictions | 320 Badgerys Creek Road | CREEK | NSW | 2555 |
| 1853 | No Restrictions | 75 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 2250 | No Restrictions | 135 Mersey Road | BRINGELLY | NSW | 2556 |
| 3222 | No Restrictions | 161 Adams Road | Luddenham | NSW | 2745 |
| 418 | No Restrictions | 115 Lawson Road | Badgerys Creek | NSW | 2555 |
| 3326 | No Restrictions | 180 Adams Road | Luddenham | NSW | |
| 3232 | No Restrictions | 180 Adams road | Luddenham | NSW | 2745 |
| 698 | No Restrictions | 205 Adams Road | Luddenham | NSW | 2745 |
| 448 | No Restrictions | 210 Martin Road | Badgerys Creek | NSW | 2555 |
| 789 | No Restrictions | 125-135 Adams Road | Luddenham | NSW | 2745 |
| 602 | No Restrictions | 16 Eaton Road | LUDDENHAM | NSW | 2745 |
| 1366 | No Restrictions | 1745 Elizabeth Drive | Badgerys Creek | NSW | |
| 3235 | No Restrictions | 510 Willowdene Ave | Luddenham | NSW | 2745 |
| 2838 | No Restrictions | 1/1193 The Northern Road | Bringelly | NSW | 2553 |
| 944 | No Restrictions | 325 Badgerys Creek Road | BRINGELLY | NSW | 2556 |
| 2639 | No Restrictions | 50 Willowdene Avenue | Luddenham | NSW | 2745 |
| 2638 | No Restrictions | 50 Willowdene Avenue | Luddenham | NSW | 2745 |
| 1486 | No Restrictions | 50 Willowdene Ave | LUDDENHAM | NSW | 2745 |
| 429 | No Restrictions | 180 Lawson Road | Badgerys Creek | NSW | 2555 |
| 581 | No Restrictions | 16 Adams Road | LUDDENHAM | NSW | 2745 |
| 2184 | No Restrictions | 405 Willowdene Avenue | LUDDENHAM | NSW | 2745 |
| 2248 | No Restrictions | 101-107 Mersey Road | BRINGELLY | NSW | 2556 |
| 1721 | No Restrictions | 30 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 1035 | No Restrictions | 30 Martin Road | BADGERYS CREEK | NSW | 2556 |
| 407 | No Restrictions | 5 Lawson Road | Badgerys Creek | NSW | 2555 |
| 713 | No Restrictions | 7,2130 Northern Road | LUDDENHAM | NSW | 2745 |
| 439 | No Restrictions | 255 Lawson Road | Badgerys Creek | NSW | 2555 |
| 3233 | No Restrictions | 475 Badgerys Creek road | Badgerys Creek | NSW | 2555 |
| 1975 | No Restrictions | 1675 The Northern road | Bringelly | NSW | 2556 |
| 1490 | No Restrictions | 210 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 590 | No Restrictions | 2215 Northern Road | LUDDENHAM | NSW | 2745 |
| 361 | No Restrictions | 3069 Northern Road | Luddenham | NSW | 2745 |
| 447 | No Restrictions | 100-110 Martin Road | Badgerys Creek | NSW | 2555 |
| 3036 | No Restrictions | 300 Badgerys creek road | Badgerys Creek | NSW | 2556 |
| 579 | No Restrictions | 7 Adams Road | LUDDENHAM | NSW | 2745 |
| 3308 | No Restrictions | 110 Mersey road | Bringelly | NSW | 2556 |
| 2576 | No Restrictions | 115 Mersey Road | BRINGELLY | NSW | 2556 |



| ld | Privacy | Address | Suburb | State | Post Code |
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| 3161 | No Restrictions | 1783 Elizabeth Drive | Luddenham | NSW | 2745 |
| 857 | No Restrictions | 185 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 1561 | No Restrictions | Lot 10 1455 Elizabeth Drive | KEMPS CREEK | NSW | 2178 |
| 2194 | No Restrictions | 2215 The Northern Road | LUDDENHAM | NSW | 2745 |
| 1842 | No Restrictions | 225 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 710 | No Restrictions | 85 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 1557 | No Restrictions | 210 Martin Road | BADGERYS CREEK | NSW | 2555 |
| 840 | No Restrictions | 1 Anton Road | LUDDENHAM | NSW | 2745 |
| 2187 | No Restrictions | 350 Willowdene Avenue | LUDDENHAM | NSW | 2745 |
| 438 | No Restrictions | 245b Lawson Road | Badgerys Creek | NSW | 2555 |
| 1840 | No Restrictions | 245 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 1857 | No Restrictions | 25 Lawson Road | BADGERYS CREEK | NSW | 2555 |
| 3137 | No Restrictions | 3/2182 The Northern road | Luddenham | NSW | 2745 |
| 582 | No Restrictions | 18 Adams Road | LUDDENHAM | NSW | 2745 |
| 382 | No Restrictions | 180 Adams Road | Luddenham | NSW | 2745 |