




Sapphire Wind Farm

Air Quality Management Plan

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Rev	Description	Originator	Reviewed	Approved	Signature	Date
180618-1217	Issued for use	P Millar	D Dymond	B Filby		18/6/18
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Details of Revision Amendments

Document Control

The latest approved version of this Document will be available for all personnel on the SWF Confluence Space. The Head of Construction and Asset Management (HOCAM) will maintain, review and update this Document in accordance with the Records & Documents Procedure.

Amendments

Each new revision to the Document will be distributed to all required personnel for review and approval.

The revision number is included at the end of the document number, which is noted in the footer of each page. The document will be allocated a new revision number each time a change is made to the document and changes will be in red for easy reference.

When a new revision to the document is available, a notification email will be distributed to all personnel by the Head of Construction and Asset Management advising of the update.

The Head of Construction and Asset Management is responsible for the implementation and review of the Document. The Head of Construction and Asset Management will approve new revisions of the Document via the review and approval process a detailed in the Records & Documents Procedure.



Air Quality Management Plan

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1. Overview

This document is about describes the appropriate measures for the effective management of Air Quality at the Facility. It is for use by all workers and their supervisors and managers.

2. Background

The principle air pollutants likely to be associated with the operation of the SWF are particulate matter consisting mainly of dust and vehicle fumes. The nature of any impacts will be short-term and mainly associated with and limited to civil maintenance activity. In general, the primary sources of emissions to the atmosphere include dust, plant and vehicle emissions and odours.

3. Risks

Risk Description	Cause	Potential Impacts	Probability	Consequence	Risk Score	Mitigation Strategies
Dust levels	Dust arising from vehicle movements on unsealed roads (on and off site) and civil maintenance activities, exacerbated by high winds, size of vehicle and regularity of travel	Exceeded emission regulations; annoyance for local residences. Respiratory illness Breach of EPL Condition O3.	Unlikely	Minor	Low	Application of water to roads when required Reduction of speed to minimise dust generation.
Vehicle emissions	Excessive emission from diesel and petrol vehicles	Exceeded emission regulations; Respiratory illness	Rarely	Minor	Low	Ensure proper vehicle maintenance
Odours	Odours from paints, solvents.	Exceeded emission regulations; Respiratory illness; poisoning	Rarely	Minor	Low	Proper storage and handling
Odours from Septic tanks	Septic tank not working and pump out of tanks.	Exceeded emission regulations; annoyance for local residences	Rarely	Minor	Low	Proper maintenance and handling procedures

4. Management Strategies

Management Actions	Strategies	Responsibilities
Slowing down vehicle speeds	All drivers of vehicles to slow down past designated residences to and on the Facility to reduce dust. Reinforce as part of Facility Inductions plus information boards at the Facility.	Facility Manager
Dust Suppression	EPL Condition O3 applies to ensure that all activities on the premises are carried out to minimise the emission of dust. Application of water or other dust ameliorant to road surface in areas where residences are within 150 metres of an unsealed road. Implementation of speed restriction at residences within 150 metres of an unsealed road and communicated during Facility Induction.	Facility Manager
Vehicle Maintenance	Regular vehicle maintenance to ensure that vehicle emissions are maintained at reasonable levels. Removal of vehicles exhibiting excessive emissions from the Facility.	Facility Manager
Road Maintenance	Maintenance of Facility roads to remove loose materials when required	Facility Manager

5. Management Controls

Control	Purpose	Reference
Complaints Register	To record details of dust complaints from landowners and general public regarding dust levels.	Feed Back and Complaints Register
Induction packs	To reinforce requirements for good vehicle maintenance and travelling slowly past designated residences	Facility Inductions

6. Monitoring & Inspection

Description	Frequency
Monitoring of road conditions	Monthly
Assessment of dust control as part of inspections and normal activities	As required

7. Key Performance Indicators

KPI	Measurement
No un-actioned complaints regarding dust	Complaints Register