



# Plan

## Dust management plan

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### Environment

17 March 2023

IO-PL-EN-0001

Rev: 1

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## 1 PURPOSE

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This *Dust Management Plan* outlines the mandatory minimum requirements to ensure that the generation of dust from Fortescue activities in combination with naturally occurring background levels does not adversely impact environmental or social surrounds values.

### 1.1 Background

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Fortescue employees and contractors are obliged to comply with all relevant environmental Commonwealth and State legislation. Environment legislation directly relevant to this procedure is provided in Appendix A.

Definitions of terms and acronyms used throughout this procedure are provided in the *Definitions and Acronyms Guideline* (IO-GU-EN-0002).

### 1.2 Application

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This Plan shall be implemented at all Fortescue Iron Ore project and operational mine and rail work areas.

#### 1.2.1 Exclusions

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Dust emissions associated with Port Operations are addressed in the *Anderson Point Materials Handling Facility – Dust Management Plan* (P-PL-EN-0010).

Dust emissions associated with Exploration activities are addressed in *Exploration Environmental Management Plan* (E-PL-EN-0002).

Dust emissions associated with human health are addressed by the *Fibrous Management Procedure* (45-PR-SA-0024) and the *Dust Management Procedure* (200CO-00000-PR-SA-0006).

## 2 REQUIREMENTS

The minimum mandatory requirements for dust management are outlined in Table 1. In the event that regulatory and legal requirements contradict the requirements in this document, then the relevant regulatory or legal requirement will take precedent.

**Table 1: Minimum requirements**

<b>Requirement</b>	<b>Accountable</b>
<b>Pre-approval</b>	
Undertake baseline dust monitoring in accordance with AS 3580.10.1 to quantify background dust levels prior to construction.	Senior Environmental Approvals Manager
Undertake dust dispersion modelling to determine potential impacts of dust emissions on sensitive receptors and vegetation.	Senior Environmental Approvals Manager
<b>Design</b>	
The design of facilities shall comply with the requirements specified in <i>Environment basis of design</i> (100-ST-EN-00017).	Project Manager / Mining Manager / Manager Rail Operations / Manager OPF
Minimise vegetation clearing and disturbance during the design phase.	Manager Operations Planning
<b>Dust management</b>	
All dust related environmental obligations shall be captured in the Business Management System (BMS) and accountabilities against each obligation shall be assigned.	Manager Environment Governance
Undertake risk reviews to identify high risk areas where mitigation measures and dust suppression measures need to be implemented in accordance with <i>Environment risk assessment procedure</i> (IO-PR-EN-0001).	Manager Approvals Compliance / Manager Environment Operations
Conduct vegetation clearing in accordance with the <i>Land use certification procedure</i> (100-PR-TA-0001) and <i>Ground disturbance and topsoil management procedure</i> (IO-PR-EN-0010).	Project Manager / Mining Manager / Manager Rail Operations
Ensure maintenance of dust suppression systems on ore processing facilities and associated infrastructure (e.g., conveyors, stockpiles).	Project Manager / Manager OPF
Implement measures for dust suppression as required. This may include, but is not limited to: <ul style="list-style-type: none"> <li>• Use of water carts</li> <li>• Application of a dust suppression agents in high traffic areas</li> <li>• Changes to material handling process</li> </ul>	Project Manager / Mining Manager / Manager Rail Operations / Manager OPF
Undertake visual inspections, as required and at an appropriate frequency during high dust risk works particularly in vicinity of areas with known environmental or social surrounds values.	Manager Approval Compliance / Manager Environment Operations
Conduct rehabilitation of disturbed areas, particularly in vicinity of areas with known environmental or social surround values, no longer required for operations.	Project Manager / Mining Manager / Manager Rail Operations / Manager Operations Planning
<b>Incident Response and Investigation</b>	
Investigate and address any dust related environmental incidents, including complaints or exceedances of dust trigger levels in accordance with the <i>Incident event reporting procedure</i> (45-PR-SA-0080).	All

<b>Documentation and Data Collection</b>	
Develop and implement a dust monitoring program, as required, as outlined in the <i>Dust monitoring guidelines (45-GU-EN-0004)</i> .	Manager Approval Compliance / Manager Environment Operations
Site specific procedures and plans will be developed where required, to ensure compliance, accountability and internal processes relating to dust management are maintained.	Manager Environment Operations
<b>Training and Communication</b>	
Ensure employee and contractor inductions outline requirements in relation to dust management.	Manager Environment Governance
Poor dust management practices or improvement ideas shall be communicated to the area supervisor or site environment team.	All

### 3 REFERENCES

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This Plan and all internal supporting documents will be managed as per Fortescue Document Governance Standards. The following may be read in conjunction with this Plan.

- [1] AS 3580.1.1: Methods for sampling and analysis of ambient air: Guide for siting air monitoring equipment.
- [2] AS 3580.9.3 - Methods for sampling and analysis of ambient air – Determination of suspended particulate matter – Total Suspended Particulate matter (TSP) – High volume sampler gravimetric method.
- [3] AS 3580.10.1 – Methods for sampling and analysis of ambient air – Determination of particulate matter - Deposited matter – Gravimetric method.
- [4] *A guideline for managing the impacts of dust and associated contaminants from land development sites, contaminated sites remediation and other related activities* (Department of Environment and Conservation 2011).
- [5] *Dust deposition monitoring procedure* (45-PR-EN-0032)
- [6] *Dust monitoring guidelines* (45-GU-EN-0004)
- [7] *Environment basis of design* (100-ST-EN-0017)
- [8] *Environment risk assessment procedure* (IO-PR-EN-0001)
- [9] *Incident event reporting procedure* (45-PR-EN-0080)
- [10] *Ground disturbance and topsoil management procedure* (IO-PR-EN-0010)
- [11] *Land use certification procedure* (100-PR-TA-0001)

## DOCUMENT CONTROL

Dust management plan		
Status	IFU - Issued for Use	17-Mar-23
Summary of Changes	Added in management action for visual inspections	
Author	Jane Humphrey	_____ Signature
Checked or Squad Review# (if applicable)		_____ Signature
Approved	Todd Edwards	_____ Signature
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## APPENDIX A COMMONWEALTH AND STATE LEGISLATION RELATING TO DUST MANAGEMENT

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### Act / regulation

*Environmental Protection Act 1986*

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*Environment Protection and Biodiversity Conservation Act 1999 (Cwth)*

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*Environmental Protection Regulations 1987*

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*National Environment Protection Council (Western Australia) Act 1996 (WA)*

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