



Plan

Non-mineral waste management plan

Environment

9 March 2023
IO-PL-EN-0003
Rev: 0

TABLE OF CONTENTS

1	PURPOSE	3
	1.1 Background	3
	1.2 Application	3
	1.2.1 Exclusions	3
2	REQUIREMENTS	4
APPENDIX A	COMMONWEALTH AND STATE LEGISLATION RELATING TO WASTE	
MANAGEMENT	8	

LIST OF TABLES

Table 1: Minimum requirements.....	4
------------------------------------	----------

1 PURPOSE

This *Non-Mineral Waste Management Plan* outlines the mandatory minimum requirements to ensure that the disposal and management of non-mineral waste does not adversely impact environmental values.

This document supports the implementation and conforms with Fortescue's Waste Management Standard (100-ST-EN-0014).

1.1 Background

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

This Plan shall be implemented at all Fortescue Pilbara Iron Ore construction and operational work areas.

1.2.1 Exclusions

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

2 REQUIREMENTS

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

Table 1: Minimum requirements

Requirement	Accountable
Procurement	
Terms and Conditions of contracts, where possible, should contain waste management and waste minimisation clauses.	Procurement Manager
Suppliers shall avoid plastics in goods and packaging, and where possible minimise the use of plastic where it cannot be avoided, as per the <i>Sustainable procurement standard</i> (100-00051-ST-CP-0001).	Procurement Manager
Design	
The following waste hierarchy (in order of preference) should be considered during the design phase: <ol style="list-style-type: none"> 1. Remove or reduce waste at the source through use of substitutes or alternative processes. Waste reduction at the source results in less waste management requirements and decreases risks and costs associated with disposal facilities. 2. Reuse or recycling of waste. Transport costs, sale price and indirect savings should be taken into consideration. 3. Waste storage, treatment and disposal – consideration of segregating waste streams and using the best system for treatment or disposal. 	All
The design of all waste storage and disposal facilities shall comply with the requirements specified in <i>Environment basis of design</i> (100-ST-EN-0017).	Manager Infrastructure Services
Assess risks associated with generation, treatment and storage of waste of any new facilities in accordance with the <i>Environment risk assessment procedure</i> (IO-PR-EN-0001).	Manager Infrastructure Services
Obtain the necessary environmental approvals prior to any construction and operation of waste facilities.	Senior Manager Environmental Approvals
All waste related compliance obligations shall be captured in the Business Management System (BMS) and accountabilities against each obligation shall be assigned.	Manager Environment Governance
Storage of Waste	
Ensure that workshops, office, camp areas and other applicable areas have designated and appropriate bins or areas for recyclable or re-usable materials. Designated bins and areas may include, but not limited to: <ul style="list-style-type: none"> • Oily waste/rags (metal bins to reduce flammable risk) • Batteries • Tyres • Wooden pallets • Vegetative waste • Aluminium cans • Scrap metals • Glass 	Operations Manager Infrastructure Services Projects Project Contractor

<ul style="list-style-type: none"> Cardboard and paper 	
Ensure that all office, workshop and camp areas have general putrescible waste bins that are fitted with secure lids.	Operations Manager Infrastructure Services Projects Project Contractor
Provide appropriate signage for bins and laydown areas to ensure that wastes are correctly segregated into the relevant areas.	Operations Manager Infrastructure Services Projects Project Contractor
Ensure that there are adequate numbers and types of waste collection bins for the types of waste generated.	Operations Manager Infrastructure Services Projects Project Contractor
Adhere to the <i>Chemical and hydrocarbon management plan</i> (100-PL-EN-0011) when handling and storing chemical and hydrocarbon wastes.	Operations Manager Infrastructure Services Projects Project Contractor
Correctly manage waste by disposing of waste by segregating as appropriate and use waste facilities correctly.	All
Transportation and disposal of waste	
Ensure Waste Management contractors empty all bins at a suitable frequency to prevent them from overflowing.	Operations Manager Infrastructure Services Projects Project Contractor
General putrescible, inert wastes and other waste meeting waste acceptance criteria according to Part V Licence conditions under the <i>EP Act</i> , will be disposed at the appropriate landfill facility.	Operations Manager Infrastructure Services Projects Project Contractor
Ensure transport of controlled wastes is in compliance with Environmental Protection (Controlled Waste) Regulations 2004.	Operations Manager Infrastructure Services Projects Project Contractor
Adhere to the <i>Chemical and hydrocarbon management plan</i> (100-PL-EN-0011) when transporting chemical and hydrocarbon wastes.	Operations Manager Infrastructure Services Projects Project Contractor
Ensure any waste that is taken offsite complies with the requirements of the Basel Convention through restricting the transboundary movement of hazardous wastes except when it is in accordance with principals of environmentally sound management.	Operations Manager Infrastructure Services Projects Project Contractor
Incident response and investigation	
Any spills involving hydrocarbon or septic waste should follow the <i>Environment spills procedure</i> (IO-PR-EN-0003).	All
Any incidents arising from unauthorised waste management shall be considered an incident and reported and investigated as per <i>Incident event reporting procedure</i> (45-PR-SA-0080). The cause of the incidents	All

will be determined, and management procedures will be modified, and measures taken (as required) to prevent reoccurrence of incidents.	
Documentation and data collection	
Site specific procedures and plans will be developed where required, to ensure compliance, accountability and internal processes relating to waste treatment and disposal are maintained.	Operations Manager Infrastructure Services / Manager Environment Operations Projects Project Contractor / Project Implementation Manager
Record the volume of waste generated and disposed of at putrescible landfills onsite in accordance with the requirements of Part V Licence requirements. If there are no requirements: <ul style="list-style-type: none"> Record the date the trench was dug, date open for use Approximate length, width and depth Request survey team to obtain GPS coordinates of the extent of the new trench and trench dimensions. Estimate 1 m fill that will be used as cover 	Operations Manager Infrastructure Services Projects Project Contractor
Recycling contractors are required to submit a report detailing weights and/or volumes of recyclable materials received during the month. Data must be received within 2 weeks after the end of month.	Operations Manager Infrastructure Services Projects Project Contractor
All recycling and landfill data collected throughout the year will be consolidated and publicly reported in the Annual Environment Report.	Manager Environment Operations / Manager Environment Governance
Waste targets, performance and any relevant material risks shall be reported in Fortescue's annual Sustainability Report.	Group Manager Sustainability
Improvement planning	
Improvement Planning, which may include the annual site environment improvement plan, shall take into consideration opportunities for waste avoidance and waste reduction where possible.	All
Inspections and verification assessments	
Site inspections shall be undertaken to ensure the appropriate management of waste at each facility is undertaken and is in accordance with any relevant Part V Licence conditions under the <i>EP Act</i> .	Operations Manager Infrastructure Services / Manager Environment Operations Projects Project Implementation Manager
Verification assessments of contractors and facilities are to be undertaken to ensure that wastes are being dealt with appropriately.	Operations Manager Environment Operations Projects Project Implementation Manager

DOCUMENT CONTROL

Non-mineral waste management plan		
Status	IFU - Issued for Use	9-Mar-23
Summary of Changes	Updated to IO number and new format Supersedes <i>Non-mineral waste management plan</i> (100-PL-EN-1026)	
Author	Jane Humphrey	_____ Signature
Checked or Squad Review# (if applicable)		_____ Signature
Approved	Todd Edwards	_____ Signature
Next Review Date (if applicable)	9-Mar-28	

APPENDIX A COMMONWEALTH AND STATE LEGISLATION RELATING TO WASTE MANAGEMENT

Act / regulation

Environmental Protection Act 1986

Environmental Protection Regulations 1987

Environmental Protection (Controlled Waste) Regulations 2004

Environmental Protection (Rural Landfill) Regulations 2002

Environmental Protection (Unauthorised Discharges Regulations) 2004

Environmental Protection (NEPM UPM) Regulations 2003

Dangerous Goods Safety Act 2004

Health Act 1911

Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974

Health (Asbestos) Regulations 1992
