



Tyre Storage and Disposal Management Procedure Environment

1 Purpose and Scope

This procedure specifies the operational environmental requirements relating to tyre storage and disposal management at the Roy Hill Project. This procedure applies to all personnel involved in activities at the Mine, operations that manage tyre storage and disposal.

2 Procedure

2.1 Management Actions

2.1.1 General Requirements

1. Ensure that tyre storage and disposal is undertaken in accordance with the Operating Licence (L8621/2011/1) and Part 6 of the *Environmental Protection Regulations 1987*.

2.1.2 Tyre Disposal Area

1. Ensure that only waste tyres, conveyor rubber and high density polyethylene (HDPE) pipe are disposed of at the Tyre Disposal Area.
2. Where possible, waste tyres, conveyor rubber and HDPE pipe should be returned back to the vendor or recycled.
3. Deposit Inert Waste Type 2 in accordance with the following:
 - a) In batches separated from each other by at least 100 mm of soil and each consisting of not more than 40 cubic metres (m³) of tyres reduced to pieces; or
 - b) In batches separated from each other by at least 100 mm of soil and each consisting of not more than 1,000 whole tyres.
 - c) No more than 5,000 tonnes per year are to be deposited into the Tyre Disposal Area.

Note: 2 m³ of shredded, broken or pieces of tyres shall be deemed equal to 100 used tyres and any multiple of 2 m³ of tyres shall be deemed to be equal to the corresponding multiple of used tyres.

Note: The size of the tyre shall be disregarded when computing the number of tyres in question.

4. Ensure that a minimum of 1 m clean fill cover is applied as soon as practical following the achievement of final waste levels in the Tyre Disposal Area.
5. Ensure surface water or stormwater is diverted around and away from the Tyre Disposal Area using diversion structures.
6. Allow any water that collects within the Tyre Disposal Area to evaporate and ensure water collected within the Area is not discharged from the Area.

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7. Ensure that restoration of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.
8. Ensure there is a firebreak around the Tyre Disposal Facility.

2.1.3 Used Tyre Storage Area

1. Allow no more than 5,000 used tyres to be stored at the Used Tyre Storage Area.
2. Store used tyres at the Tyre Storage Area in batches of not more than 100 tyres, with a minimum 6 m separation distance between batches.
3. Ensure surface water or stormwater is diverted around and away from the Used Tyre Storage Area using diversion structures.
4. Ensure there is a firebreak around the Used Tyre Storage Area.

2.2 Training and Awareness

1. Toolbox talks highlighting environmental management of tyre disposal and storage will be conducted periodically by the Superintendent Environment Mine (or delegates).

2.3 Monitoring Actions

1. Record the volumes of tyres deposited into the Tyre Disposal Facility in the Landfill Waste Register (100RH-0000-EN-FOR-2021).

2.4 Incidents, Audits and Inspections

1. Undertake compliance audits and inspections against this procedure in accordance with the Environmental Audit Procedure (OP-PRO-00018).
2. Report all non-compliances with this procedure as an incident in accordance with the Incident Reporting and Investigation Procedure (100RH-0000-HS-PRO-2004).
3. Undertake inspections of Tyre Disposal Area and the Used Tyre Storage Area to ensure any environmental requirements are met including but not limited to number of tyres, surface water or stormwater diversion structures, presence of clean fill between batches of tyres and presence of trapped fauna.

2.5 Contingency Actions

1. The Roy Hill Operations Team or Contractors shall contact the Roy Hill Environment Team for assistance should fauna be trapped within a tyre disposal facility. Removal of fauna will be done in accordance with the Fauna Management Procedure (OP-PRO-00134) by the Roy Hill Environment Team.
2. In the event of a tyre fire in the Tyre Disposal Area or the Used Tyre Storage Area, the Emergency Response Procedure will be enacted.
3. Report and rectify to re-establish good working order any damage, malfunction or erosion of the Tyre Disposal Area or the Used Tyre Storage Area.
4. Implement contingency actions relating to tyre disposal or storage identified during inspections, audits and incident reporting.

2.6 Reporting Requirements

1. Incidents and audit findings must be reported and closed out in accordance with the Environmental Audit Procedure (OP-PRO-00018).
2. Complete all reporting required by the Operating Licence.
3. Complete all reporting required within the Contractor Environmental Report (CER) (OP-FRM-00305).

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3 Accountabilities

Unless otherwise specified, the following roles are accountable or responsible for the activities outlined in this procedure.

Role	Responsibility
General Managers	Accountable for ensuring that resources are available to support the implementation of this procedure where it is relevant to their area of responsibility
Managers	Accountable for the implementation of this procedure where it is relevant to their area of responsibility
Superintendents	Responsible for the implementation of this procedure where it is relevant to their area of responsibility
Environment Team	Responsible for review and update of this procedure

Table 1: Accountabilities

4 Abbreviations

Abbreviation	Definition
CER	Contractor Environmental Report
DER	Department of Environment Regulation

Table 2: Abbreviations

5 Definitions

Term	Definition
Environment Team	The Roy Hill Site Environment Team
Manager Environment and Approvals	The Roy Hill Manager Environment and Approvals
Operating Licence	A licence is required under <i>Environmental Protection Act 1986</i> to permit the operation of a facility prescribed in Schedule 1 of the <i>Environmental Protection Regulations 1987</i> . Operating Licences are assessed and approved by the Department of Environmental Regulation (DER)
Operational Environmental Requirements	A plan, procedure or work instruction that must be complied with.
Shall	It must be undertaken and is not negotiable
Should	It must be undertaken, however if it cannot be undertaken or will significantly impact on time or cost then modification to the requirement may be considered by Manager Environment and Approvals
Site Environment Advisor	Roy Hill Site Environment Advisor
Superintendent Environment Mine	The Superintendent of The Roy Hill Mine Environment Team

Table 3: Definitions

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6 References

Document number	Title
OP-FRM-00305	Contractor Environment Report
OP-PRO-00018	Environmental Audit Procedure
100RH-0000-HS-PRO-2004	Incident Reporting and Investigation Procedure
	<i>Landfill Waste Classification and Waste Definitions 1996</i>

Table 4: References

Note that up-to-date environmental documents should be accessed from the e-Care Roy Hill intranet portal to ensure that the current version is being used.

7 Review

This Procedure is to be reviewed as follows:

- Following the grant of or modification to relevant approvals;
- Annually; or
- As a result of findings or actions identified through inspections, audits and incident reporting.

Reviews are to examine the appropriateness of this Procedure, taking into consideration corporate, system and compliance requirement changes since the last review was undertaken.

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