

## Non- Mineral Waste Management

### A Intent

The intent of this standard is to ensure sound non-mineral waste management in Rio Tinto Operations by the minimization of waste generation and ensuring the safe handling, treatment and disposal of all generated wastes.

### B Scope

This standard is applicable to all Rio Tinto Business Units and managed operations from exploration/development and acquisition through to closure and post closure. It covers non-mineral wastes generated by the activities of the operation, or non-mineral wastes received by the operation to dispose or manage on behalf of others.

Mineral wastes generated as a direct product of mining or processing, are addressed in the Mineral Waste Management Standard.

Other relevant documents are:

- Environmental Management System Standard
- Hazardous Materials and Contamination Control Standard
- Mineral Waste Management Standard
- Water Use and Quality Control Standard
- Land Use Stewardship Standard
- Air Quality Control Standard
- Non-Mineral Waste Management Guidance Note

### C Requirements

Rio Tinto Business Units and/or managed Operations are required to:

#### 1.0 *Planning*

- 1.1 Develop, document and maintain a characterisation of the environmental hazards and risks associated with non-mineral wastes generated, disposed on-site and, transported and disposed off-site or managed on behalf of others.
- 1.2 Develop and maintain a documented inventory of non-mineral wastes generated or received and disposed on or off-site.
- 1.3 Maintain measurable indicators and targets for hazard and quantity reduction of significant non-mineral wastes destined for disposal.
- 1.4 Develop internal criteria on waste classification and management when government regulations are absent or incomplete. The criteria must have formal approval from the operations MD and be in line with internationally accepted regulations, guidelines, definitions and methodologies.

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- 1.5 Develop and implement a Non-mineral Waste Management Plan. The plan shall give priority to those wastes identified as having significant hazard and the actions must demonstrate that the waste management hierarchy has been considered, as follows in order of preference:
- a. Waste avoidance and reduction at source;
  - b. Reuse and recycling and;
  - c. Waste treatment and/or disposal.

## **2.0 Implementation and Operation**

- 2.1 Ensure that non-mineral wastes are segregated at generation and that wastes awaiting further treatment transport or disposal are securely contained and monitored.
- 2.2 Maintain operational procedures and effective controls for the safe handling, on-site and off-site transportation, storage and disposal of non-mineral wastes commensurate with their degree of hazard and compatibility.
- 2.3 Maintain records of all wastes sent off-site, and a documented inventory and location of on-site waste landfills and storage areas. Historical and abandoned landfills shall be included in this inventory and their location document.
- 2.4 Disposal of waste must only be carried out in engineered and approved facilities and in accordance with established operational procedures.
- 2.5 Undertake verification assessments of contractors and facilities used for wastes sent off-site for disposal or treatment, to verify that the wastes have been dealt with appropriately.

## **3.0 Performance Measurement**

- 3.1 Establish a procedure to inspect and monitor waste handling and storage facilities commensurate with the degree of hazard of the waste. Corrective action must be taken where unacceptable conditions are identified.
- 3.2 The Non-mineral Waste Management Plan must be reviewed at least every four years or more frequently when operational or environmental conditions so dictate.

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