SECTION 13: Waste

13.1 OBJECTIVE
To ensure all waste generated on the site is appropriately segregated, stored and disposed of in accordance with regulatory requirements. Any waste generated, transported, or received as part of carrying out an activity is managed in a way that protects all environmental values.

13.2 REFERENCES
Environmental Protection Act 1994 – Application requirements for activities with Waste impacts.
Lockyer Valley Regional Council DA Conditions
Helidon Resources Site Based Management Plan
EMP Section 3 – Process Flow Chart
EMP Section 3.1- General Description of Operations
EMP Section 4 – Aspects Procedure
EMP Section 4.1 – Aspects and Impacts register
EMP Section 8 - Communication
HR-2-003 - Aspects and Impacts Assessment Register

13.3 Types of Waste
Due to the nature of Sandstone and the market for it, any material or by product as a direct result of the Mining Process for dimensional stone can be further processed to produce other products in other markets. Hence there is minimal waste generated from the actual product.

Waste from the office will be similar to that of general domestic waste and will be stored in bins and disposed of accordingly. Similar to that of domestic waste, recyclables such as paper, cardboard, plastic etc. will be stored separately and disposed of for further recycling.

Waste sources can be further identified by section 3 of this EMP – process flow chart.

Liquid wastes such as engine oil etc. as a result of plant maintenance shall be collected in an approved container, labeled and removed from site. Disposal of such waste shall be at an approved waste disposal centre in accordance with the waste management hierarchy

A flow chart in Attachment 1 of this procedure shows the process for disposing of waste at Helidon Resources.

13.4 General
Any waste generated on site is to be stored, labeled and disposed of appropriately. Solid wastes, if any, are to be stored in waste bins. Liquid wastes shall be addressed as above with the container appropriately labeled to identify the substance contained.

Waste minimisation will be promoted through efficient resource allocation and recycling. Where possible recycling and reuse of excess material and packaging (paper, cardboard, drums and pellacons) will be carried out to reduce the environmental impact of disposing waste to landfill.

All employees shall ensure that waste generated in their area is appropriately stored, and labeled, and removed from site in accordance with this procedure.

All reasonable and practical measures must be taken to ensure that no liquid wastes are allowed to be released from the premises to enter the storm-water system, road side gutters, or any waters, banks or beds of any waters (creeks, rivers etc.).

A flow chart in Attachment 1 of this procedure shows the process for disposing of waste at Helidon Resources.

It must be noted that no Hazardous / Regulated wastes exist on the site or are generated from the mining process, however to ensure all possibilities are considered, it has been included in this section.
13.5 Complaints about Waste
With the present management practices in place and the nature of the operations, any issues in relation to waste should not cause community complaints. Should any complaints be received, the reason for the complaints will be investigated and documented. If the problem is likely to occur again, investigation into modification of process or introduction of pollution control devices or other equipment will be necessary. Community complaints will be handled in accordance to the Communications section of this EMP.

13.6 RESPONSIBILITIES
The Site Manager and Safety / Environmental Representative will be responsible for ensuring all control measures regarding waste are carried out and maintained on site. All employees are responsible for conducting regular housekeeping in their work area. The Site Manager is responsible for handling / responding to environmental complaints.

13.7 DOCUMENTATION
None
Site Based Management Plan
Attachment 1: Waste Disposal flow chart

TYPE OF WASTE

LIQUID WASTE
- Stored in designated container/ drum and/or bund
- Maintenance person generating waste ensures container/ bund is labelled
- When Manager or employee sees container/ bund is filling up, organise to call in disposal contractor.

HAZARDOUS/REGULATED WASTE
- Stored in container
- Employee generating waste ensures container is labelled appropriately
- When Manager sees or employee sees containers filling up OR there is waste stored ready for collection, disposal contractor is contacted

SOLID/INERT WASTE
- Stored wastes skip (recyclable materials stored in a separate skip)
- When Manager sees or employee sees skips filling OR on regular schedule, contractor is contacted or makes scheduled collection visit

Site Manager to ensure the waste data form is completed correctly and that associated documentation is passed onto the Safety and Environmental Representative for record keeping.