SECTION 9: HAZARD & EMERGENCY

9.1 OBJECTIVE
To ensure that all areas of the environment including the air, noise, water (including Storm water) and land are not adversely impacted as a result of any operational hazards or environmental emergencies at the Helidon Resources site.

9.2 REFERENCES
Lockyer Valley Regional Council Development Approval Conditions
Dept Environment and Heritage Protection guidelines.
HR-2-006 Helidon Resources Incident Investigation Form
HR-2-017 Hazard and Emergency Response Procedure
Section 15 Spill Response
Section 13 Waste
Section 17 Storage of Materials and Substances
Section 20 Plant housekeeping and Preventative Maintenance

9.3 DEFINITIONS
Environmental incident/ emergency: is the unexpected event possibly involving injury, pollution, significant nuisance, regulatory concern, public complaint and unnecessary waste.
Examples of incidents/ emergencies include:
- Explosions on site or at neighbouring sites;
- Monitoring results revealing significant non-conformance with legislation;
- Accidental spill or release into the water, land and/or air environments;
- Fire; and
- Other significant unplanned events resulting in environmental impairment.

9.4 ACTION ITEMS

9.4.1 Potential emergencies/ hazard areas
Potential emergency situations that exist on the site include:
1. Fire
2. Storm water Runoff in Abnormal Rain Event
3. Spill or release of substances (to water, land and air).

The most significant areas where operational hazard potential exists include:
- Minor storage of liquids (Hydraulic Oil, Engine Oil, Grease etc.);
- Fire (in any part of the office, especially significant if in the vicinity of vegetation on the property in the appropriate climate);
- Overflow from silt / sediment retention dams.

9.4.2 Hazard management
All temporary storage of liquids such as oils etc. shall be suitably contained within a bunded area or bunded pallet depending on quantities. Should there be any accidental releases, these will be contained. Cleaning out and maintenance of bunds / pallets will be conducted in accordance to the ‘Plant Housekeeping and Preventative Maintenance’ section. Waste substances pumped out of the bunded areas shall be handled in accordance to the ‘Solid and Liquid Waste’ section.
Spill response equipment is located at this Bunded storage area.
9.4.3 Emergency Response
All efforts shall be made to protect the environment from potential impacts as a result of a serious incident where human life is not a risk. Where it is unsafe to physically use spill equipment etc. the designed containment at the facility as a whole, shall be relied on to minimize any potential impacts to the environment.

Response to fire:
Where safe, during small fires those people trained in fire fighting should gear up in appropriate fire fighting attire and extinguish fire with portable fire fighting extinguishers. Any water supply in the area should also assist with reducing flames.

For large fires, ‘000’ will be dialled or the local fire authority contacted. The contact emergency numbers are displayed on site. The site should be evacuated accordance to the site evacuation plan.

If the fire is in the office or building, no one is allowed to re-enter the building until the fire fighters give the authority to do so.
Routine cleaning of vegetation around the office will be carried out to eliminate the risk.

Storm water Runoff in Abnormal Rain Event:
Emergency response to abnormal rain event involves relocation of the plant via the safest/most direct route to a safe location. Where possible, storm-water entry points should be blocked off to ensure any liquid does not enter the quarry area. Routine maintenance of silt retention areas will minimise the impact of such an event.

Bulk Spill or Release:
The first person to notice a spill/leak/release is to initiate corrective action. When the substance that is leaking/being released can be identified, employees will immediately commence clean-up/corrective actions and protective measures to ensure that the water and environments are not impacted.
Any storm-water entry points to the natural vegetation/Wrights Creek should be blocked off to ensure any liquid does not enter the storm-water system.

9.5. RESPONSIBILITIES
Ongoing checking and cleaning of Stormwater Berm Walls and Silt retention ponds bunds is the responsibility of the Site Manager.

The Safety and Environment Representative is responsible for ensuring that transport drivers are familiar with the controls to prevent incidents during loading of product.

Should any machine with pollution control equipment malfunctions occur, the machine will be shut down and isolated until repairs can be undertaken.

All staff, contractors and visitors at the site are responsible for understanding their actions during an emergency situation.

9.6 DOCUMENTATION
Helidon Resources Incident Investigation Form HR-2-006