



The Chandler Proposal - Human health and safety

How are risks assessed?

A human health and safety hazard and risk assessment was prepared to show that residual risk levels would be acceptable in relation to humans and the surrounding environment, and that potential risks would be appropriately managed.

The assessment involved:

- Identifying potential hazards during construction, operation, and closure and rehabilitation .
- determining the probability (likelihood) and consequence (effects) of hazardous events.
- Identifying approaches (mitigation and management measures) to avoid or reduce the potential hazards (and associated risks).

What risks were identified?

Hazardous materials that would be present onsite were identified as a potential risk, such as;

- Hazardous chemicals for storage.
- diesel for equipment and vehicles.
- Oils and lubricants.
- Explosives for construction.
- Dust.

What are the mitigation measures?

- Containers would be handled in appropriately bunded areas to minimise the surface area of spills and to enable efficient clean-up of any spilled material.
- Load restrictions would be implemented for all trucks delivering waste materials to the site and a collision avoidance system would be developed to prevent potential accidents.

Additional mitigation and management measures would be detailed in management plans for Construction Environmental Management Plan, Operational Environmental Management Plan and/or Rehabilitation and Closure Plan for the Proposal.

These documents would include:

- A Waste Acceptance Procedure.
- Waste Acceptance Criteria.
- Waste Zoning Guide.
- Traffic Management Plan.
- Air Quality Management Plan.
- Drug and Alcohol Management Plan.

The plans and procedures would be developed with reference to applicable legislation and regulations (NT and Australian). The implementation of these plans and procedures would minimise the risk of adverse impacts to human health to as low as reasonably achievable.

