



## **Background Information Document Nitric Acid Storage Tanks Facility Modderfontein Factory AEL Mining Services Limited**

### **Nitric Acid**

Nitric acid is used in the preparation of ammonium nitrate and explosives. Nitric acid is produced by oxidation of ammonia.

### **Proposal**

It is proposed to install two 1500ton 60% nitric acid storage tanks in an area where there are currently another four 90 ton nitric acid storage tanks. These are located within the Nitrates footprint at the Modderfontein Industrial Complex.

The New tanks will be bunded together with the existing four tanks. The new tanks will be filled from the existing line used to fill the existing storage tanks. The nitric acid will then be delivered to the existing Nitric Acid torpedo tanks via gravity feed from the new tanks.

### **Environmental Impact Assessment process**

AEL Mining Services Modderfontein factory is committed to maintaining a healthy environment and is therefore, not only obligated by law, to invite environmental comment on its new changes but also in terms of its own environmental policy.

You have been identified as a potentially interested and affected party

### **What it means to Modderfontein and You**

The addition of nitric acid tanks situated within the Nitrates footprint area of Modderfontein is only accessible through a controlled access.

The project will necessitate some construction and installation of tanks however this should not have any impact on the surrounding operations.

The project is not expected to bring about any negative changes to the environment, but has the potential to increase the strategic amount of Nitric Acid storage on site.

### **Legal requirements**

By the nature of this activity, it is necessary, in terms of the legislation, to carry out an Environmental Impact Assessment in the format of a Basic Assessment, which will be submitted to the Gauteng Department of Agriculture and Rural Development for authorisation.

You are therefore cordially invited to contact the environmental consultant below before 08 February 2013 if you wish to know more about the process or the project, and/or you wish to become a registered Interested and Affected Party. Should there be sufficient interest or significant concerns further public interactions will be held.

**Chris Williams/Mukundwa Phalandwa**  
**Willchem Risk & Environmental Consultants**

**Tel 011 462 6052,**

**Fax & SMS 011 704 4593,**

**[willchem@icon.co.za](mailto:willchem@icon.co.za)**

**Location map for the proposed Nitric Acid Storage**

