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Department:
Agriculture and Rural Development
North West Provincial Government
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**CHIEF DIRECTORATE: SUSTAINABLE RESOURCE
MANAGEMENT
RESEARCH AND TECHNOLOGY DEVELOPMENT**

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Atlas Clay Mining
PO Box 1449
Haaskraal 490 IQ
Potchefstroom
2520

Dear Sir,

**SUITABILITY OF KAOLIN RESERVES ON HAASKRAAL (490 IQ) FOR USE IN
FERTILIZER**

Kaolin has been mined on the stated property for a number of years. As a recognized Kaolin deposit the resource is suitable for a number of applications in industry, including the fertilizer industry. Kaolin is used as carrier and/or diluent in fertilizers as it is highly absorbent and dispersible. What makes it useful further that it is an extremely inert substance within a wide range of pH.

Kaolin is used extensively in the production of ammonium nitrate and urea fertilizers that are hygroscopic and very soluble. The inclusion of Kaolin prevents the granular structure of the fertilizer from forming lumps that cause challenges during fertilizer application.

The Kaolin deposits at Haaskraal 490 IQ have been used in fertilizer applications and have been proven to be suitable for use in standard agricultural fertilizer applications.

It is hoped that you find this in order.

Sincerely,

CHM de Brouwer
Scientific Manager: Technology Development & Transfer