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Attention: **Karen Versfeld**

Dear Karen

De Aar 1 Wind Energy Facility – TIA Addendum

We refer to your request for the re-assessment of the De Aar 1 Wind Farm, specifically with regards to the transport impact on the Smauspoort Road (DR2450).

ITS Engineers conducted a transport impact assessment (TIA) dated September 2010 for the proposed De Aar 1 Wind Farm. This letter summarises our findings on the re-assessment of the transport impact and serves as an addendum to the September 2010 TIA.

In the September 2010 TIA ITS Engineers recommended that the Smauspoort Road should be upgraded with a permanent sealed surface. This recommendation was based on the high number of heavy vehicles during the construction period and the assumption that the average daily traffic (ADT) along the Smauspoort Road during the operational phase will be more than 100 vehicles per day.

Although the upgrade of the Smauspoort Road with a sealed surface will reduce the long-term maintenance cost of the road. The cost of the upgrade is not justified by the expected ADT during the operational phase of the project. The expected increase in the ADT along Smauspoort Road as a result of the Wind Farm, once the construction is complete is three vehicles per day. This increase is insignificant and long term maintenance by the Wind Farm is not required.

Furthermore, the upgrade of the Smauspoort Road with a sealed surface will also introduce possible safety issues with regards to speeding along the road. The horizontal and vertical alignment along the Smauspoort Road does not allow for speeds higher than 80km/h along some sections of the road. With the sealed surface the operational speeds is likely to increase along sections of the road, which is a road safety concern.

Based on the above, it is recommended that the Smauspoort Road should rather be maintained on a regular basis. The road should be graded and spayed with water regularly to improve the road surface and restrict dust pollution and gravel loss. If possible, grey water should be sourced to spray the road. There are also good gravel sources available in the vicinity for re-gravel purposes.

After construction of the development is completed the Smauspoort Road must be repaired where necessary and restored to satisfactory condition.

We hope this adequately address the re-assessment of the transport impact on the Smauspoort Road. Please let us know if you need more information.

Yours Sincerely,

A handwritten signature in black ink, appearing to be 'PA' with a stylized flourish extending to the right.

Pieter Arangie
For ITS Engineers