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Ref: Ilanga CSP 7

Savannah Environmental (Pty) Ltd
PO Box 148
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Attention: Ms. Sheila Muniongo

Dear Madam

SPECIALIST STUDY: NOISE IMPACT ASSESSMENT: PROPOSED ILANGA CSP 7 NEAR UPINGTON

The above-mentioned issue is of relevance.

I conducted an Environmental Noise Impact Assessment (ENIA) during October 2010 for the proposed Karoshoek Solar Valley development, titled "*Noise Impact Assessment for Scoping purposes: Establishment of the Project Ilanga within the Karoshoek Solar Valley Park near Upington, Northern Cape*", (MENCO, 2010). The Scoping Study indicated a low risk for a noise impact on the closest potential noise-sensitive receptors.

Emvelo Eco Projects (Pty) Ltd ("Emvelo"), an independent developer of concentrating solar power (CSP) plants, is in the process of investigating **three new CSP** facilities of up to 150MW each and **associated infrastructures** (power line, pipeline and access roads) to form part of the Karoshoek Solar Valley Development.

This letter specifically concerns the proposed Ilanga CSP 7, comprising of heliostats and a molten salt tower system that have a generation capacity of 150MW.

Infrastructure associated with the project includes:

- Molten salt tower (MTS) up to 270m in height with surrounding heliostat field.
- Waste management infrastructure including evaporation dams and a wastewater treatment facility.
- On-site substation and associated 132kV power line linking the facility to the national electricity grid.
- Access roads and internal access roads.
- A water supply pipeline from the Orange River (including water treatment, storage reservoirs and evaporation ponds).

Considering the location of the proposed development (see also Figure 1 attached), a review of an aerial image (dated 2013/09/19, GoogleEarth) indicated that there are no potential noise-sensitive receptors within 5,000m from the proposed development. Therefore, the risk of a noise impact would be insignificant and no noise impact assessment will be required.

Should you require any further details, or have any additional questions, please do not hesitate to call me on the above numbers.

Yours Faithfully,

Morné de Jager
Enviro-Acoustic Research cc



Figure 1: Ilanga CSP 7 – site location