

Civil Aviation Compliance Statement For the Harmony One Plant Solar PV Facility application for Environmental Authorisation

This compliance statement has been prepared by an Environmental Assessment Practitioner. This Compliance Statement is applicable to the Harmony One Plant Solar PV Facility, which is located at co-ordinate 28° 2'8.36"S, 26°45'8.55"E.

The sensitivity rating for the site is as follows:

Table 1: Identified sensitivity in terms of the national web-based screening tool for the development

Identified Specialist Assessment	Identified Sensitivity		Comment
	By DFFE Screening Report	By EAP	
Civil Aviation Assessment	Medium Sensitivity	Low Sensitivity	The Harmony One Plant PV facility is located approximately 11.4 km north-west of the Harmony Airfield.

A medium sensitivity rating has been indicated by the DFFE screening tool due to the proximity to a landing strip. This indicates a low potential for negative impacts on the civil aviation installation, and a high potential for mitigation of impacts. The landing strip is located 11.4km south east of the PV development footprint. The location is illustrated in the attached map. The planned facility is not in direct line of the approach/departure line of the landing strip.

The proposed development, however, would not negatively affect any civil aviation activity at the landing strip given that:

- the PV panels are <5m in height, as measured from ground level
- the planned facility is not in direct line of the approach/departure line of the landing strip
- the result in the visual assessment undertaken for the PV facility indicates that the glint and glare is considered to be of low significance, due to the long distance in between the proposed PV facility and the airfield. No mitigation of this impact is required since the PV facility is not expected to interfere with aircraft operations at the airfield.
- the facility does not comprise any telecommunications structures that may have potential to interfere with navigation/communication
- the Harmony Airfield is for use by the Harmony Mine, who is also the owner of the proposed PV facility, and there is therefore no objection relating to the facility.

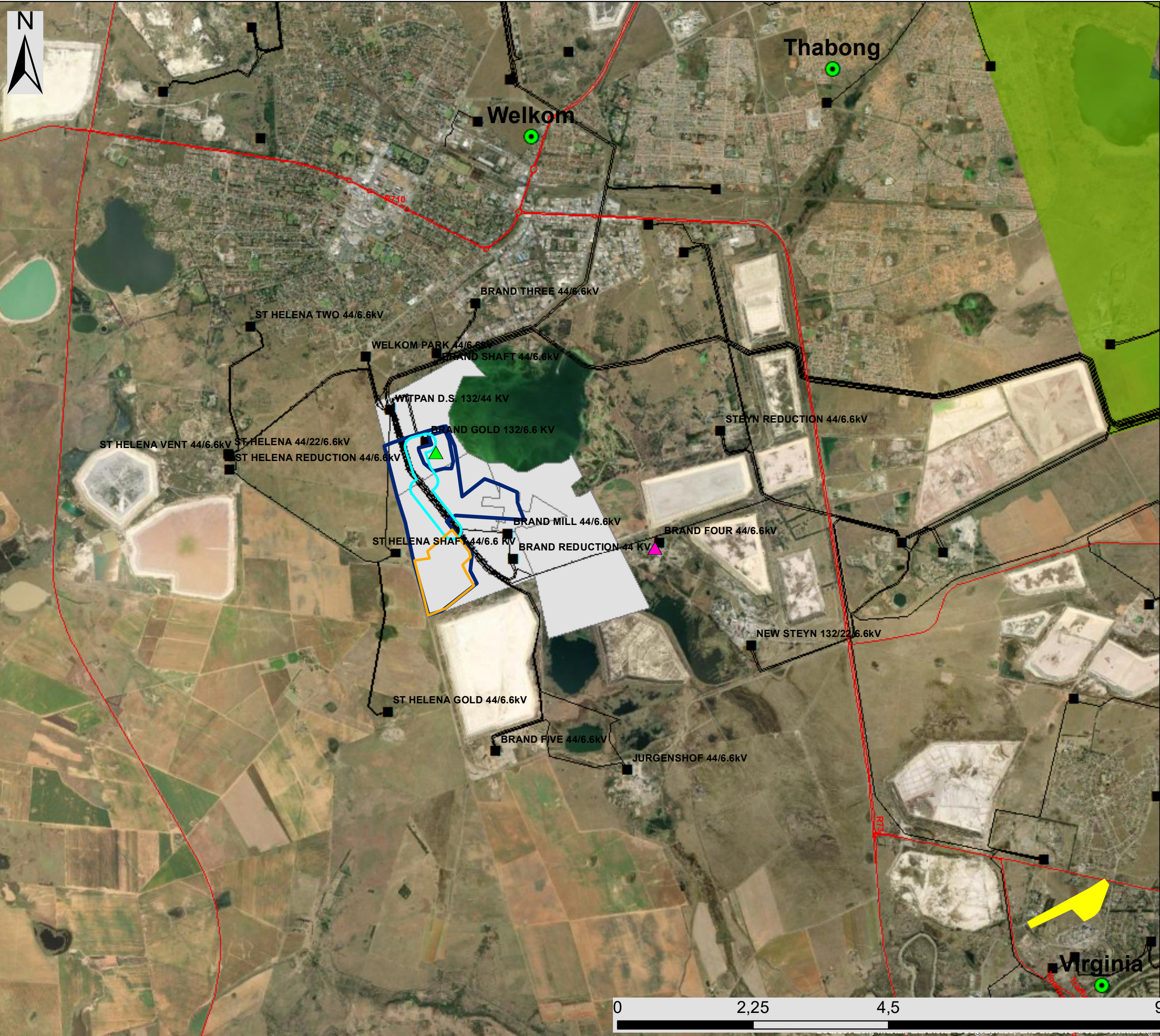
The proposed development will not have an unacceptable impact on the landing strip. Further assessment of the potential impacts is not required.

During the public participation for the EA Application, the South African Civil Aviation Authority (SACAA) was consulted and invited to attend key stakeholder workshops. No formal response has been provided by SACAA regarding the Harmony One Plant Solar PV facility.

Drafted by EAP



Jo-Anne Thomas



Harmony One Plant Solar PV Free State Province

Civil Aviation Map

Legend

-  Town
 -  Harmony 1 Gold Plant
 -  Bambanani Mine Welkom
 -  Eskom Substation
 -  Existing Power Line
 -  Thabong Game Farm
 -  Harmony
- ### Harmony Proposed Development
-  Harmony One Plant Development Area
 -  Grid Connection Corridor (300m)
 -  Development Footprint
 -  Affected Properties

Scale: 1:50 000
 Projection: GCS_WGS_1984
 Map Ref: Harmony CA Map

