

APPENDIX F1 – CHECKLIST ANALYSIS

The independent consultant conducted a site visit on 10 February 2016. The site visit was conducted to ensure a proper analysis of the site specific characteristics of the study area. The table below provides a checklist, which is designed to stimulate thought regarding possible consequences of specific actions and so assist scoping of key issues. It consists of a list of structured questions related to the environmental parameters and specific human actions. They assist in ordering thinking, data collection, presentation and alert against the omission of possible impacts.

Table: Environmental checklist

QUESTION	YES	NO	Un-sure	Description
1. Are any of the following located on the site earmarked for the development?				
I. A river, stream, dam or wetland		X		None
II. A conservation or open space area		X		None.
III. An area that is of cultural importance		X		The Heritage Impact Assessment (refer to Appendix D1) indicated that no sites, features or objects dating to the Stone Age, Iron Age nor Historical period were identified in the study area.
IV. Site of geological significance	X			The EIA and the geotechnical investigation conducted in 2012 found that the site is subject to the presence of dolomite. The geotechnical study, recommended that a dolomitic stability investigation be conducted prior to construction. Mitigation measures will be provided in the Environmental Management Programme (refer to Appendix F) to avoid the formation sinkholes and to limit the risks involved should a sinkhole develop.
V. Areas of outstanding natural beauty		X		None.

VI. Highly productive agricultural land		×		The proposed development will have a low negative impact on agricultural potential in terms of cattle production in the area, and no negative impact on crop production.
VII. Floodplain		×		None.
VIII. Indigenous forest		×		None.
IX. Grass land		×		None.
X. Bird nesting sites		×		None.
XI. Red data species		×		The ecological specialist report indicated that suitability of the habitat for Red Data flora and fauna species is low – moderate (Refer to Appendix D3).
XII. Tourist resort		×		None.
2. Will the project potentially result in potential?				
I. Removal of people		×		None.
II. Visual Impacts	×			The Waterloo PV complex will have a limited visual impact on the visual environment within 2 km of the proposed facility.
III. Noise pollution		×		Construction activities will result in the generation of noise over a period of months. The noise impact is unlikely to be significant.
IV. Construction of an access road		×		None.
V. Risk to human or valuable ecosystems due to explosion/fire/ discharge of waste into water or air.		×		None.
VI. Accumulation of large workforce (>50 manual workers) into the site.	×			Approximately 300 employment opportunities will be created during the construction phase of the entire project.

VII. Utilisation of significant volumes of local raw materials such as water, wood etc.	×			The estimated maximum amount of water required during the entire facility's 20 years of production is approximately 3 000m ³ per annum.
VIII. Job creation	×			Approximately 350 employment opportunities will be created during the construction and operational phases.
IX. Traffic generation		×		None.
X. Soil erosion		×		The site will need to be cleared or graded to a limited extent, which may potentially result in a degree of dust being created, increased runoff and potentially soil erosion. The time that these areas are left bare will be limited to the construction phase, since vegetation will be allowed to grow back after construction.
XI. Installation of additional bulk telecommunication transmission lines or facilities		×		None.
3. Is the proposed project located near the following?				
I. A river, stream, dam or wetland		×		None.
II. A conservation or open space area		×		None.
III. An area that is of cultural importance		×		None.
IV. A site of geological significance	×			The EIA and the geotechnical investigation conducted in 2012 found that the site is subject to the presence of dolomite.
V. An area of outstanding natural beauty		×		None.
VI. Highly productive agricultural land		×		None.
VII. A tourist resort		×		None.
VIII. A formal or informal settlement		×		None.