

Appendix G

EMPr

ENVIRONMENTAL MANAGEMENT PROGRAMME

PROPOSED ESTABLISHMENT OF A 45M HIGH LATTICE TELECOMMUNICATION MAST AND ASSOCIATED INFRASTRUCTURE ON ERF 33, UMZINTO NORTH



APRIL 2023

Compiled by: ***EnviroAfrica*** cc

INDEPENDENCE & CONDITIONS

EnviroAfrica is an independent consulting firm that has no interest in the proposed activity other than fair remuneration for services rendered. Remuneration for services is not linked to approval by decision making authorities and EnviroAfrica has no interest in secondary or downstream development as a result of this project. There are no circumstances that compromise the objectivity of this EMPr. The findings, results, observations and recommendations given here are based on the author's best scientific and professional knowledge and available information. EnviroAfrica reserves the right to modify aspects of this report, including the recommendations if new information becomes available which may have a significant impact on the findings of this report.

RELEVANT QUALIFICATIONS & EXPERIENCE OF THE EAP

This EMPr was prepared by Bernard de Witt, who has more than 30 years of experience in environmental management and environmental impact assessments.

Bernard: After qualifying with a B. Sc. in Forestry and a B. A. (Hons) in Public Administration at the University of Stellenbosch Bernard joined the Department of Forestry as an Indigenous Forest Planner in 1983, going on to become Manager of the Table Mountain Reserve with the Cape Town Council. He then joined Cape Nature Conservation (CNC) and headed its Conservation Planning Section before taking up the position of District Manager of the Boland area (inc. the Hottentots Holland and Kogelberg). As a Regional Ecologist, he co-ordinated managerial and scientific inputs into Provincial Nature Reserves in the Boland, Overberg and West Coast regions of the Western Cape Province. For the last four years of his employment, he assessed and evaluated development applications, from an environmental perspective, on behalf of CNC (now Western Cape Department of /environmental Affairs and Development Planning ("DEA&DP")). Since he left DEA&DP, he has been involved in environmental consulting in the private sector as a member of EnviroAfrica.

The building contractor must contact the ECO at any stage if unsure about any matter, or if a pollution incident occurs, or vegetation or animals are damaged.

ECO = Environmental Control Officer

PRE-CONSTRUCTION PHASE	Responsibility
Photographs of the site must be taken and kept as a record at the crematorium	ECO
Position and orientation of the base station must be pegged. The Environmental consultant/ECO must approved positioning.	ECO & Main contractors
Construction area to be marked of before construction starts.	ECO & Main contractors
Site area for stock piling of building material	ECO & Main contractors
Site area for storing of waste material	ECO & Main contractors
Fence off the construction site with mesh fencing of 1.8m, where necessary	Main building contractor
Sensitive features that may be harmed must be demarcated.	ECO

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Vegetation that must not be removed must be clearly marked.	ECO
Soil stabilisation measures that may be required must be determined	ECO & Main contractors
Rehabilitation plan must be drawn up where necessary	ECO & Main contractors
Construction team must be given environmental awareness training in a language that suits the construction team and records kept that show the date of training and names of the construction team members that received training.	ECO & Main contractors
CONSTRUCTION PHASE	
Photographs	
Photographs of the site must be taken and kept as a record at a suitable secure location	ECO
Construction crew behavior	
Construction crews must work only during normal office hours and must not spend the night on site.	Building contractor
No loud music is allowed on site	Building contractor
Construction crew must stay within the demarcated construction area, <i>i.e.</i> , within the boundaries of the sugarcane field on which the proposed site is located	Building contractor
No pets permitted on site	Building contractor
Machinery used must be carefully considered to limit environmental damage	Building contractor
No vegetation other than that agreed on may be damaged - <i>i.e.</i> , no access to areas outside construction area.	Building contractor
No littering allowed	Building contractor
Excavations	
Commercial sources of sand, rock and gravel to be confirmed with ECO	ECO & Main contractors
All surplus material must be disposed of at a suitable and legally approved municipal waste disposal site	ECO & Main contractors
Toilets	
Must be secured to prevent them from blowing over. They must be serviced regularly, according to the manufacturer's instructions.	Building contractor
Fire Prevention	
At least one type ABC (all-purpose) 12.5kg extinguisher must be on site at all times	Building contractor
Fire fighting equipment to be stored on site while construction takes place.	Building contractor
No fires, including cooking fires, allowed on site	Building contractor
Cement	
Ready mix concrete should be used where possible	Building contractor
Concrete may only be mixed within the boundaries of the demarcated area	Building contractor
All excess cement & concrete mixes to be contained on construction site prior to disposal off site	Building contractor
Cement contaminated water must not enter the ground-water system.	Building contractor
Mixing and storage areas must be appropriately located	Building contractor
Dust pollution control	
All loose building material must be covered to prevent dust pollution	Building contractor
Water run-off	
Rainwater from the building site must be contained and allowed to dry out, so as to not transport any pollutants into	Building contractor

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the surrounding area	
Temporary trenches, straw stabilising, brush cutting can be used.	Building contractor
Waste control	
Cement contaminated water, paint, oil, cement slurries etc must be stored in watertight containers	Building contractor
Store all refuse & waste material in wind and animal proof containers	Building contractor
Waste must be disposed of at a legally approved and suitable waste disposal site	Building contractor
Use of generators and fuel powered equipment	
A watertight cover must be placed under any power generator equipment in order to prevent accidental spillage of fuel & oil seeping into the soil.	Building contractor
All waste material generated from the use of this equipment must be contained and removed from the site	Building contractor
Mobile fuel powered equipment must be well maintained and must not have any fuel or oil leaks.	Building contractor
POST CONSTRUCTION PHASE	
Clearing of site	
Remove all unwanted concrete and alien materials from site	Building contractor
Site must be cleared of all waste and building material	Building contractor
Photographs	
Photographs must be taken after completion of works and kept as records at a suitable secure location	ECO
Audit	
Audit within six weeks of completion of construction work and within one year thereafter.	Environmental consultant
Audit reports must be submitted to the competent authority for consideration	Environmental consultant