

**PROPOSED CONSTRUCTION AND OPERATION OF A WAVE ENERGY
CONVERTER ADJACENT TO THE ABAGOLD FARMS, HERMANUS**

BASIC ASSESSMENT REPORT

APPENDIX G: OTHER INFORMATION

Prepared for:

Department of Environmental Affairs

On behalf of:

Abagold

Prepared by:

Anchor Environmental Consultants (CC)

**DEA ACCEPTANCE OF NEW APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION
PROCESS AND LETTER OF PERMISSION TO DOWNGRADE TO BASIC ASSESSMENT**



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447- PRETORIA - 0001- Fedsure Building - 315 Pretorius Street - PRETORIA
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NEAS Reference: DEAT/EIA/0000505/2011

DEA Reference: 12/12/20/2405

Enquiries: Nyiko Ngoveni

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Barry Clark
Anchor Environmental Consulting (Pty) Ltd
8 Steenberg House
Silverwood Close
TOKAI
7945

Fax: 021 701 3420
Tel: 086 542 8711

PER FACSIMILE / MAIL

Dear Sir/Madam

**ACKNOWLEDGEMENT OF RECEIPT AND ACCEPTANCE OF NEW APPLICATION FOR
ENVIRONMENTAL AUTHORISATION (SCOPING/EIA PROCESS) FOR THE PROPOSED
ABAGOLD WAVE ENERGY CONVERTER IN HERMANUS, OVERSTRAND MUNICIPALITY,
WESTERN CAPE**

The Department confirms having received the Application Form, EAP Declaration of Interest and request to apply Basic Assessment instead of Scoping/EIA on 31 August 2011 for environmental authorisation for the abovementioned project. The Application is accepted. Please note that the Department will reply in due course with regards to your request.

Please include both reference numbers (NEAS Reference and DEA Reference), as listed above, on all documents and correspondence submitted to the Department.

Please note that one hard copy and one electronic copy (saved on CD/DVD) of draft reports, and five hard copies and one electronic copy of final reports must be submitted to the Department.

In addition, please consider the following during compilation of reports for this application for environmental authorisation:

- All applicable Departmental Guidelines must be considered throughout the application process. These can be downloaded from the Department's website: www.environment.gov.za, Environmental Impact Management button, listed under "EIA Administration": Integrated Environmental Management Information Series link. These include, but are not limited to, the following topics: Scoping, Environmental Impact Reporting, Stakeholder Engagement, Specialist Studies, Impact Significance, Cumulative Effects Assessments, Alternatives in EIA and Environmental Management Plans.
- Please be advised that in terms of the EIA Regulations and NEMA the investigation of alternatives is mandatory. Alternatives must therefore be identified, investigated to determine if they are feasible and reasonable. It is also mandatory to investigate and assess the option of not proceeding with the proposed activity (the "no-go" option).
- Should water, solid waste removal, effluent discharge, stormwater management and electricity services be provided by the municipality, you are requested to provide this office with written proof that the municipality has sufficient capacity to provide the necessary services to the proposed development. Confirmation of the availability of services from the service providers must be provided together with the reports to be submitted.
- In the reports to be submitted it must clearly be demonstrated in which way the proposed development will meet the requirements of sustainable development. You must also consider energy efficient technologies and water saving devices and technologies for the proposed development. This could include measures such as the recycling of waste, the use of low voltage or compact fluorescent lights instead of incandescent globes, maximising the use of solar heating, the use of dual flush toilets and low-flow shower heads and taps, the management of storm water, the capture and use of rainwater from gutters and roofs, the use of locally indigenous vegetation during landscaping and the training of staff to implement good housekeeping techniques.
- The applicant/EAP is required to inform this Department in writing upon submission of any draft report, of the contact details of the relevant State Departments (that administer laws relating to a matter affecting the environment) to whom copies of the draft report were submitted for comment. Upon receipt of this confirmation, this Department will in accordance with Section 240(2) & (3) of the National Environmental Management Act, 1998 (Act 107 of 1998) inform the relevant State Departments of the commencement date

of the 40 day commenting period, or 60 days in the case of the Department of Water Affairs for waste management activities which also require a licence in terms of the National Water Act, 1998 (Act 36 of 1998).

- Should it be necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999), please submit the necessary application to SAHRA or the relevant provincial heritage agency and submit proof thereof with the Basic Assessment Report/Environmental Impact Assessment Report. The relevant heritage agency should also be involved during the public participation process and have the opportunity to comment on all the reports to be submitted to this Department.

In terms of regulation 67 of the EIA Regulations, 2010 this application will lapse if the applicant (or the EAP on behalf of the applicant) fails to comply with a requirement in terms of the Regulations for a period of six months after having submitted the application, unless the reasons for failure have been communicated to and accepted by this Department.

You are hereby reminded that the activity may not commence prior to an environmental authorisation being granted by the Department.

Yours sincerely



Mr Ishaam Abader

Deputy Director-General: Environmental Quality and Protection

Department of Environmental Affairs

Letter signed by: Ms Nyiko Ngoveni

Designation: Environmental Officer: Environmental Impact Evaluation

Date: 12/09/2011

CC:	Pierre Hugo	Abagold Ltd	Tel: 021 313 0253	Fax: 028 312 2194
	Directorrate IEM	Department of Environmental Affairs and Development Planning	Tel: 021 483 4094	Fax: 021 483 4372
	A Muller	Overstrand Municipality	Tel: 028 313 8000	Fax: 028 313 1894

DEA LETTER OF PERMISSION TO DOWNGRADE TO BASIC ASSESSMENT



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Dr. Barry Clark
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PER FACSIMILE / MAIL

Dear Dr. Clark

APPLICATION FOR PERMISSION TO APPLY BASIC ASSESSMENT INSTEAD OF SCOPING AND ENVIRONMENTAL IMPACT REPORTING PROCESS IN TERMS OF SUB-REGULATION 20(4) OF GN NO. R543: PROPOSED CONSTRUCTION OF THE ABAGOLD WAVE ENERGY CONVERTER IN THE OVERSTRAND MUNICIPALITY, WESTERN CAPE PROVINCE

1. Your letter and motivation dated 15 September 2011 received by the Department on 22 September 2011 has reference.
2. With reference to the abovementioned letter, please be advised that the Department has decided to grant permission, in terms of regulation 20(4) of the Environmental Impact Assessment (EIA) Regulations of 11 June 2010, to apply for a basic assessment instead of Scoping & Environmental Impact Reporting (S&EIR) process for the proposed construction of the Abagold Wave Energy Converter because of, *inter alia*, the following:
 - 2.1. A Basic Assessment Report will be conducted that will accommodate all envisaged environmental impacts that may be caused by the proposed development.
 - 2.2. All identified specialist studies including but not limited to, a visual impact assessment study, and a marine ecology impact assessment; must be conducted as part of the basic assessment report to ensure all environmental impacts and related mitigation measures are identified.
 - 2.3. Consultation with various stakeholders including but not limited to the Western Cape Department of Environmental Affairs and Development Planning (DEA&DP), CapeNature, Birdlife Africa and the Department of Environmental Affairs: Oceans and Coasts, must be conducted and comments must be forwarded to this Department prior to submission of the final BAR document.
 - 2.4. The public participation process to be conducted as part of the basic assessment report will be adequate to inform all I&APs and stakeholders about the project and give efficient time for comment.

3. You may proceed with lodging an application subject to a basic assessment process as prescribed Regulation 21 of the Environmental Impact Assessment (EIA) Regulations, GN N R.543 of 18 June 2010.
4. You are advised that in compiling the Basic Assessment Report (BAR), you must take into account the applicable guidelines development by the Department.
5. You are hereby reminded that it is mandatory to investigate and assess the option of not proceeding with the proposed activity (the "no-go" option) in addition to other alternatives identified.
6. The Public Participation Process ("PPP") to be followed must comply with Regulation 54 of the EIA Regulations of 2010.
7. The Department await the submission of the application form as prescribed by the EIA Regulations, GN N R. 543 of 18 June 2010.
8. Please note that the activity may not commence prior to an environmental authorization being granted by the Department.
9. This Department reserves the right to revise or withdraw initial comments, or request further information from you based on any additional information that might be received.

Please feel free to contact this Department should you require further clarification in this regard.

Yours sincerely



Mr. Ishaam Abader
Deputy Director-General: Environmental Quality & Protection
Department of Environmental Affairs
Letter signed by: Mr. Dumisani Mthembu
Designation: Director: Environmental Impact Evaluation

Date: 21/06/2011

CC:	Mr. Pierre Hugo	Abagold Ltd	Tel: 021-313-0253	Fax: 028-312-2194
	Ms M. Schippers	WCDEA&DP	Tel: 021-483-4049	Fax: 021-483-4372

CONSTRUCTION SCHEDULE

TABLE 1: PROPOSED MONTHLY CONSTRUCTION SCHEDULE FOR THE DEVELOPMENT OF THE EFFLUENT TURBINE

Effluent Turbine	1	2	3	4	5	6
Turbine manufacture (off site)	X	X	X	X		
Inlet and outlet manifold manufacture (off site)		X	X	X		
Site establishment	X	X				
Remove existing filling around turbine housing site		X				
Minor rock cracking to facilitate walls of turbine housing			X	X		
Temporary diversion of effluent line			X			
Construction of turbine housing			X	X		
Construction of inlet & outlet channels			X	X		
Installation of inlet & outlet manifolds				x		
Mechanical installations - turbines					X	
Electrical installations						X

Site establishment	X	X																	
Intertidal removal of Kelp	X																		
Sub tidal relocation of urchins etc		X																	
Mould manufacture	X	X																	
Rock fill to mean sea level		X																	
Casting of pre-cast units																			
Metal frame fixation			X	X	X	X	X	X	X	X	X	X	X	X	X				
Drilling of sea bed and insertion of rebar				X	X	X	X	X	X	X	X	X	X	X	X				
Metal coffer dam construction onto frame					X	X	X	X	X	X	X	X	X	X	X				
Concrete filling of coffer dams						X	X	X	X	X	X	X	X	X	X	X	X		
Site establishment of 40 ton crane							X	X	X										
Placement of pre-cast units layer 1										X	X	X							
Placement of pre-cast units layer 2												X	X						
Construction of turbine housings													X	X	X				
Construction of outlet channels													X						
Placement of pre-cast units layer 3														X					
Placement of pre-cast units layer 4															X				
Placement of pre-cast units layer 5																X			
Placement of pre-cast units layer 6																		X	
Placement of pre-cast units layer 7																			X
Mechanical installations - turbines															X	X	X	X	
Electrical installations																X	X	X	