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Department:
Minerals and Energy
REPUBLIC OF SOUTH AFRICA

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Enquiries: Kolani T.C **Ref:** OT 6/2/2(141)
Sub-directorate: Mine Environmental Management

REGISTERED MAIL

The General Manager
Anglo Operation Limited Ltd
Private Bag X 61587
MARSHALLTOWN
2107

Dear sir/ Madam

APPROVAL OF THE AMENDMENT TO THE APPROVED ENVIRONMENTAL MANAGEMENT PROGRAMME FOR ANGLO COAL, A DIVISION OF ANGLO OPERATION LIMITED: LANDAU NAVIGATION WEST SECTION IN RESPECT OF PORTION 2 AND 22 OF THE FARM ELANDSFONTEIN 309, SITUATED IN THE MAGISTERIAL DISTRICT OF EMALAHLENI: MPUMALANGA REGION.

An amendment of the Environmental Management Programme submitted by you, has been approved, in terms of Section 39 (6) of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002), Your attention is directed to the fact that:

1. This approval does not purport to absolve Landau Navigation West Section from its common law obligations towards the owner of the surface of land affected.
2. This approval may be amended or withdrawn at any stage for non-compliance approval and provides no relief from the provisions of any other relevant statutory or contractual obligations.
3. Environmental management must conform to the Environmental Management Programme as approved.
4. Mining activities must conform to all relevant legislations, especially the National Water Act, 1998, as well as the Mine Health and Safety Act, 1996 and such other conditions as may be imposed by the Regional Manager or any other official of this office, duly authorized thereto.
5. Rehabilitation of the disturbed surface caused by mining activities at all times must comply with the said Environmental Management Programme.

6. The financial provision provided in terms of Regulation 54 (2) of the Act must be annually adjusted to conform to the above-mentioned mining activities.
7. A performance assessment, monitoring, and evaluation report must be submitted annually to this office or as determined by the Regional Manager, or at any other time that an officer of this office, duly authorized thereto requests.
8. Any alteration or deviation from the programme must be reported to the Regional Manager for his approval or consideration.
9. A copy of the Environmental Management Programme must always be available on the mining premises for inspection by duly authorized officers.
10. Your attention is also drawn to the provisions Section 3 and 5 of the Mine Health and Safety Act, Act 1996 (Act 29 of 1996).
11. An authorization in relation to the construction of fuel depot must be obtained from Department of Agriculture and Land Administration prior to construction of such activity

Kindly take note that your company is required to submit a rehabilitation plans and time frames on how the rehabilitation backlog will be dealt with at the mine.


.....
CHIEF DIRECTOR: MINERAL REGULATION AND ADMINISTRATION

DATE: 18-12-07

ACKNOWLEDGEMENT OF RECEIPT..... 

DATE: 18/12/07.....



Anglo Coal

Dept. of Minerals and Energy
Private Bag X7279
2007 -06- 25
Witbank 1035
Dept. van Minerale en Energie

A Division of Anglo Operations Limited

EMP Amendment Amendment to Environmental Management Programme

Navigation West Section

Submitted as contemplated in Section 22(4) and Regulations 50 to 54 of the
Mineral and Petroleum Resources Development Act, 2002
(Act No.28 of 2002)

Mining Right ML 10/1995

Landau Colliery

DME Reference OT 6/2/2/141

**LANDAU
COLLIERY**

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2007 -06- 18
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ENVIRONMENTAL MANAGEMENT REPORT

Including the Environmental Impact Assessment and the
Public Participation Report

Environmental Management Programme

**Anglo Coal's Landau Colliery:
Navigation West Section**

Proponent: Anglo Operations Limited



June 2007

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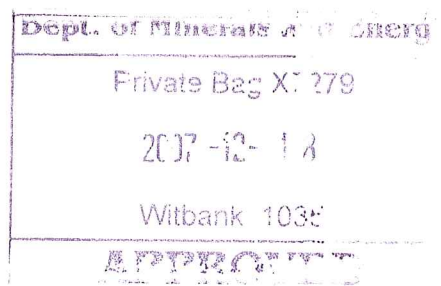
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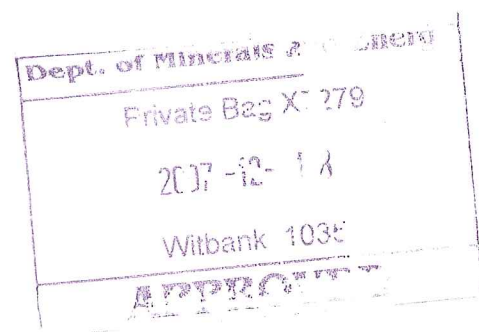
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Executive Summary

Landau Colliery is a business unit of Anglo Coal a Division of Anglo Operations Limited (AOL), is located in the Witbank (Emalahleni) Magisterial District, and consists of two Sections namely Kromdraai Section and Navigation Section. Navigation West Section is a proposed opencast mining operation that will form part of the existing Landau Colliery. Both the surface and the mineral rights for the proposed Navigation West Section (which will be situated on Portion 2 of the farm Elandsfontein 309 JS) are owned by Anglo Operations Limited.

Landau Colliery was issued with mining licence ML 10/95 under section 9(1) of the Minerals Act No. 50 of 1991 to mine coal on the various farms as given in the licence. The Environmental Management Programme Report for mining activities and related infrastructure within the Landau Colliery mining right area was approved by the Department of Minerals and Energy (DME) in 1999.

This document is submitted to the DME as an Addendum to the approved Environmental Management Programme Report regarding the proposed Navigation West Section project and associated infrastructure, which will be an opencast operation on Portion 2 of the farm Elandsfontein 309 JS. Navigation West Section is located within the mine boundary area included in the approved Environmental Management Plan (EMP), dated 1999, and the coal reserve to be mined at Navigation West Section was included in the coal reserve that formed part of the original approved EMP, dated 1999, for Landau Colliery.

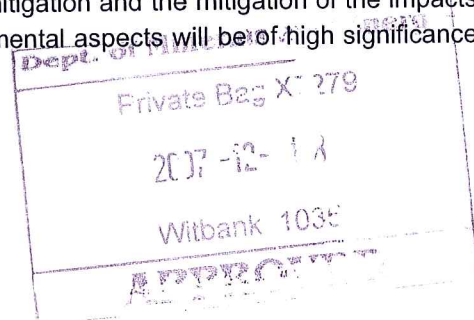
The impacts that may arise throughout each lifecycle phase of the proposed project were identified and their significance determined as part of the Environmental Impact Assessment compiled by Clean Stream Environmental Services, documented in the report titled, "*Anglo Operations Limited. Landau Colliery. Proposed Navigation West Section. Environmental Impact Assessment*", with Reference Number AO/LND/NWS/02/2007, dated March 2007.

As part of the above-mentioned EIA for Navigation West Section, the significance of the environmental impacts was evaluated taking both the non-mitigation and the mitigation of the impacts into account. In short, the impacts of the following environmental aspects will be of high significance for the duration of the Operational Phase:

- Soils,
- Land capability and land use,
- Vegetation,
- Potentially occurring Red Data floral and faunal species, as well as Red Data species that were present during the Pre-mining Phase, and
- Noise - impacts on nearby I&APs as a result of blasting, if not mitigated and on animal life.

The following residual impacts will most likely remain after mine Closure:

- Residual groundwater impacts,



- Residual surface water impacts, and
- Residual impacts on ecology (soil, land capability and land use, as well as pans and wetlands).

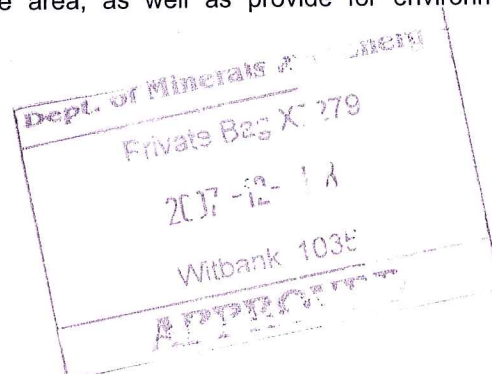
The following positive impacts are anticipated to take place for the duration of the Operational Phase as a result of the mining activity and the environmental management options associated with the project:

- Creating 70 additional job opportunities for 10 years,
- Increase in quality of life of approximately 420 people, if a factor of 6 is used to calculate the multiplier effect,
- Increase in GDP of Witbank (Emalahleni) area, and
- Removal of invasive vegetation over an area of 312 ha.

Based on the above-mentioned EIA, dated February 2007, and recommendations, management measures for the identified negative environmental impacts were determined in terms of their objectives, specific goals, action plans and technical / management options. These management measures are based on the four phases of the proposed mining operation i.e. Construction Phase, Operational Phase, Decommissioning Phase and Post-closure phase.

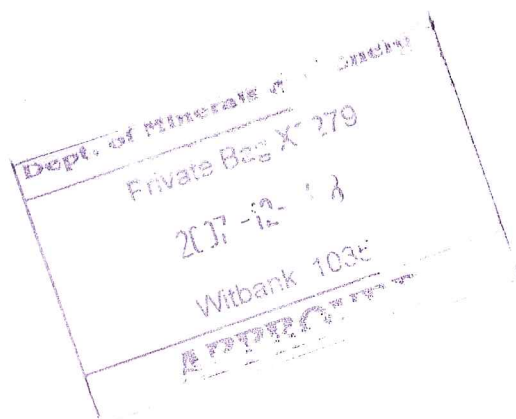
A monitoring system in the form of monitoring programmes for all environmental components that will be affected by the proposed project has been formulated for the project. This monitoring system will ensure that all actions that will result in negative impacts are monitored and that mitigation measures are undertaken to minimise the significance of the impacts. Results of this monitoring system will be utilised for the compilation of the performance assessment report that will be used to assess the continued appropriateness and adequacy of the environmental management programme (this document). In addition to the above, procedures for environmental-related emergencies and an environmental awareness programme have been drafted. These describe the process that will be followed in reporting and dealing with emergencies, the manner in which Landau Colliery will inform its employees of any environmental risk that may result from their work, and the manner in which the environmental risks will be addressed to avoid pollution and / or degradation of the environment.

Anglo Operations Limited will make financial provision for rehabilitation of the proposed Navigation West Section project by means of a trust fund, supplemented with a bank guarantee to fund the shortfall with regard to premature closure. In the mine's opinion, Landau Colliery has the technical and financial capacity to mine and rehabilitate the area, as well as provide for environmental monitoring and maintenance.



SECTION ONE

Introduction



1. INTRODUCTION

This document is an Amendment to the current approved EMP, dated 1999, for Landau Colliery and covers the additional project components and activities of the proposed Navigation West Section.

This EMP is based on the results of the Environmental Impact Assessment (EIA) compiled by Clean Stream Environmental Services, documented in the report titled, "*Anglo Operations Limited. Landau Colliery. Proposed Navigation West Section. Environmental Impact Assessment*", with Reference Number AO/LND/NWS/02/2007, dated March 2007.

This consolidated EMP brings the environmental management measures recommended in the impact assessment and specialist studies undertaken in support of the EIA pertaining to Navigation West Section together into a single document, which addresses management and mitigation of additional environmental impacts resulting from the proposed changes to the mine, specifically the addition of the Navigation West Section of Landau Colliery.

The EMP in the current approved Landau EMPR, dated 1999, and this document titled, "*Anglo Coal, a Division of Anglo Operations Limited. EMP. Environmental Management Programme. March 2007*". Landau Colliery. Proposed Navigation West Section. DME Reference OT 6/2/2/141" will be consolidated into a single EMP when the old order mining licence is converted to a new order mining right.

This EMP has been compiled in line with Section 51 of the Mineral and Petroleum Resources Development Regulations R.527, dated April 2004, under the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002).

1.1 IMPLEMENTATION OF THE EMP

A number of activities must take place before commencement of construction. Certain of these activities are not directly related to physical work on site, but are included in this EMP as they should be addressed during the Planning Phase (pre-construction) or during the early phases of the Construction Phase.

1.1.1 Responsibility of Anglo Operations Limited

- Responsibility for implementation of the EMP rests with Anglo Operations Limited, acting through its Anglo Coal Division, and in particular with the General Manager, Landau Colliery ("Landau"), a business unit of Anglo Coal.
- AOL will ensure that all contracting companies tendering for work are referred to the EMP and understand their responsibility to operate within the framework of the measures defined in the EMP. When adjudicating tenders, AOL and Landau Colliery will ensure that contractors have made appropriate allowance for management of environmental matters.