



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

DEA Reference: 14/12/16/3/3/2/817

Enquiries: Nyiko Nkosi

Telephone: 012-399-9392 E-mail: nnkosi@environment.gov.za

Mr Menard Mugumo
Department of Water and Sanitation
Private Bag X313
PRETORIA
0001

E-mail: mugumom@dws.go.za

PER E-MAIL / MAIL

Dear Mr Mugumo

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 982/983/984/985: PROPOSED CONSTRUCTION OF FOXWOOD DAM AND ASSOCIATED INFRASTRUCTURE AT ADELAIDE, WITHIN NXUBA LOCAL MUNICIPALITY IN THE EASTERN CAPE PROVINCE

With reference to the above application, please be advised that the Department has decided to grant authorisation. The environmental authorisation (EA) and reasons for the decision are attached herewith.

In terms of regulation 4(2) of the Environmental Impact Assessment Regulations, 2014 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's decision in respect of your application as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 2 of Government Notice No. R.993, which prescribes the appeal procedure to be followed. An appellant must submit an appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant.

By post: Private Bag X447,
Pretoria, 0001; or
By hand: Environment House
473 Steve Biko,
Arcadia,
Pretoria, 0083

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection, should you intend to submit an appeal.

Appeals must be submitted in writing to:

Mr Z Hassam, Director: Appeals and Legal Review, of this Department at the above mentioned addresses. Mr Hassam can also be contacted at:

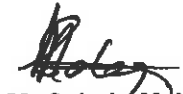
Tel: (012) 399 9356
Email: Appealsdirector@environment.gov.za

Please note that in terms of section 43(7) of the National Environmental Management Act, 1998, an appeal under section 43 of that Act will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

For guidance on appeals submitted to the Minister in terms of NEMA and the SEMAs, please find a copy of the guideline on the administration of appeals on the Department's website:
(https://www.environment.gov.za/documents/forms#legal_authorisations).

Kindly include a copy of this document with the letter of notification to interested and affected parties.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs
Date: 28/04/2016

CC:	Mr Donovan Henning	Nemai Consulting	Tel: 011-781-1730	Email: donavanh@nemai.co.za
	Hlomisa Ntsini	Eastern Cape Department of Economic Development, Environmental Affairs and Tourism	Tel: 043-707-4074	Email: hlomela.ntsini@dedea.gov.za



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of regulation 25 of the Environmental Impact Assessment Regulations, 2014

Construction of Foxwood Dam and associated infrastructure at Adelaide, within Nxuba Local Municipality in the Eastern Cape Province

Amatole District Municipality

Authorisation register number:	<i>14/12/16/3/3/2/817</i>
Last amended:	<i>First issue</i>
Holder of authorisation:	<i>DEPARTMENT OF WATER AND SANITATION</i>
Location of activity:	<i>EASTERN CAPE PROVINCE: Within Ward 1 and 4 of Nxuba Local Municipality</i>

This environmental authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this environmental authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No.107 of 1998) and the Environmental Impact Assessment Regulations, 2014 the Department hereby authorises –

DEPARTMENT OF WATER AND SANITATION

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Mr Menard Mugumo
Department of Water and Sanitation
Private Bag X313

PRETORIA

0001

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Cell: (082) 804 5162

E-mail: MugumoM@dws.gov.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, 2 and 3 (GN R. 983, 984 and 985):

Listed activities	Activity/Project description
<p><u>GN R. 983 Item 9</u></p> <p>The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or storm water-</p> <p>(i) with an internal diameter of 0,36 metres or more; or</p> <p>(ii) with a peak throughput of 120 litres per second or more;</p> <p>excluding where-</p> <p>(a) such infrastructure is for bulk transportation of water or storm water or storm water drainage inside a road reserve; or</p> <p>(b) where such development will occur within an urban area. .</p>	<p>Relocation of existing gravity canal with proposed pipeline - 600 mm and 3,5 km length.</p>
<p><u>GN R. 983 Item 12:</u></p> <p>The development of-</p> <p>(i) canals exceeding 100 square metres in size;</p> <p>(iii) bridges exceeding 100 square metres in size;</p> <p>(iv) dams, where the dam, including infrastructure and water surface area, exceeds 100 square metres in size;</p> <p>(v) weirs, where the weir, including infrastructure and water surface area, exceeds 100 square metres in size;</p> <p>(ix) slipways exceeding 100 square metres in size;</p> <p>(x) buildings exceeding 100 square metres in size;</p> <p>(xii) infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs-</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a</p>	<p>Various infrastructure within watercourse(s) / within 32m from watercourse(s), including:</p> <ul style="list-style-type: none"> • Dam; • Gauging weir; • Access roads; • Relocated infrastructure (roads with bridges, power line, telephone line, water supply canal); and • Pump station and pipeline.

Listed activities	Activity/Project description
<p>watercourse; -</p> <p>excluding-</p> <p>(aa) the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such development activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such development occurs within an urban area; or</p> <p>(ee) where such development occurs within existing roads or road reserves.</p>	
<p><u>GN R. 983 Item 14:</u></p> <p>The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase.</p>
<p><u>GN R. 983 Item 19:</u></p> <p>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from-</p> <p>(i) a watercourse;</p> <p>but excluding where such infilling, depositing , dredging, excavation, removal or moving-</p> <p>(a) will occur behind a development setback;</p>	<p>Associated with the construction of various infrastructure within watercourse(s), including:</p> <ul style="list-style-type: none"> • Dam; • Gauging weir; • Access roads; • Relocated infrastructure (roads with bridges, power line, telephone line, water supply canal); and • Pump station and pipeline.

Listed activities	Activity/Project description
(b) is for maintenance purposes undertaken in accordance with a maintenance management plan; or (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies.	
<p><u>GN R. 983 Item 24:</u></p> <p>The development of-</p> <p>(ii) a road with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</p> <p>but excluding-</p> <p>(a) roads which are identified and included in activity 27 in Listing Notice 2 of 2014; or</p> <p>(b) roads where the entire road falls within an urban area.</p>	<ul style="list-style-type: none"> • Access roads to the various sites (construction and operational phases). • Relocation of roads, including R344 and MR00639 that will be inundated.
<p><u>GN R. 983 Item 27:</u></p> <p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan</p>	<p>Clearance of large areas associated with the construction footprint.</p> <p>Status of vegetation to be confirmed as part of the Terrestrial Ecological Impact Assessment.</p>
<p><u>GN R. 983 Item 28:</u></p> <p>Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development:</p> <p>(ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes</p>	<p>Inundation of a large tract of land, where portions have been / are currently used for agriculture.</p> <p>Inundation at Full Supply Level (FSL) (615 masl) = 463 ha.</p>
<u>GN R. 983 Item 30:</u>	Possible occurrence of sensitive

Listed activities	Activity/Project description
Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	biodiversity features at affected areas.
<p><u>GN R. 983 Item 31:</u></p> <p>The decommissioning of existing facilities, structures or infrastructure for-</p> <p>(i) any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 excluding where-</p> <p>(aa) activity 22 of this notice applies; or</p> <p>(bb) the decommissioning is covered by part 8 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies</p>	Removal of bridge structure(s) and water supply canal.
<p><u>GN R. 983 Item 48:</u></p> <p>The expansion of-</p> <p>(i) canals where the canal is expanded by 100 square metres or more in size;</p> <p>(iii) bridges where the bridge is expanded by 100 square metres or more in size;</p> <p>(iv) dams, where the dam, including infrastructure and water surface area, is expanded by 100 square metres or more in size;</p> <p>where such expansion or expansion and related operation occurs-</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p>	Upgrade of existing bridge(s) along access road (s)

Listed activities	Activity/Project description
<p>excluding-</p> <p>(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</p> <p>(bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such expansion occurs within an urban area;</p> <p>or</p> <p>(ee) where such expansion occurs within existing roads or road reserves.</p>	
<p><u>GN R. 983 Item 49:</u></p> <p>The expansion of –</p> <p>(i) canals where the canal is expanded by 100 square metres or more in size;</p> <p>(iii) buildings by more than 100 square metres;</p> <p>(v) infrastructure or structures where the physical footprint is expanded by 100 square metres or more;</p> <p>where such expansion or expansion and related operation occurs-</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding-</p> <p>(aa) the expansion of infrastructure or structures within existing ports or harbours that will not increase the</p>	<p>Upgrade of existing bridge(s) along access road(s)</p>

Listed activities	Activity/Project description
<p>development footprint of the port or harbour;</p> <p>(bb) where such expansion activities are related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies;</p> <p>(cc) activities listed in activity 14 in Listing Notice 2 of 2014 or activity 14 in Listing Notice 3 of 2014, in which case that activity applies;</p> <p>(dd) where such expansion occurs within an urban area;</p> <p>or</p> <p>(ee) where such expansion occurs within existing roads or road reserves.</p>	
<p><u>GN R. 983 Item 56:</u></p> <p>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-</p> <p>(i) where the existing reserve is wider than 13,5 meters;</p>	<ul style="list-style-type: none"> • Relocation of roads that will be inundated: <ul style="list-style-type: none"> ○ R344 relocation – <ul style="list-style-type: none"> ➤ Road length = 8 400 m ➤ Road width = 10 m ○ MR00639 relocation – <ul style="list-style-type: none"> ➤ Road length = 3 400 m ➤ Road width = 10 m
<p><u>GN R. 983 Item 67:</u></p> <p>Phased activities for all activities -</p> <p>i. listed in this Notice, which commenced on or after the effective date of this Notice; or</p> <p>ii. similarly listed in any of the previous NEMA notices, which commenced on or after the effective date of such previous NEMA Notices;</p> <p>where any phase of the activity may be below a threshold but where a combination of the phases, including expansions or extensions, will exceed a specified threshold;</p> <p>excluding the following activities listed in this Notice-</p> <p>17(i)(a-d); 17(ii)(a-d); 17(iii)(a-d); 17(iv)(a-d); 17(v)(a-d); 20; 21; 22; 24(i); 29; 30; 31; 32; 34; 54(i)(a-d); 54(ii)(a-d);</p>	<p>Possible phased activities that may collectively trigger this listed activity.</p>

Listed activities	Activity/Project description
54(iii)(a-d); 54(iv)(a-d); 54(v)(a-d); 55; 61; 62; 64; and 65.	
<p><u>GN R. 984 Item 4</u></p> <p>The development of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase.</p>
<p><u>GN R. 984 Item 15</u></p> <p>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>Clearance of large areas associated with the construction footprint.</p>
<p><u>GN R. 984 Item 16</u></p> <p>The development of a dam where the highest part of the dam wall, as measured from the outside toe of the wall to the highest part of the wall, is 5 metres or higher or where the high water mark of the dam covers an area of 10 hectares or more</p>	<p>Foxwood Dam on the Koonap River.</p> <p>Inundation at Full Supply Level (FSL) (615 masl) = 463 ha. Maximum height = 48.5 m.</p>
<p><u>GN R. 984 Item 27</u></p> <p>The development of -</p> <p>(ii) a road administered by a provincial authority;</p> <p>but excluding the development and related operation of a road for which an environmental authorisation was obtained for the route determination in terms of activity 5 in Government Notice 387 of 2006 or activity 18 in Government Notice 545 of 2010, in which case activity 24 in Listing Notice 1 of 2014 applies.</p>	<p>Relocation of Roads R344 and MR00639 that will be inundated.</p>
<p><u>GN R.985 Item 4(b)(ii)(ee)</u></p> <p>The development of a road wider than 4 metres with a</p>	<p>• Access roads to the various sites</p>

Listed activities	Activity/Project description
<p>reserve less than 13,5 metres.</p> <p>(b) In Eastern Cape:</p> <p>ii. Outside urban areas, in:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>(construction and operational phases) situated in terrestrial CBA 2 and 3.</p> <ul style="list-style-type: none"> • Access road to the gauging weir site (construction and operational phases) situated in terrestrial CBA 2 and 3. • Relocate R344 - road occurs in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate MR00639 - road occurs in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate drift (low level crossing) - road occurs in terrestrial CBA 2 and aquatic CBA 2
<p><u>GN No. R.985 Item 10:</u></p> <p>The development of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres</p> <p>(b) In Eastern Cape:</p> <p>ii. Outside urban areas, in:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>"Dangerous goods" that are likely to be associated with the greater project, are fuel stores, as well as any dangerous goods to be used during the construction phase.</p> <p>Construction camp (temporary) - dangerous goods stored in terrestrial CBA 2.</p> <p>Satellite construction camp - dangerous goods stored in terrestrial CBA 2 and 3.</p>
<p><u>GN No. R.985 Item 12:</u></p> <p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<ul style="list-style-type: none"> • Dam wall & embankment (including area of impoundment) - clearance of large areas of indigenous vegetation in terrestrial Critical Biodiversity Area (CBA) 2 and 3, as well as aquatic CBA 2.

Listed activities	Activity/Project description
<p>(a).In Eastern Cape provinces:</p> <p>i. Within any critically endangered or endangered where such clearance of ecosystem listed in terms of section 52 of the NEMBA or indigenous vegetation is prior to the publication of such a list, within an area that required for maintenance has been identified as critically endangered in the purposes undertaken in National Spatial Biodiversity Assessment 2004; accordance with a maintenance</p> <p>ii. Within critical biodiversity areas identified in bioregional management plan. plans;</p> <p>effect of this Notice or thereafter such land was zoned open space, conservation or had an equivalent zoning.</p>	<ul style="list-style-type: none"> • Access roads (construction and operation) - clearance of large areas of indigenous vegetation in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Quarry - clearance of large area of indigenous vegetation at quarry in terrestrial CBA 2. • Earthfill borrow areas - clearances of large areas of indigenous vegetation at borrow areas in terrestrial CBA 2 and 3. • Construction camp (temporary) - clearance of large areas of indigenous vegetation at construction camp in terrestrial CBA 2. • Operator's offices and accommodation (permanent) - clearance of large areas of indigenous vegetation in terrestrial CBA 2. • Pipeline and associated structures - clearance of indigenous vegetation in terrestrial CBA 2. • Satellite construction camp - clearance of indigenous vegetation in terrestrial CBA 2 and 3. • Relocate water supply canal - clearance of indigenous vegetation in terrestrial CBA 2 and aquatic CBA 2. • Relocate R344 - clearance of indigenous vegetation in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate MR00639 - clearance of indigenous vegetation in terrestrial CBA 2 and 3, as well as aquatic CBA 2.

Listed activities	Activity/Project description
	<ul style="list-style-type: none"> • Relocate Telkom telephone line - clearance of indigenous vegetation in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate Eskom power line - clearance of indigenous vegetation in terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate drift (low level crossing) - clearance of indigenous vegetation in terrestrial CBA 2 and aquatic CBA 2.
<p><u>GN No. R.985 Item 14:</u></p> <p>The development of-</p> <p>(i) canals exceeding 10 square metres in size ;</p> <p>(ii) channels exceeding 10 square metres in size;</p> <p>(iii) bridges exceeding 10 square metres in size;</p> <p>(iv) dams, where the dam, including infrastructure and water surface area exceeds 10 square metres in size;</p> <p>(ix) slipways exceeding 10 square metres in size;</p> <p>(x) buildings exceeding 10 square metres in size;</p> <p>(xi) boardwalks exceeding 10 square metres in size; or</p> <p>(xii) infrastructure or structures with a physical footprint of 10 square metres or more;</p> <p>where such development occurs -</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding the development of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>(c) In Eastern Cape:</p>	<ul style="list-style-type: none"> • Dam wall & embankment (including area of impoundment) - infrastructure within watercourses / within 32 m from watercourses inside a terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Access roads (construction and operation) - watercourse crossings along access roads / within 32m from watercourses inside a terrestrial CBA 2 and 3. • Quarry - quarry within 32 m of a watercourse inside terrestrial CBA 2. • Earthfill borrow areas - borrow areas within 32 m of a watercourse inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Pipeline and associated structures - infrastructure crosses watercourse / within 32 m from watercourses inside terrestrial CBA 2. • Weir and associated instrumentation -

Listed activities	Activity/Project description
<p>ii. Outside urban areas, in:</p> <p>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p>	<p>infrastructure within watercourse / within 32 m from watercourse inside terrestrial CBA 2 and CBA 3.</p> <ul style="list-style-type: none"> • Access roads (construction and operation) - watercourse crossings along access roads / within 32 m from watercourses inside a terrestrial CBA 2 and 3. • Relocate water supply canal - infrastructure crosses watercourses / within 32 m from watercourses inside terrestrial CBA 2 and aquatic CBA 2. • Relocate R344 - infrastructure crosses watercourses / within 32 m from watercourses inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate MR00639 - infrastructure crosses watercourses / within 32m from watercourses inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate Telkom telephone line - infrastructure crosses watercourses / within 32m from watercourses inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate Eskom power line - infrastructure crosses watercourses / within 32 m from watercourses inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate drift (low level crossing) - infrastructure crosses watercourse / within 32 m from watercourse inside

Listed activities	Activity/Project description
	terrestrial CBA 2 as well as aquatic CBA 2.
<p><u>GN No. R.985 – Activity no. 18:</u></p> <p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>(b) In Eastern Cape:</p> <p>ii. Outside urban areas, in:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional, plans;</p>	<ul style="list-style-type: none"> • Access roads (construction and operation) - widening existing access roads inside terrestrial CBA 2 and 3. • Access roads (construction and operation) - widening existing access roads inside terrestrial CBA 2 and 3. • Relocate R344 - widening existing roads inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate MR00639 - widening existing roads inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate drift (low level crossing) - widening existing road inside terrestrial CBA 2 as well as aquatic CBA 2.
<p><u>GN No. R.985 – Activity no. 23:</u></p> <p>The expansion of-</p> <p>(i) canals where the canal is expanded by 10 square metres or more in size;</p> <p>(ii) channels where the channel is expanded by 10 square metres or more in size;</p> <p>(iii) bridges where the bridge is expanded by 10 square metres or more in size;</p> <p>(iv) dams where the dam is expanded by 10 square metres or more in size;</p> <p>(x) buildings where the building is expanded by 10 square metres or more in size;</p> <p>(xii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more;</p> <p>where such development occurs-</p>	<ul style="list-style-type: none"> • Access roads (construction and operation) - expanding watercourse crossings along existing roads to create project access roads, inside terrestrial CBA 2 and 3. • Access roads (construction and operation) - expanding watercourse crossings along existing roads to create project access roads, inside terrestrial CBA 2 and 3. • Relocate R344 - expanding watercourse crossings as part of relocation of R344 inside terrestrial CBA 2 and 3, as well as aquatic CBA 2. • Relocate MR00639 - expanding

Listed activities	Activity/Project description
<p>(a) within a watercourse;</p> <p>(b) in front of a development setback adopted in the prescribed manner; or</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</p> <p>excluding the expansion of infrastructure or structures within existing ports or harbours that will not increase the development footprint of the port or harbour.</p> <p>(b) In Eastern Cape:</p> <p>ii. Outside urban areas in:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional, plans;</p>	<p>watercourse crossings as part of relocation of MR00639 inside terrestrial CBA 2 and 3, as well as aquatic CBA 2.</p> <ul style="list-style-type: none"> • Relocate drift (low level crossing) - expanding watercourse crossings as part of raising of drift inside terrestrial CBA 2 as well as aquatic CBA 2.

as described in the Environmental Impact Assessment Report (EIAR) dated January 2016 at:

SG Code	Farm Name & Number	Erf / Portion
C02500000000008700002	Olifants Drift 87	2
C02500000000008700000	Olifants Drift 87	
C02500010000000100000	Adelaide	1
C02500000000011100000	111	
C02500010000056900000	Adelaide	569
C01000000000012900000	Leeuw Hoek 129	
C01000000000086000000	Rooidam 86	
C01000000000012600002	Mancasana Drift (Petronella) 126	2
C01000000000012600000	Mancasana Drift (Petronella) 126	
C01000000000012600001	Mancasana Drift (Petronella) 126	1
C01000000000012600003	Mancasana Drift (Petronella) 126	3
C02500000000008600005	Elands Drift 86	5
C02500000000008600003	Elands Drift 86	3
C02500000000008600007	Elands Drift 86	7
C02500000000008600004	Elands Drift 86	4
C02500000000008600006	Elands Drift 86	6
C02500000000008600001	Elands Drift 86	1
C02500000000008600002	Elands Drift 86	2
C01000000000011600000	Fathers Poort 116	
C01000000000011500000	Doomkloof Mouth 115	

1. MAJOR STORAGE DAM (FOXWOOD DAM)

Associated Infrastructure	Latitude	Longitude
1.1 Dam wall	32° 40' 30"S	26° 16' 0"E
1.2 Embankment		
1.3 Dam outlet works (including dam intake tower, tunnel and outlet valve house)		
1.4 Access roads (construction and operation) -		
1.4.1 Permanent access road to dam wall		
Start	32°40'24.75"S	26°16'55.28"E
End	32°40'26.30"S	26°16'23.11"E
1.4.2 Access road to construction laydown area 1		
Start	32°32'39.55"S	26°16'19.75"E
End	32°40'26.09"S	26°16'00.71"E
1.4.3 Access road to right bank		
Start	32°40'17.40"S	26°15'37.29"E
End	32°40'34.09"S	26°16'06.31"E
1.4.4 Access road to right bank crest		
Start	32°41'01.14"S	26°15'32.51"E
End	32°40'37.40"S	26°16'08.65"E
1.4.5 Access road to right bank earth embankment		
Start	32°40'54.95"S	26°15'26.91"E
End	32°40'36.80"S	26°16'14.46"E
1.5 Construction camp (temporary): laydown alternative 1		
North West corner	32°40'28.76"S	26°16'40.30"E
South West corner	32°40'36.97"S	26°16'40.30"E
North East corner	32°40'28.76"S	26°16'50.64"E
South East corner	32°40'36.97"S	26°16'50.64"E
1.6 Operator's offices and accommodation (permanent) : within laydown alternative 2		
North West corner (Rem of Leeuw Hoek 129)	32°40'19.76"S	26°15'59.58"E
South West corner (Rem of Leeuw Hoek 129)	32°40'27.88"S	26°15'59.58"E
North East corner (Erf 1 of Adelaide)	32°40'19.76"S	26°16'09.40"E
South East corner (Erf 1 of Adelaide)	32°40'27.88"S	26°16'09.40"E
2. BULK WATER SUPPLY PIPELINE		
2.1 Pump station	32°40'25.97"S	26°16'23.00"E
2.2 Pipeline and associated structures (chambers, Cathodic Protection measures, AC mitigation measures, pipeline markers)		
Start	32°40'25.97"S	26°16'23.00"E
End	32°40'35.47"S	26°17'14.30"E
3. GAUGING WEIR		
3.1 Weir and associated instrumentation -		
Option 1	32°40'59.78"S	26°16'24.21"E
3.2 Access roads (construction and operation)		
Start	32°40'36.40"S	26°17'14.16"E
End	32°40'59.78"S	26°16'24.21"E
4. RELOCATION OF INFRASTRUCTURE		
4.1 Relocate water supply canal		
Start	32°38'11.64"S	26°18'07.05"E
End	32°39'02.64"S	26°17'01.36"E
4.2 Relocate R344		
Start	32°40'06.70"S	26°16'36.22"E

End	32°38'31.56"S	26°16'06.72"E
4.3 Relocate MR00639		
Start	32°39'57.27"S	26°15'41.12"E
End	32°38'37.79"S	26°16'03.26"E
4.4 Relocate Telkom telephone line		
Start	32°40'06.12"S	26°16'33.92"E
End	32°38'28.29"S	26°16'09.01"E
4.5 Relocate Eskom power line - Alignment A		
Start	32°40'17.37"S	26°15'34.74"E
End	32°38'20.79"S	26°16'02.78"E
4.6 Relocate drift (low level crossing)		
Start	32°38'04.37"S	26°18'19.42"E
End	32°37'54.27"S	26°18'27.80"E

the location indicated in the locality plan, attached as Annexure 2 of this authorisation.

- for the construction of Foxwood Dam and associated infrastructure at Adelaide, within ward 1 and 4 of Nxuba Local Municipality in the Eastern Cape Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

- Major storage dam (Foxwood Dam);
- Bulk water supply pipeline and pump station;
- Gauging weir;
- Access roads (construction and operational phases);
- Eskom supply to the dam and gauging weir;
- Relocate existing infrastructure (including water supply canal, R344, MR00639, Telkom telephone line and Eskom power line);
- Construction camp; and
- Permanent offices and accommodation for dam operator.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The dam type alternative: Composite Gravity Spillway and Earthfill, Gauging Weir Option 1, Powerline deviation route: Alignment A and Laydown Option 1 (Temporary construction camp) and Laydown Option 2 (for permanent Operator's offices and accommodation) for the construction of Foxwood Dam and associated infrastructure at Adelaide, within ward 1 and 4 of Nxuba Local Municipality in the Eastern Cape Province is approved as per the geographic coordinates.
2. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.
6. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of five (05) years from the date of issue of this environmental authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
8. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

Notification of authorisation and right to appeal

9. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
10. The notification referred to must –
 - 10.1. specify the date on which the authorisation was issued;
 - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 10.4. give the reasons of the competent authority for the decision.
11. The holder of the authorisation must publish a notice –
 - 11.1. informing interested and affected parties of the decision;
 - 11.2. informing interested and affected parties where the decision can be accessed; and
 - 11.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in terms of the National Appeal Regulations, 2014.

Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014. In terms of section 43(7), an appeal under section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

Management of the activity

13. The final Environmental Management Programme (EMPr) submitted as part of the application for EA must be amended and submitted to the Department for written approval prior to commencement of the activity. The recommendations and mitigation measures recorded in the EIAR dated January 2016 must be incorporated as part of the EMPr. Once approved, the EMPr must be implemented and adhered to.

14. The following Environmental Management Programme (EMPr) must be developed and submitted to the Department for written approval prior to commencement of the activity.
 - 14.1 Search, Rescue and Relocation Management Plan for red data, protected and endangered species, medicinal plants, heritage resources and graves;
 - 14.2 Foxwood Dam Impoundment EMPr;
 - 14.3 Rehabilitation Management Plan for disturbed areas outside of the dam inundation area (apart from provisions in Closure Plan); and
 - 14.4 Operational EMPr.

Frequency and process of updating the EMPr

15. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 23 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
16. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
17. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
18. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R.982. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
19. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 982.

Monitoring

20. The holder of the authorisation must appoint an experienced independent Environmental Control Officer (ECO) who will, on the behalf of the Environmental Monitoring Committee (EMC) (on weekly

basis), monitor compliance with the conditions of the environmental authorisation, environmental legislation and the requirements of the approved EMPr.

- 20.1. The ECO must be appointed before commencement of any construction/ authorised activities.
- 20.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
- 20.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 20.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and implemented to the satisfaction of the land owner and the EMC and the site is ready for operation.
- 20.5. The holder of the authorisation and Implementing Agency must ensure that an Environmental Monitor is on site on a daily bases, this individual will report to the ECO and ensure that the following are available and maintained on site
 - 20.5.1. A daily site diary.
 - 20.5.2. A non-conformance register
 - 20.5.3. Public complaints register.
 - 20.5.4. A register of Audits.
 - 20.5.5. Copies of method statements.
 - 20.5.6. Material Safety Data Sheets (MSDS) of all hazardous material stores.
 - 20.5.7. Monitoring reports of the contractor/s.
 - 20.5.8. Compliance and audit reports.
 - 20.5.9. Training register.
 - 20.5.10. Copy of the EA (and amendments to) and EMPr.
 - 20.5.11. Waste disposal certificates.
 - 20.5.12. Copies of all certificates/approvals required during the construction phase.
- 20.6. The ECO must conduct monthly site visits to ensure compliance with the conditions of the EA is maintained onsite.
- 20.7. The ECO must report to the EMC (via monthly reports). The EMC must report on the performance of the ECO to the Department, Directorate: Compliance Monitoring and Enforcement every 03 (three) months and copy the holder of the authorisation.
- 20.8. The ECO must also submit quarterly (every 03 months) reports to the EMC and the Department.

20.9. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Recording and reporting to the Department

21. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
22. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
23. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982.
24. The holder of the authorisation must, in addition, submit an environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
25. The environmental audit reports must be compiled in accordance with appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
26. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Notification to authorities

27. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

Operation of the activity

28. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

Site closure and decommissioning

29. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

Specific conditions

Conditions for Non-operational aspects

30. Phase two (2) Heritage Impact Assessment must be conducted before commencement of the construction activities and must consist of -
- 30.1 Paleontological Impact Assessment (PIA) including a systematic ground survey of the footprint by an accredited palaeontologist;
 - 30.2 Archaeological Impact Assessment (AIA), including a systematic ground survey by an accredited archaeologist; and
 - 30.3 Heritage Impact Assessment (HIA) of all historical structures and graves on the footprint. This study must be conducted by an accredited "Built Heritage Specialist". The feasibility of grave exhumation and relocation must also be investigated during this study
31. Phase two Heritage Impact Assessment must be submitted to South African Heritage Resource Agency for approval and copies of phase 2 Heritage Impact Assessment and a permit must be submitted to this Department for record keeping.
32. Power line route alignment A must be routed to avoid structures associated with the Presbyterian Church Adelaide Primary School.
33. Relocation Plan with a clear communication strategy must be developed and copies of this plan must be submitted to the Department for record keeping.
34. A botanist must be appointed to perform a final walkthrough of the alignment to identify sensitive plant species, and assist in identifying the areas that require protection. Findings of the final walkthrough must be incorporated into the amended EMP to be submitted to this Department for review and consideration.

35. Faunal species encountered during construction activities and which are at risk of being harmed should be removed and relocated to a suitable area, after consultation with the ECO.
36. Search, rescue and relocation Plan must be developed and submitted to the Provincial Department of Environment to ensure that all the requirements are satisfied, after review and comment by province, this plan must be submitted to the Department for approval.
37. A search and rescue of floral, faunal and plant species must be undertaken by a qualified specialist in order to identify such species that require relocating and or transplanting to similar habitat types outside of the construction footprint.
38. Vegetation to be drowned must be removed prior to inundation.
39. Should any Red Data Listed (RDL) faunal species or species of conservation concern be found during the search and rescue operations, these species must be relocated to similar habitat within the vicinity of the study area, which habitat will not be impacted by development activities.
40. Disturbed areas must be rehabilitated as soon as possible once construction activities are completed using indigenous site appropriate species. All re-seeding activities will be undertaken at the end of the dry season (middle to end September) to ensure optimal conditions for germination and rapid vegetation establishment.
41. Baseline Monitoring must be undertaken to determine to the pre-construction state of the receiving environment, and serves as a reference to measure the residual impacts of the project by evaluating the deviation from the baseline conditions and the associated significance of the adverse effects;
42. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous protected or endangered plant or animal species.
43. Copies of all permits required for the authorised development must be submitted to the Department for record keeping.
44. No exotic plants may be used for rehabilitation purposes. Only indigenous plants found within a 10km radius of the site may be utilised.
45. Liaison with land owners/farm managers is to be done prior to construction in order to provide sufficient time for them to plan agricultural activities. If possible, construction should be scheduled to take place within the post-harvest, pre planting season, when fields are lying fallow.
46. The holder of the authorisation is required to inform the Department of Agriculture Forestry and Fisheries and this Department should the removal of protected species, medicinal plants and "data deficient" plant species be required.
47. Vegetation clearing must be kept to an absolute minimum. Mitigation measures must be implemented to reduce the risk of erosion and the invasion of alien species.

48. DR0249 (between MR00638 and the point where it crosses the dam), which will form part of the realigned R344 route once the dam is completed, must be upgraded to a geometric standard suitable for a district road.
49. Haul roads must be maintained during the construction period to ensure safe operating conditions; these road and all affected roads must be rehabilitated to acceptable conditions in consultation with the Eastern Cape Department of Roads and Public Works.
50. Construction must include design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
51. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

Environmental Monitoring Committee

52. An environmental Monitoring Committee (EMC) must be established by the application before commencement of construction activities.
 - 52.1. The EMC must meet before the commencement of construction activities (to appoint a chairperson discuss terms of reference), from then on the EMC must sit once every two months, special meetings can be convened on special situations.
 - 52.2. The EMC must comprise of the following representatives:
 - Chairperson;
 - National Environmental Department (DEA) - Observer;
 - Compliance Monitoring (DEA)
 - The Applicant;
 - Provincial Environmental Department;
 - Provincial Conservation Authority;
 - Provincial Roads Department;
 - Non-Governmental Organisations;
 - Local Government;
 - Department of Agriculture, Fisheries and Forestry;
 - Representative from the affected land owners;
 - Representative from famers association; and

- The Environmental Control Officer.

General

53. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-

53.1. at the site of the authorised activity;

53.2. to anyone on request; and

53.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.

54. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 28/01/2016


Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environmental Affairs

Annexure 1: Reasons for Decision

1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The information contained in the final EIAr dated January 2016;
- b) The comments received from the Amathola Water, Eastern Cape Department of Roads and Public Works, Telkom, Eskom and interested and affected parties as included in the EIAr dated January 2016;
- c) Mitigation measures as proposed in the final EIAr dated January 2016 and the EMPr;
- d) The information contained in the specialist studies contained within the final EIAr dated January 2016;
- e) Findings of the site visits conducted on 25 March 2016 and 27 November 2015 respectively; and
- f) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No.107 of 1998).

2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for this project stems from the strategic initiative to mobilize the water resources in the area to allow for a downstream irrigation scheme, which will serve as a stimulus for socio-economic development in this rural, economically depressed region.
- c) The final EIAr dated January 2016 identified all legislation and guidelines that have been considered in the preparation of the final EIAr dated January 2016.
- d) The methodology used in assessing the potential impacts identified in the final EIAr dated January 2016 and the specialist studies has been adequately indicated.

- e) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2010 for public involvement.

3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts is detailed in the final EIAR dated January 2016 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) The information contained in the final EIAR dated January 2016 is accurate and credible.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the final EIAR and will be implemented to manage the identified environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

Annexure 2: Locality Plan

