



environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA ·0001· Environment House ·473 Steve Biko Road, Arcadia· PRETORIA

DEA Reference: 14/12/16/3/3/1/2152

Enquiries: Mr Lunga Dlova

Telephone: (012) 399 8524 E-mail: LDlova@environment.gov.za

Ms Nqobile Victoria Dlamini
Transnet SOC Limited
P.O. Box 3113
DURBAN
4000

Telephone Number: (031) 361 1347
Email Address: vicky.dlamini@transnet.net

PER EMAIL / MAIL

Dear Ms Dlamini

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE DECOMMISSIONING OF THE TRANSNET DURBAN TO JOHANNESBURG PIPELINE (DJP) AFTER DEACTIVATION, I.E. PRODUCT (HYDROCARBON) DISPLACEMENT AND CLEANING WITHIN KWAZULU-NATAL; FREE STATE; NORTH WEST; AND GAUTENG PROVINCES.

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, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the 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; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@environment.gov.za;

By hand: Environment House
473 Steve Biko
Arcadia
Pretoria
0083; or

By post: Private Bag X447
Pretoria
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal 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.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at https://www.environment.gov.za/documents/forms#legal_authorisations or request a copy of the documents at appeals@environment.gov.za.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environment, Forestry and Fisheries

Date: 01/12/2020

cc: Ms Paulette Jacobs	HydroScience CC (EAP)	Email: paulette@hydroscience.co.za
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environment, forestry & fisheries

Department:
Environment, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The decommissioning of the Transnet Durban to Johannesburg Pipeline (DJP) after deactivation, i.e. product (hydrocarbon) displacement and cleaning within Kwazulu-Natal; Free State; North West; and Gauteng Provinces.

Authorisation register number:	<i>14/12/16/3/3/2/2152</i>
Last amended:	<i>First issue</i>
Holder of authorisation:	<i>Transnet SOC Limited (Transnet Pipelines Division).</i>
Location of activity:	<i>KwaZulu-Natal Province; Free State Province; North West Province; and Gauteng Province.</i>

This 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.

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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, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

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, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

TRANSNET SOC LIMITED (TRANSNET PIPELINES DIVISION).

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

with the following contact details –

Ms Nqobile Victoria Dlamini
Transnet SOC Limited
P.O. Box 3113
DURBAN
4000

Telephone Number: (031) 361 1347
Email Address: vicky.dlamini@transnet.net

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
<p><u>GNR 327 of 7 April 2017 - Activity 31:</u></p> <p><i>"The decommissioning of existing facilities, structures or infrastructure listed in terms of Listing Notice 2 of 2014: The development and related operation of facilities or infrastructure for the bulk transportation of dangerous goods –</i></p> <p><i>(ii) in liquid form, outside an industrial complex, using pipelines, exceeding 1000 metres in length, with a throughput capacity of more than 50 cubic metres per day."</i></p>	<p>The existing pipeline and certain existing depots will be decommissioned (i.e. decommissioning means take out of active service permanently or dismantle partly or wholly, or closure of a facility to the extent that it cannot be readily re-commissioned).</p> <p>The pipeline and depots were used for the bulk transportation of refined petroleum product (petrol, diesel, jet fuel) between Durban and Johannesburg from 1965 to 2018.</p> <p>The following depots will be fully decommissioned (demolition and dismantling):</p> <ul style="list-style-type: none"> • Van Reenen; • Bethlehem; • Magdala; • Elardus Park; • Pretoria West; • Potchefstroom <p>For these depots all above ground infrastructure will be demolished and removed and the sites will be rehabilitated.</p> <p>The following sections of the pipeline will be decommissioned:</p> <ul style="list-style-type: none"> • Durban – Hillcrest; • Hillcrest – Howick; • Howick – Ladysmith; • Ladysmith – Van Reenen;

	<ul style="list-style-type: none"> • Van Reenen – Bethlehem; • Bethlehem – Kroonstad; • Sasolburg – Alrode; • Airport – Waltloo; • Elardus Park – Pretoria West; • Alrode – Langlaagte. <p>The following mothballed sections will also be decommissioned:</p> <ul style="list-style-type: none"> • Ashburton • Pietermaritzburg old main Pipeline • Koppies • Airport to Benoni • Airport to Isando • Atlas Road • Bethlehem TOP
<p><u>GNR 327 of 7 April 2017 – Activity 19:</u> <i>"The infilling or depositing of any material of more than 10 cubic metre into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metre from a watercourse.</i></p>	<p>Soil or sand will be moved to access pipes crossing watercourses in order to fill these with grout to stabilise and prevent future collapse/subsidence after decommissioning.</p>
<p><u>GNR 324 of 7 April 2017 – Activity 12:</u> <i>"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.</i></p>	<p>More than 300m² indigenous vegetation will be cleared in areas identified as critical biodiversity areas (CBA), Ecological Support Areas (ESA), Endangered Ecosystems etc. along the route crossing different provinces due to decommissioning activities.</p>

as described in the Basic Assessment Report (EIAr) dated August 2020 at:

SG 21 Code

Elardus Park: TOJR00000000037800065

Pretoria West: TOJR02010000017200015

Van Reenen Pump station: NOGS000000000238400029

Bethlehem Depot: F00100020000404900000

Bethlehem TOP: F00100000000015200048

Magdala Pump station: F02000000000121400000

Potchefstroom: Address: Corner of Portman (alongside N12) & Botha Street, Potchindustria.

GPS Coordinates

Pipeline route	Longitude	Latitude
Pretoria West to Elarduspark - Start	28° 8' 23.157" E	25° 45' 48.271" S
Pretoria West to Elarduspark - End	28° 15' 18.421" E	25° 49' 24.016" S
Elarduspark to Waitloo - Start	28° 15' 18.421" E	25° 49' 24.016" S
Elarduspark to Waitloo - End	28° 18' 56.387" E	25° 43' 36.094" S
Airport to Elarduspark - Start	28° 14' 16.289" E	26° 9' 57.428" S
Airport to Elarduspark - End	28° 15' 18.421" E	25° 49' 24.016" S
Langlaagte to Alrode - Start	27° 58' 31.585" E	26° 12' 20.288" S
Langlaagte to Alrode - End	28° 7' 10.714" E	26° 17' 56.625" S
Sasolburg to Alrode - Start	27° 50' 59.161" E	26° 49' 33.327" S
Sasolburg to Alrode - End	28° 7' 10.789" E	26° 17' 56.741" S
Kroonstad to Durban - Start	27° 13' 38.828" E	27° 40' 34.501" S
Kroonstad to Durban - End	31° 1' 25.959" E	29° 53' 27.058" S

Transnet Durban – Johannesburg Pipeline Route

Municipalities affected by the proposed Project	<ul style="list-style-type: none"> • Ethekwini Local Municipality • Makhambatheni Local Municipality • Msunduzi Local Municipality • uMngeni Local Municipality • Mooi Mphofana Local Municipality
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	<ul style="list-style-type: none">• Inkosi Langalibalele Local Municipality• Alfred Duma Local Municipality• Okhahlamba Local Municipality• Maluthi-A-Phofung Local Municipality• Dihlabeng Local Municipality• Nketoana Local Municipality• Mqohaka Local Municipality• Ngwathe Local Municipality• City of Motlosana Local Municipality• Metsimaholo Local Municipality• Midvaal Local Municipality• City of Tshwane Metropolitan Municipality• Ekurhuleni Metropolitan Municipality• City of Johannesburg Metropolitan Municipality
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- for the proposed decommissioning of the Transnet Durban to Johannesburg Pipeline (DJP) after deactivation, i.e. product (hydrocarbon) displacement and cleaning within Kwazulu-Natal; Free State; North West; and Gauteng Provinces, hereafter referred to as "the property".

A schematic layout for the Transnet Durban – Johannesburg Pipeline project is attached as Annexure 2 to this environmental authorisation. Furthermore, a full list of SG21 codes (Appendix 1) and GPS Coordinates (Appendix 2) for the Transnet Durban – Johannesburg Pipeline is attached to this Environmental Authorisation.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The proposed decommissioning of the Transnet Durban to Johannesburg Pipeline (DJP) after deactivation, i.e. product (hydrocarbon) displacement and cleaning within Kwazulu-Natal; Free State; North West; and Gauteng Provinces is approved as per the geographic coordinates cited in the table above on page 05.
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 ten (10) 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. Construction must be completed within five (05) years of the commencement of the activity on site.
9. Commencement with one activity listed in terms of this Environmental Authorisation constitutes commencement of all authorised activities.

Notification of authorisation and right to appeal

10. 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.
11. The notification referred to must –
 - 11.1. specify the date on which the authorisation was issued;
 - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 11.4. give the reasons of the Competent Authority for the decision.

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, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended 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 Environmental Management Programme (EMPr) submitted as part of the BAR dated August 2020 is approved and must be implemented and adhered to.
14. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
15. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
16. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIA be discovered.

Frequency and process of updating the EMPr

17. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 24 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.
18. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
19. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. 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.
20. 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 the EIA Regulations, 2014 as amended. 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.
21. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

Monitoring

22. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
 - 22.1. The ECO must be appointed before commencement of any authorised activities.
 - 22.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.
 - 22.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.

- 22.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

Recording and reporting to the Department

23. 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.
24. 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.
25. 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 the EIA Regulations, 2014 as amended.
26. The holder of the authorisation must, in addition, submit 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.
27. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended 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.
28. 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

29. 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

30. 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

31. 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

32. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
33. Rehabilitation must be undertaken in all disturbed areas to minimize loss of biodiversity.
34. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.
35. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the Specialist Studies / BAR/EMPr dated August 2020 must be implemented to reduce the risk of erosion and the invasion of alien species.
36. A Palaeontologist must be appointed to inspect the decommissioning procedures at intervals in the KwaZulu Natal Province, in areas between Escourt and Van Reenen. This is due to high probability of highly sensitive fossiliferous strata.
37. Reporting of the findings must be done as follows: Archaeological sites or remains, fossils or other categories of heritage resources - SAHRA APM Unit (Natasha Higgitt / Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. Unmarked human burials - SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase / Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA
38. It is recommended that the footprint areas and access roads must be specifically demarcated, and only the demarcated areas be impacted upon.
39. Should any archaeological sites, artefacts, paleontological fossils or graves are exposed during construction work, work must be stopped immediately and the relevant heritage resource agency must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources must be made.

40. 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).
41. Waste, which is not authorised for disposal on site as part of the approved development, must be dealt with according to relevant legislation or the Department's policies and practices.
42. No effluent must be discharged into any storm water drain or furrow, whether by commission or by omission.

General

43. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
 - 43.1. at the site of the authorised activity;
 - 43.2. to anyone on request; and
 - 43.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
44. 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: 01/12/2020



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations

Department of Environment, Forestry and Fisheries

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 listed activities as applied for in the application form received on 10 March 2020.
- b) The information contained in the BAR dated August 2020.
- c) The comments received from South African Heritage Resource Agency and interested and affected parties as included in the BAR dated August 2020.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated August 2020 and as appears below:

Title	Prepared by	Date
Heritage Impact Assessment	Prof. A.C. van Vollenhoven & Johan Smit,	28 November 2019
Socio-Economic Specialist Study	Umsizi Sustainable Social Solutions	December 2019
Paleontological Desktop Study	Dr JF Durand - Indawo Rentals (Pty) Ltd	21 July 2020
Biodiversity and Water Resource Assessment	The Biodiversity Company	December 2019

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 the decommissioning of the pipeline is that it is past its operational lifetime as it was established in 1965. The pipeline had an inherent welding defect, which increased the risk of pipeline failure and impact to the environment due to spillages.
- c) The BAR dated August 2020 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the proposed decommissioning of the Transnet Durban to Johannesburg Pipeline (DJP) after deactivation, i.e. product (hydrocarbon) displacement and cleaning.

- e) The methodology used in assessing the potential impacts identified in the BAR dated August 2020 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended 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 are detailed in the BAR dated August 2020 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 information contained in the BAR dated August 2020 is deemed to be accurate and credible.
- d) The findings of the site inspection held on 16, 17 and 18 November 2020.
- e) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- f) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

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

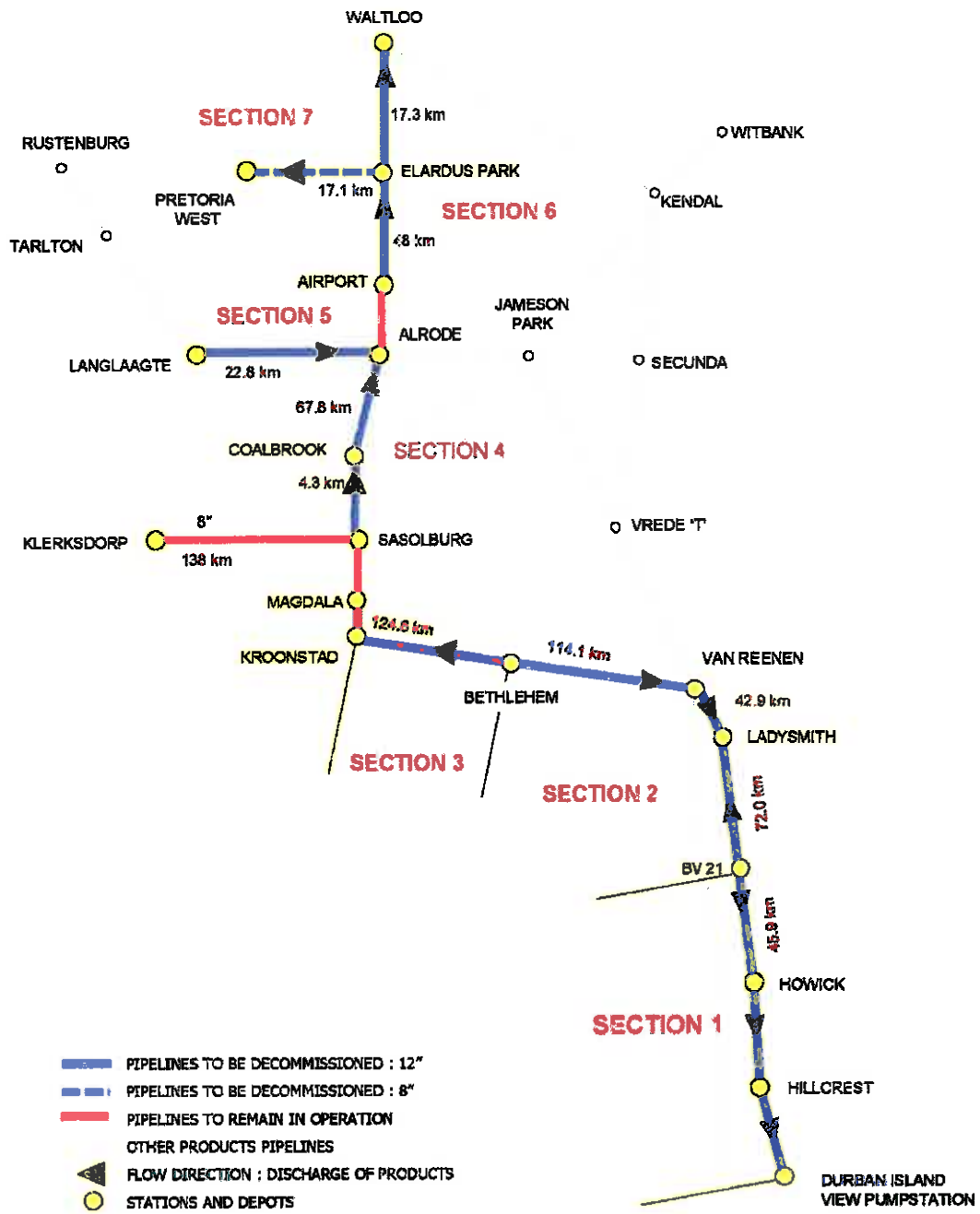


Figure 3: Schematic Layout – Discharge of Product

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