

BASIC ASSESSMENT REPORT



agriculture, environmental affairs,
rural development and land reform

Department:
agriculture, environmental affairs,
rural development and land reform .
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

SASKO Building, 90 Long Street, Private Bag X6102, Kimberley 8300 Tel. 053-8077300 Fax: 053-8077328

Project applicant:	Astron Energy (Pty) Ltd		
Business reg. no. /ID. no.:	1911/001154/07		
Contact person:	Mpho Mosima – Head of Environmental		
Postal address:	5 Century Boulevard, Century City, Cape Town, 7441		
Telephone:		Cell:	068 093 6256
E-mail:	Mpho.mosima@astronenergy.co.za	Fax:	

Chantel Muller & Jonathan Lassen		
2019/1362 & 2024/8038		
N/A		
Sillito Environmental Consulting		
Suite 401, Tokai on Main, 2 Burchell Road, Tokai		
Same as above		
7945	Cell:	076 785 7736
021 712 5060	Fax:	N/A
jonathan@environmentalconsultants.co.za		

Prepared by:

Environmental Assessment Practitioner/Firm:	Sillito Environmental Consulting. Chantel Muller and Jonathan Lassen		
Business reg. no. /ID. no.:	2019/1362 & 2024/8083		
Contact person:	Jonathan Lassen		
Postal address:	Suite 401, Tokai on Main, 2 Burchell Road, Tokai		
Telephone:		Cell:	076 785 7736
E-mail:	jonathan@environmentalconsultants.co.za	Fax:	

(For official use only)

File Reference Number:

Application Number:

Date Received:

PROJECT TITLE

Decommissioning of 2 × 83 m³ and 2 × 23 m³ Aboveground Storage Tanks at KP Lime, Lime Acres

Basic Assessment Report in terms of the Environmental Impact Assessment Regulations, 2014, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. This report format is current as of 07 April 2017. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
3. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
4. Where applicable **tick** the boxes that are applicable in the report.
5. An incomplete report may be returned to the applicant for revision.
6. The use of “not applicable” in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
7. This report must be handed in at offices of the relevant competent authority as determined by each authority.
8. No faxed or e-mailed reports will be accepted.
9. The signature of the EAP on the report must be an original signature.
10. The report must be compiled by an independent environmental assessment practitioner.
11. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
12. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
13. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report must also be submitted.

SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section?

YES

NO

If YES, please complete the form entitled "Details of specialist and declaration of interest" for the specialist appointed and attach in Appendix I.

1. ACTIVITY DESCRIPTION

a) Describe the project associated with the listed activities applied for

The proposed project involves the decommissioning of four (4) aboveground storage tanks (ASTs) located within the operational footprint of KP Lime in Lime Acres, Northern Cape. The site currently contains five (6) ASTs, comprising 3 × 83 m³, 1 × 30 m³, and 2 × 23 m³ tanks.

KP Lime intends to permanently retire and remove two (2) of the 83 m³ tanks and two (2) 23 m³ tank that have reached the end of their operational lifespan and are no longer required for site operations.

All tanks earmarked for decommissioning are aboveground steel vessels situated within the existing industrial area of the KP Lime facility. The proposed work will consist of:

- Isolating, draining and degassing each tank;
- Cleaning and neutralising internal residues in accordance with national hazardous materials standards;
- Dismantling, cutting and removing the tank structures from site using appropriate mechanical methods;
- Managing, transporting and disposing of all waste materials (including tank steel, residues, contaminated wash water and associated infrastructure) at licensed waste facilities; and
- Rehabilitating the immediate tank footprint, including removal of associated pipelines (if present), minor civil works, and ensuring the decommissioned areas are left in a safe, stable condition.

All works will be undertaken within the existing industrial boundary of KP Lime and will not require any new vegetation clearance, earthworks outside the developed footprint, or expansion of operational activities. The project will not introduce new infrastructure; instead, it represents a reduction in on-site fuel/chemical storage capacity and forms part of KP Lime's asset lifecycle management programme.

This activity will **trigger** Listing Notice 1 Activity 31 (decommissioning of facilities for the bulk storage of dangerous goods with a combined capacity of more than 80 m³), thereby requiring a Basic Assessment process in terms of the NEMA EIA Regulations, 2014 (as amended).

b) Provide a detailed description of the listed activities associated with the project as applied for

Listed activity as described in GN 327, 325 and 324	Description of project activity
Activity 31: The decommissioning of existing facilities, structures or infrastructure for— (i) any development and related operation activity or activities listed in this Notice,	<i>The project involves the decommissioning of four aboveground storage tanks at KP Lime, namely 2 × 83 m³ tanks and 2 × 23 m³ tanks. Works include draining, degassing, cleaning, dismantling and removing all tank components. The activity triggers Listing Notice 1 Activity 31</i>

Listing Notice 2 of 2014 or Listing Notice 3 of 2014;...	<i>for the decommissioning of bulk storage of dangerous goods.</i>

2. FEASIBLE AND REASONABLE ALTERNATIVES

“alternatives”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- (a) the property on which or location where it is proposed to undertake the activity;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;
- (d) the technology to be used in the activity;
- (e) the operational aspects of the activity; and
- (f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Appendix 1 (3)(h), Regulation 2014. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed.

The determination of whether site or activity (including different processes, etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the, competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

a) Site alternatives

No site alternatives are applicable in this case as the proposal is for the decommissioning of 2 x 83m³ ASTs and 2 x 23m³ ASTs within the existing industrial area of the KP Lime facility.

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

In the case of linear activities:

Alternative:

Latitude (S):

Longitude (E):

Alternative S1 (preferred)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

Alternative S2 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

Alternative S3 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A of this form.

b) Lay-out alternatives

No layout alternatives are applicable in this case as the proposal is for the decommissioning of 2 x 83m3 ASTs and 2 x 23m3 ASTs within the existing industrial area of the KP Lime facility.

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

c) Technology alternatives

No technology alternatives are applicable in this case as the proposal is for the decommissioning of 2 x 83m3 ASTs and 2 x 23m3 ASTs within the existing industrial area of the KP Lime facility.

Alternative 1 (preferred alternative)
Alternative 2
Alternative 3

d) Other alternatives (e.g. scheduling, demand, input, scale and design alternatives)

DECOMMISSIONING ALTERNATIVES CONSIDERED

Alternative 1 (preferred alternative)
Complete removal of ASTs: All tanks earmarked for decommissioning are aboveground steel vessels situated within the existing industrial area of the KP Lime facility. The proposed work will consist of: • Isolating, draining and degassing each tank; • Cleaning and neutralising internal residues in accordance with national hazardous materials standards; • Dismantling, cutting and removing the tank structures from site using appropriate mechanical methods; • Managing, transporting and disposing of all waste materials (including tank steel, residues, contaminated wash water and associated infrastructure) at licensed waste facilities; and • Rehabilitating the immediate tank footprint, including removal of associated pipelines (if present), minor civil works, and ensuring the decommissioned areas are left in a safe, stable condition.
Alternative 2
In-Situ Decommissioning of ASTs: An alternative that can be considered in the case of decommissioning of tanks is in-situ decommissioning where the ASTs are taken out of service, cleaned and rendered safe but remain physically in place on site rather than being removed.
Alternative 3

e) No-go alternative

The No-Go Alternative entails that the proposed decommissioning of the $2 \times 83 \text{ m}^3$ and $2 \times 23 \text{ m}^3$ above-ground storage tanks does **not take place**. The tanks and associated infrastructure (including bunding and pipelines) would remain on site in their current condition.

Paragraphs 3 – 13 below should be completed for each alternative.

3. PHYSICAL SIZE OF THE ACTIVITY

a) Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative:Alternative A1¹ (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the activity:

	N/A
	m ²
	m ²

¹ "Alternative A.." refer to activity, process, technology or other alternatives.

or, for linear activities:

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Length of the activity:

	m
	m
	m

b) ~~Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):~~

Alternative:

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the site/servitude:

	m ²
	m ²
	m ²

4. SITE ACCESS

Does ready access to the site exist?

If NO, what is the distance over which a new access road will be built

YES	NO
m	

Describe the type of access road planned:

--

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

5. LOCALITY MAP

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal

minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection).

6. LAYOUT/ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWS);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

10. ACTIVITY MOTIVATION

Motivate and explain the need and desirability of the activity (including demand for the activity):

1. Is the activity permitted in terms of the property's existing land use rights?	YES	NO	Please explain
The proposed activity is located within the existing operational footprint of the KP Lime industrial facility in Lime Acres, Northern Cape. The activity entails the decommissioning and removal of existing diesel aboveground storage tanks and does not introduce a new land use or alter the current use of the property. The activity is therefore considered compatible with the existing industrial land use rights applicable to the property.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES	NO	Please explain
The proposed activity does not constitute a greenfield development or expansion into previously undisturbed areas. The decommissioning of redundant infrastructure aligns with the objectives of sustainable resource management, environmental protection and responsible infrastructure management promoted by the Provincial Spatial Development Framework.			
(b) Urban edge / Edge of Built environment for the area	YES	NO	Please explain
The activity is located within an existing industrial facility and does not involve any expansion beyond the established operational footprint. The proposal therefore remains consistent with the existing built environment and does not affect the urban edge.			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES	NO	Please explain
The proposed activity supports the continued safe and environmentally responsible operation of an existing industrial facility. The decommissioning of redundant infrastructure does not conflict with the objectives of the relevant Integrated Development Plan (IDP) or Spatial Development Framework (SDF) and is not expected to compromise municipal planning objectives.			
(d) Approved Structure Plan of the Municipality	YES	NO	Please explain
The proposed activity is confined to an existing industrial site and does not require any change in land use, rezoning or development outside of the established operational area. The proposal is therefore considered compatible with the municipal structure plan.			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	YES	NO	Please explain
The activity involves the removal of existing diesel storage infrastructure and will result in a reduction in environmental risk associated with the storage of dangerous goods. The proposal supports environmental management objectives by reducing the potential for future contamination and does not conflict with environmental management priorities for the area.			

(f) Any other Plans (e.g. Guide Plan)	YES	NO	Please explain
No known planning instruments, guide plans or strategic planning frameworks have been identified that would conflict with the proposed activity. The proposal is consistent with responsible infrastructure management and environmental risk reduction principles.			
3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?	YES	NO	Please explain
The activity occurs within an existing industrial facility and supports the continued operation of the site. The proposal does not introduce a new land use and is therefore considered consistent with the long-term planning objectives applicable to the area.			
4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)	YES	NO	Please explain
The activity contributes to improved environmental management and operational safety at an established industrial facility. The removal of redundant diesel storage infrastructure reduces environmental liability and supports the continued sustainable operation of the facility, which contributes to local economic activity and employment.			
5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	YES	NO	Please explain
The activity involves decommissioning existing infrastructure and does not require additional municipal services or infrastructure capacity. Existing services available to the facility are considered sufficient for the proposed activity.			
6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	YES	NO	Please explain
The proposed activity does not require the provision of new municipal infrastructure or services. As a decommissioning project within an existing industrial facility, it will not place additional demands on municipal infrastructure planning.			
7. Is this project part of a national programme to address an issue of national concern or importance?	YES	NO	Please explain

8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)	YES	NO	Please explain
The activity is confined to an existing industrial area where the infrastructure is currently located. The site has already been transformed through industrial activities and no expansion into sensitive or undisturbed areas is proposed.			
9. Is the development the best practicable environmental option for this land/site?	YES	NO	Please explain
The proposed decommissioning represents the best practicable environmental option as it removes redundant diesel storage infrastructure, reduces environmental risk and avoids the need for continued maintenance of ageing facilities.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	YES	NO	Please explain
The identified impacts are temporary, localised and can be effectively mitigated. The long-term benefits associated with reduced environmental risk, reduced storage capacity and removal of ageing infrastructure outweigh the short-term impacts associated with decommissioning activities.			
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	YES	NO	Please explain
The proposal relates specifically to the decommissioning of existing infrastructure at the KP Lime facility. Approval would not create a precedent for inappropriate development elsewhere as each application must be assessed on its own merits and environmental context.			
12. Will any person's rights be negatively affected by the proposed activity/ies?	YES	NO	Please explain
The activity will occur within the existing operational footprint of the facility and is not expected to negatively affect the rights of neighbouring landowners, communities or interested and affected parties.			
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	YES	NO	Please explain
The proposal does not involve expansion of the existing facility and will remain entirely within the established industrial footprint.			
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	YES	NO	Please explain
The activity is not directly associated with any of the Strategic Integrated Projects. However, it indirectly supports responsible industrial infrastructure management and environmental sustainability objectives.			

15. What will the benefits be to society in general and to the local communities?	Please explain
The proposed activity will reduce the environmental risks associated with the storage of diesel, improve operational safety, remove redundant infrastructure and support the continued sustainable operation of the KP Lime facility. The activity contributes to responsible environmental management while supporting ongoing economic activity and employment opportunities associated with the facility.	
16. Any other need and desirability considerations related to the proposed activity?	Please explain
The activity forms part of proactive asset management aimed at reducing environmental liability and improving operational efficiency. The proposal represents environmental risk reduction rather than expansion of industrial activities and is therefore considered desirable from both environmental and operational perspectives.	
17. How does the project fit into the National Development Plan for 2030?	Please explain
The National Development Plan promotes sustainable economic development, efficient infrastructure management and environmental sustainability. The proposed activity supports these objectives through the responsible decommissioning of redundant infrastructure and the reduction of environmental risks associated with dangerous goods storage.	
18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.	
The Basic Assessment process has identified and assessed potential environmental impacts associated with the proposed activity. Appropriate mitigation measures have been developed to avoid, minimise and manage impacts. The assessment has considered environmental, social and economic factors to ensure informed decision-making and environmentally responsible development.	
19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.	
The proposal promotes sustainable development through the reduction of environmental risks associated with ageing diesel storage infrastructure. The precautionary principle has been applied through the identification of potential impacts and the implementation of mitigation measures. Pollution prevention, environmental protection and responsible resource management principles have been incorporated into the project design and proposed Environmental Management Programme.	

11. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

Title of Legislation, Policy or Guideline	Applicability to the Project	Administering Authority	Date
Constitution of the Republic of South Africa, Act 108 of 1996	Section 24 provides for the right to an environment that is not harmful to health or well-being and requires environmental protection through sustainable development.	Government of South Africa	1996

Title of Legislation, Policy or Guideline	Applicability to the Project	Administering Authority	Date
National Environmental Management Act, Act 107 of 1998 (NEMA)	The proposed activity triggers a listed activity in terms of the EIA Regulations and requires Environmental Authorisation prior to commencement. The Basic Assessment Process is being undertaken in terms of NEMA.	Department of Forestry, Fisheries and the Environment (DFFE) / Northern Cape Department of Environment and Nature Conservation (DENC)	1998
Environmental Impact Assessment Regulations, 2014 (as amended)	Regulates the Basic Assessment process required for the proposed decommissioning activity.	DFFE	2014 (as amended)
Listing Notice 1, GN R327 of 2017 (as amended)	Activity 31 is triggered due to the decommissioning of facilities used for the bulk storage of dangerous goods.	DFFE	2017 (as amended)
National Environmental Management: Waste Act, Act 59 of 2008 (NEM:WA)	Applicable to the handling, temporary storage, transportation and disposal of waste generated during decommissioning, including hazardous waste and contaminated materials.	DFFE	2008
National Waste Information Regulations	Applicable to the management and disposal of waste generated during the decommissioning process.	DFFE	2012
National Norms and Standards for the Assessment of Waste for Landfill Disposal	Applicable should contaminated materials or soils require disposal at licensed waste facilities.	DFFE	2013
National Water Act, Act 36 of 1998	Applicable to the prevention of pollution of water resources and management of any potential contamination incidents during decommissioning activities.	Department of Water and Sanitation (DWS)	1998
National Environmental Management: Air Quality Act, Act 39 of 2004	Applicable to the control of dust and emissions generated during decommissioning activities.	DFFE	2004
Occupational Health and Safety Act, Act 85 of 1993	Applicable to worker health and safety during tank cleaning, degassing, dismantling and waste handling activities.	Department of Employment and Labour	1993
Hazardous Chemical Agents Regulations	Applicable to the handling and management of diesel residues and potentially hazardous substances during decommissioning.	Department of Employment and Labour	2021
National Road Traffic Act, Act 93 of 1996	Applicable to the transportation of waste, contaminated materials and	Department of Transport	1996

Title of Legislation, Policy or Guideline	Applicability to the Project	Administering Authority	Date
National Heritage Resources Act, Act 25 of 1999	dismantled infrastructure from the site. Considered as part of the environmental assessment process. Given that the activity is confined to an existing industrial footprint, significant heritage impacts are not anticipated.	South African Heritage Resources Agency (SAHRA)	1999
National Environmental Management: Biodiversity Act, Act 10 of 2004	Considered as part of the environmental assessment. No disturbance of natural habitat or protected species is anticipated.	DFFE	2004
National Environmental Management: Protected Areas Act, Act 57 of 2003	Considered during the screening process to ensure no protected areas are affected by the proposed activity.	DFFE	2003
National Environmental Management Principles (Section 2 of NEMA)	Provides the environmental management principles that underpin decision-making and impact assessment.	DFFE	1998
National Development Plan 2030	Supports sustainable infrastructure management, environmental protection and responsible resource use.	Presidency of South Africa	2012
Environmental Screening Tool and Screening Tool Report Requirements	The screening tool was used to identify environmental sensitivities and specialist study requirements for the site.	DFFE	Current
Northern Cape Department of Environment and Nature Conservation Basic Assessment Report Guidelines	Provides procedural guidance for the preparation and submission of the Basic Assessment Report.	Northern Cape DENC	Current

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

If YES, what estimated quantity will be produced per month?

YES	NO
TBC m ³	

How will the construction solid waste be disposed of (describe)?

Waste generated during the decommissioning phase will include scrap metal, sections of piping, concrete debris (if applicable), packaging materials, absorbent materials, and general construction waste. Waste will be separated at source where practicable and removed from site by suitably authorised waste contractors. Recyclable materials, particularly scrap steel from the ASTs, will be transported to approved recycling facilities. General waste will be disposed of at an appropriately licensed waste disposal facility.

Where will the construction solid waste be disposed of (describe)?

General waste will be disposed of at a licensed landfill facility approved to accept the relevant waste streams. Recyclable metal components will be transported to an approved recycling facility. The final disposal facilities and waste manifests will be maintained by the appointed contractor.

Will the activity produce solid waste during its operational phase?

YES	NO
-----	----

If YES, what estimated quantity will be produced per month?

N/A

How will the solid waste be disposed of (describe)?

Not applicable. The proposed activity involves the decommissioning and removal of existing infrastructure and does not result in an operational phase that generates additional solid waste.

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Not applicable

Where will the solid waste be disposed of if it does not feed into a municipal waste stream (describe)?

Not applicable

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA?

YES	NO
-----	----

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

The proposed activity involves the decommissioning of existing aboveground diesel storage tanks. As the tanks are located above ground, the likelihood of encountering contaminated soils is considered low. Unlike underground storage tank decommissioning projects, no excavation of potentially contaminated subsurface infrastructure is proposed and significant soil contamination is therefore not anticipated.

Limited quantities of hazardous waste may however be generated during the decommissioning process, including:

- Residual diesel and hydrocarbon products remaining within the tanks;
- Tank cleaning residues and sludge;
- Hydrocarbon-contaminated absorbent materials used during cleaning and spill response activities;
- Contaminated personal protective equipment (PPE), if applicable; and
- Small quantities of contaminated material associated with isolated spills should they occur during decommissioning.

Any hazardous waste generated will be collected, temporarily stored in appropriate containers and removed by suitably authorised contractors for disposal at appropriately licensed waste management facilities in accordance with the National Environmental Management: Waste Act, 2008 (Act 59 of 2008). Given that the project involves the decommissioning of aboveground storage tanks within an existing industrial facility, significant contaminated soil volumes are not anticipated and hazardous waste generation is expected to be limited and localised.

Is the activity that is being applied for a solid waste handling or treatment facility?

YES

NO

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

YES

NO

If YES, what estimated quantity will be produced per month?

m³

Will the activity produce any effluent that will be treated and/or disposed of on site?

YES

NO

If YES, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?

YES

NO

If YES, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:		Cell:	
E-mail:		Fax:	

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

The proposed activity involves the decommissioning of existing aboveground diesel storage tanks. Limited quantities of wastewater may be generated during tank cleaning and decontamination activities. Tank cleaning residues and wash water, if generated, will be collected, contained and removed from site by a suitably authorised waste service provider for treatment and disposal at an appropriately licensed facility.

Given the nature and limited quantity of wastewater likely to be generated, opportunities for reuse or recycling are considered limited. The primary objective will be to prevent environmental contamination through appropriate containment, collection and disposal.

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

YES	NO
YES	NO

If YES, is it controlled by any legislation of any sphere of government?

If YES, the applicant must consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

If NO, describe the emissions in terms of type and concentration:

The proposed decommissioning of aboveground diesel storage tanks is not expected to result in significant atmospheric emissions. Minor and temporary emissions may occur during tank cleaning, degassing and dismantling activities. These emissions will be localised, short-term and limited to residual diesel vapours released during the cleaning and degassing process.

Dust generation associated with vehicle movement and dismantling activities may occur temporarily during the decommissioning phase and will be managed through standard dust suppression measures where required.

No operational atmospheric emissions are anticipated as the project relates solely to the removal of existing infrastructure.

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

YES	NO
-----	----

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

YES	NO
YES	NO

If YES, is it controlled by any legislation of any sphere of government?

Describe the noise in terms of type and level:

Noise will be generated during the decommissioning phase as a result of vehicle movements, operation of lifting equipment, cutting equipment, dismantling activities and the loading of tank components for transport off-site.

The noise generated will be temporary, localised and limited to normal daytime working hours. Noise levels are expected to be typical of industrial maintenance and demolition activities occurring within an existing industrial facility.

The activity will be undertaken in accordance with the Occupational Health and Safety Act (Act 85 of 1993) and any applicable municipal or provincial noise control regulations.

13. WATER USE

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

☒ Municipal	☐ Water board	☐ Groundwater	☐ River, stream, dam or lake	☐ Other	☐ The activity will not use water
--	--------------------------------------	--------------------------------------	---	--------------------------------	--

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

litres	
YES	NO

14. ENERGY EFFICIENCY

Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

The proposed activity involves the decommissioning and removal of existing infrastructure rather than the construction or operation of new facilities. Energy requirements will be temporary and limited to the use of equipment, machinery and vehicles required during the decommissioning process. Efficient construction practices, appropriate equipment selection and minimisation of unnecessary machinery idling will be implemented to reduce energy consumption where reasonably practicable.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

The proposed activity is temporary in nature and does not involve the establishment of permanent infrastructure or operational facilities. Accordingly, alternative energy sources are not considered applicable to the proposed decommissioning project.

SECTION B: SITE/AREA/PROPERTY DESCRIPTION**Important notes:**

- For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section B and indicate the area, which is covered by each copy No. on the Site Plan.

Section B Copy No. (e.g. A):

- Paragraphs 1 - 6 below must be completed for each alternative.

- Has a specialist been consulted to assist with the completion of this section?

☐ YES☒ NO

If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

**Property
description/physi-
cal address:**

Province	Northern Cape
District Municipality	ZFM District Municipality
Local Municipality	Kgatelopele Local Municipality
Ward Number(s)	Ward 4 (Lime Acres falls under Ward 4 of Kgatelopele LM)
Farm name and number	Lime Acres (immediately adjacent) Danielskuil (±15 km)
Portion number	Portion of Farm 52/458
SG Code	C03100000000045800052

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

**Current land-use
zoning as per
local municipality
IDP/records:**

Industrial Use

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required?

☐ YES☒ NO

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
------	-------------	-------------	-------------	--------------	-------------	------------------

Alternative S2 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
------	-------------	-------------	-------------	--------------	-------------	------------------

Alternative S3 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
------	-------------	-------------	-------------	--------------	-------------	------------------

2. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site:

2.1 Ridgeline	☐	2.4 Closed valley	☐	2.7 Undulating plain / low hills	☐
2.2 Plateau	☐	2.5 Open valley	☐	2.8 Dune	☐
2.3 Side slope of hill/mountain	☐	2.6 Plain	☒	2.9 Seafront	☐
2.10 At sea	☐				

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Is the site(s) located on any of the following?

	Alternative S1:		Alternative S2 (if any): N/A		Alternative S3 (if any): N/A	
Shallow water table (less than 1.5m deep)	YES	NO	YES	NO	YES	NO
Dolomite, sinkhole or doline areas	YES	NO	YES	NO	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO	YES	NO	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO	YES	NO	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO	YES	NO	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO	YES	NO	YES	NO
Any other unstable soil or geological feature	YES	NO	YES	NO	YES	NO
An area sensitive to erosion	YES	NO	YES	NO	YES	NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted.

4. GROUND COVER

Indicate the types of groundcover present on the site. The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Natural veld in good condition^E	Natural veld with scattered aliens^E	Natural veld with heavy alien infestation^E	Veld dominated by alien species^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an “E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.

5. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO	UNSURE
Non-Perennial River	YES	NO	UNSURE
Permanent Wetland	YES	NO	UNSURE
Seasonal Wetland	YES	NO	UNSURE
Artificial Wetland	YES	NO	UNSURE
Estuarine / Lagoonal wetland	YES	NO	UNSURE

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

6. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

Natural area	Dam or reservoir	Polo fields
Low density residential	Hospital/medical centre	Filling station^H
Medium density residential	School	Landfill or waste treatment site
High density residential	Tertiary education facility	Plantation

BASIC ASSESSMENT REPORT

Informal residential	Church	Agriculture
Retail commercial & warehousing	Old age home	River, stream or wetland
Light industrial	Sewage treatment plant ^A	Nature conservation area
Medium industrial ^{AN}	Train station or shunting yard ^N	Mountain, Koppie or ridge
Heavy industrial ^{AN}	Railway line ^N	Museum
Power station	Major road (4 lanes or more) ^N	Historical building
Office/consulting room	Airport ^N	Protected Area
Military or police base/station/compound	Harbour	Graveyard
Spoil heap or slimes dam ^A	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe)

If any of the boxes marked with an "N" are ticked, how this impact will / be impacted upon by the proposed activity? Specify and explain:

The proposed activity consists of the decommissioning of existing aboveground diesel storage tanks within an established industrial facility. The activity is temporary, localised and of short duration. No significant impacts on nearby transportation infrastructure, including roads, rail infrastructure or the airport, are anticipated. Temporary vehicle movements associated with waste removal and equipment transport are expected to be minor and will not affect the operation of surrounding infrastructure.

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

The surrounding area contains existing industrial and mining-related activities associated with the Lime Acres industrial area. The proposed activity will occur within an already transformed industrial environment and is compatible with the existing character of the area. No significant cumulative impacts are anticipated as the project involves the removal of infrastructure rather than expansion of industrial activities.

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

Fuel storage and fuel handling activities already occur within the operational environment of the facility. The proposed decommissioning activity will reduce the overall diesel storage capacity on site and therefore reduce long-term environmental risks associated with the storage of dangerous goods.

Does the proposed site (including any alternative sites) fall within any of the following:

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO
Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

7. CULTURAL/HISTORICAL FEATURES

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES

NO

Uncertain

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) to establish whether there is such a feature(s) present on or close to the site. Briefly explain the findings of the specialist:

Will any building or structure older than 60 years be affected in any way?

YES

NO

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

YES

NO

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8. SOCIO-ECONOMIC CHARACTER

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

The local municipality experiences unemployment levels typical of many rural municipalities in the Northern Cape Province, with employment largely supported by mining, industrial activities, agriculture and associated service industries.

Economic profile of local municipality:

The local economy is strongly influenced by mining, mineral processing, agriculture, industrial activities and associated support services. The KP Lime facility contributes to the industrial and economic base of the area through its ongoing operations and employment opportunities.

Level of education:

The municipality contains a range of educational facilities serving local communities. Educational attainment levels are generally reflective of rural Northern Cape conditions, with varying levels of secondary and tertiary education participation.

b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?

Minimal

What is the expected yearly income that will be generated by or as a result of the activity?	The project will not generate income. It involves the decommissioning of existing infrastructure and therefore does not create direct revenue.
Will the activity contribute to service infrastructure?	YES NO
Is the activity a public amenity?	YES NO
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	Limited, approximately 5 - 7 skilled personnel (ECO oversight, safety officer, tank decommissioning specialists).
What is the expected value of the employment opportunities during the development and construction phase?	Limited, approximately 5 - 7 temporary laborers or general assistants during decommissioning.
What percentage of this will accrue to previously disadvantaged individuals?	%
How many permanent new employment opportunities will be created during the operational phase of the activity?	0
What is the expected current value of the employment opportunities during the first 10 years?	The project does not extend beyond a once-off decommissioning period and has no 10-year employment horizon.
What percentage of this will accrue to previously disadvantaged individuals?	N/A

9. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/ EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	

b) Indicate and describe the habitat condition on site

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	0%	No natural habitat occurs within the activity footprint.
Near Natural (includes areas with low to moderate level of alien invasive plants)	0%	No natural habitat occurs within the activity footprint.
Degraded (includes areas heavily invaded by alien plants)	5%	Small disturbed areas may occur around operational infrastructure.
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	95%	Existing industrial infrastructure, hardstand areas, tank farm infrastructure and associated operational areas.

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems							
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchannelled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline		
	Endangered								
	Vulnerable								
	Least Threatened	YES	NO	UNSURE	YES	NO	YES	NO	

d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)

The proposed activity is situated within the existing operational footprint of the KP Lime industrial facility. The project area consists predominantly of transformed industrial land occupied by aboveground storage tanks, associated infrastructure, hardstand areas and disturbed surfaces.

No sensitive vegetation communities, threatened plant species, protected fauna habitats or important biodiversity features have been identified within the proposed decommissioning footprint. The activity does not require vegetation clearing and will not result in the loss of natural habitat.

The proposed decommissioning activity is therefore expected to have negligible impacts on biodiversity resources.

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

Publication name	TBC	
Date published		
Site notice position	Latitude	Longitude
Date placed		

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

2. DETERMINATION OF APPROPRIATE MEASURES

Provide details of the measures taken to include all potential I&APs as required by Regulation 41(2)(e) and 41(6) of GN 733.

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 733

Title, Name and Surname	Affiliation/ status	key stakeholder	Contact details (tel number or e-mail address)
TBC			

Include proof that the key stakeholder received written notification of the proposed activities as Appendix E2. This proof may include any of the following:

- e-mail delivery reports;
- registered mail receipts;
- courier waybills;
- signed acknowledgements of receipt; and/or
- or any other proof as agreed upon by the competent authority.

3. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summary of main issues raised by I&APs	Summary of response from EAP
TBC	

4. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments received from I&APs and respond to each comment before the Draft BAR is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to the Final BAR as Appendix E3.

5. AUTHORITY PARTICIPATION

Authorities and organs of state identified as key stakeholders:

Authority/Organ of State	Contact person (Title, Name and Surname)	Tel No	e-mail	Postal address
Kgatelopele Local Municipality	Municipal Manager	Tel: (053) 384 8600	info@kgatelopele.gov.za municipal.manager@kgatelopele.gov.za	Private Bag X2, Danielskuil 8405
Northern Cape Department of Environment and Nature Conservation (DENC)	Environmental Authorisations Directorate	Tel: 053 807 7306		Private Bag X6010, Kimberley, 8300; Metlife Towers, cnr Market Square and Stead Street, Kimberley, 8300
Department of Water and Sanitation		Tel: 053 830 8800		Kimberley Regional Office
South African Heritage Resources Agency (if required)			Email notification generally submitted through the SAHRIS online system	

Include proof that the Authorities and Organs of State received written notification of the proposed activities as appendix E4.

In the case of renewable energy projects, Eskom and the SKA Project Office must be included in the list of Organs of State.

6. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for any activities (linear or other) where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub-regulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable. Application for any deviation from the regulations relating to the public participation process must be submitted prior to the commencement of the public participation process.

A list of registered I&APs must be included as appendix E5.

Copies of any correspondence and minutes of any meetings held must be included in Appendix E6.

SECTION D: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014 and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A(2) of this report.

Activity	Impact summary	Significance	Proposed mitigation
Alternative 1 (preferred alternative)			
Alternative 1 (Preferred Alternative): Decommissioning of 2 × 83 m ³ and 2 × 23 m ³ ASTs	Direct impacts: Temporary dust generation, noise generation, vehicle movement, handling of hydrocarbon residues, waste generation and potential localised spills during decommissioning.	Low to Medium Negative	Implement spill prevention measures; ensure tanks are cleaned and degassed prior to dismantling; utilise spill kits; remove all waste to licensed facilities; limit work to daylight hours ; implement dust suppression where necessary.
	Indirect impacts: Temporary increase in traffic associated with transport of dismantled infrastructure and waste materials. Minor disruption within the operational area during decommissioning activities.	Low Negative	Utilise designated access routes; ensure loads are secured during transport; implement traffic safety procedures.
	Cumulative impacts: Reduction in cumulative environmental risk associated with long-term diesel storage and ageing infrastructure.	Low Positive	Removal of redundant infrastructure; rehabilitation and housekeeping of disturbed areas.
	Direct impacts: Potential occupational health and safety risks associated with tank cleaning, cutting and dismantling activities.	Medium Negative	Implement contractor Health and Safety Plan; ensure use of PPE; conduct degassing prior to cutting; maintain fire-fighting equipment on site.
	Indirect impacts:	Low Negative	Restrict activities to operational working hours

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	Minimal short-term nuisance impacts to surrounding industrial activities.		and maintain communication with site management.
	Cumulative impacts: Long-term reduction in environmental liability and contamination risk associated with redundant diesel storage infrastructure.	Medium Positive	Proper decommissioning and removal of redundant infrastructure.
Alternative 2 <i>*No feasible alternative site or layout alternatives were identified as the proposed activity relates specifically to the decommissioning of existing fixed infrastructure within the operational footprint of the KP Lime facility.</i>			
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
Alternative 3			
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
No-go option			
	Direct impacts: Existing redundant AST infrastructure would remain on site. Continued maintenance requirements and ageing infrastructure would increase long-term environmental liability.	Medium Negative	None.
	Indirect impacts:	Medium negative	None

Activity	Impact summary	Significance	Proposed mitigation
	Increased long-term risk of corrosion, infrastructure deterioration and potential hydrocarbon contamination associated with unused infrastructure.		
	Cumulative impacts: Continued storage of redundant infrastructure would maintain cumulative environmental risks associated with diesel storage facilities.	Medium negative	None

A complete impact assessment in terms of Regulation 19(3) of GN 733 must be included as Appendix F.

2. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Alternative A (preferred alternative)

The preferred alternative entails the decommissioning and removal of two 83 m³ and two 23 m³ aboveground diesel storage tanks within the existing operational footprint of the KP Lime facility. The proposed activity is not expected to result in significant adverse environmental impacts following implementation of mitigation measures. Potential impacts associated with the project are primarily temporary and relate to noise generation, dust generation, waste management, hydrocarbon handling and occupational health and safety risks during decommissioning activities. The activity will occur entirely within a previously transformed industrial environment and will not require vegetation clearance, expansion of the operational footprint or disturbance of sensitive environmental features. The project will result in a reduction of diesel storage capacity and a corresponding reduction in long-term environmental risk associated with the storage of dangerous goods. Following mitigation, the overall significance of impacts associated with the preferred alternative is considered Low.

Alternative B

Alternative C

No-go alternative (compulsory)

Under the No-Go Alternative, the redundant aboveground diesel storage tanks would remain in place within the operational area. Although no short-term decommissioning impacts would occur, the continued presence of ageing and redundant infrastructure would maintain or potentially increase long-term environmental risks

associated with structural deterioration, hydrocarbon leaks, contamination and ongoing maintenance obligations.

The No-Go Alternative would therefore not achieve the environmental benefits associated with the removal of redundant infrastructure and reduction of environmental liability.

The preferred alternative is therefore considered the most environmentally acceptable option.

SECTION E. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?

YES

NO

If "NO", indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment).

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application.

It is recommended that Environmental Authorisation be granted for the proposed decommissioning of two 83 m³ and two 23 m³ aboveground diesel storage tanks at the KP Lime facility, subject to the following conditions:

- All decommissioning activities must be undertaken within the existing operational footprint of the facility.
- Tanks must be fully drained, cleaned and degassed prior to dismantling.
- Spill prevention and containment measures must be implemented throughout the decommissioning process.
- Spill kits and emergency response equipment must be available on site at all times.
- All waste, including hazardous waste, must be removed by authorised contractors and disposed of at appropriately licensed facilities.
- Waste manifests and disposal certificates must be retained and made available upon request.
- Dust suppression measures must be implemented where necessary.
- Decommissioning activities should be restricted to daylight hours where practicable.
- Appropriate health and safety measures, including the use of PPE and implementation of a contractor Health and Safety Plan, must be implemented.
- Any contaminated material encountered during decommissioning must be appropriately managed and disposed of in accordance with applicable legislation.
- Disturbed areas must be cleaned and rehabilitated upon completion of the decommissioning activities.
- The recommendations and mitigation measures contained in the EMPr must be implemented throughout all phases of the project.

Is an EMPr attached?

YES

NO

The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

BASIC ASSESSMENT REPORT

Chantel Muller
NAME OF EAP

Müller
SIGNATURE OF EAP

29/07/2026
DATE

SECTION F: APPENDIXES

The following appendixes must be attached:

Appendix A: Maps

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports (including terms of reference)

Appendix E: Public Participation

Appendix F: Impact Assessment

Appendix G: Environmental Management Programme (EMPr)

Appendix H: Details of EAP and expertise

Appendix I: Specialist's declaration of interest

Appendix J: Additional Information