GAUTENG PROVINCE
AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

Application for *NEW* waste management licence in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008), as amended and the Environmental Impact Assessment Regulations, 2014 (Version 2)

PART 1: THE WASTE LICENSING APPLICATION PROCESS

SECTION 1: LICENSING APPLICATION PROCESS FOR WASTE ACTIVITIES EXPLAINED

1.1 Licensing process:

1.1.1 The waste licensing process for listed activities in terms of National Environment Management Waste Act, 2008 (Act 59 of 2008) (NEMWA), as amended is outlined in the Environmental Impact Assessment (EIA) Regulations, 2014 made under section 24(5) of the National Environment Management Act, 1998 (Act 107 of 1998).

3.1.1 This application form is current as of 08 December 2014. It is the responsibility of the EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority. It is the applicant's responsibility to download the current version of the application form from the website of the Department at **http://www.gdard.gov.za.**

3.1.2 **Three copies** of this form (i.e. one copy with original signatures and two copies of the original) must be submitted at the offices of the relevant competent authority as detailed below prior or simultaneously with the submission of the Draft Basic Assessment Report or the Draft Scoping Report.

3.1.3 One hard copy and two CD's of draft reports must be submitted to the relevant Competent Authority for review and comments.

3.1.4 The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.

3.1.5 The applicant must clearly mark confidential sections of the information submitted in the application form and supporting documents. Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

3.1.6 The applicant must fill in **all** relevant sections of this form. Incomplete applications will not be processed. The applicant will be notified of the missing information in the acknowledgement letter that will be sent within 10 days of receipt of the application.

3.1.7 Incomplete applications may be returned to the applicant for revision.

3.1.8 Sections in the form that do not apply to the applicant must be marked "not applicable".
However, the use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.

3.1.9 Where applicable **black out** the boxes that are not applicable in the form.

3.1.10 All application forms must be signed as stipulated in the form. Applications that are not signed or completed accordingly will not be considered.

3.1.11 No faxed or e-mailed applications will be accepted. Only hand delivered or posted applications will be accepted.

3.1.12 Unless protected by law, all information filled in on this application will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this application on request, during any stage of the application process.

1.1.2 Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the Fee Regulations, 2014 is applicable AND such information in part 2 of this application form has been confirmed by this Department.

For official use only

Application Number:	
NEAS Reference number:	
Date Received:	

1. DEPARTMENTAL DETAILS

Postal Address
Gauteng Department of Agriculture and Rural Development
Attention: Deputy Director: Strategic Administrative Unit of the Sustainable Utilization of the Environment (SUE) Branch
P. O. Box 8769
Johannesburg
2000

Physical Address
Administrative Unit of the Sustainable Utilisation of the Environment (SUE) Branch
Ground floor, Diamond Building, 11 Diagonal Street
Johannesburg

Queries should be directed to the Strategic Administrative Unit at:
Administrative Unit telephone number (011) 240 3051/3052
Administrative Unit fax number (011) 240 3055
Departmental central telephone number (011) 240 2500

View the Department's website at http://www.gdard.gov.za for the latest version of the documents

Application for Waste Management Licence in terms of NEM: Waste Act, 2008 (Act No. 59 of 2008)

Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for in the fee Regulations is applicable **AND** such information in the exclusion section of this application form has been confirmed by this Department.

2. FEES

Gauteng Department of Agriculture and Rural Development' details for the payment of application fees

Payment Enquiries:
Contact person: Boniswa Belot
Tel: (011) 240 3377/3051
Email: Boniswa.Belot@gauteng.gov.za

Department Banking details:
Bank Name: FNB Bank
Account Name: GPG Agriculture & Rural - Supp acc
Account Number: 62305766878
Branch Name and Number: Commercial Account Services – 210-554
Reference number: Project Reference Number (to be obtained from the Department) followed by 4 Xs

e.g. GAUT0021516E0000XXXX (**please note that this bank account has a transaction rule with a 20 alpha/numeric reference, filled with X, quote this reference number when making payment**)

Application form to be submitted with proof of payment attached- **Annexure 1**

Tax exemption status:
Status: Tax Exempted

EXCLUSIONS

An applicant is excluded from paying fees if:

- The activity is a community-based project funded by a government grant; or
- The applicant is an organ of state.

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, exclusion applies. Proof and a motivation for exclusions must be attached to this application form as **Annexure 2.**

Proof attached	X

Exclusion applies **Not applicable**

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community-based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT

Application	Fee
Applications for a waste management licence for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	**R2 000**
Application for a waste management licence, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	**R10 000**
Applications dealt with in terms of section 24L of the Act (where an environmental authorisation is required in terms of NEMA and a waste management licence is required in terms of NEMWA and the same competent authority is dealing with both these applications)	**a) 100% of the most expensive application, namely, R10 000 (Ten Thousand Rand) if S&EIR is triggered and R2 000 (Two Thousand Rand) if the basic assessment is triggered;** **(b) 50% of the other application, namely, R5 000-00 (Five Thousand Rand) if the S&EIR is triggered or R1 000 (One Thousand Rand) if the basic assessment is triggered.**

SECTION 2: DEFINITIONS

2.1 Definitions in this form are as per the EIA Regulation, 2014 and waste management activities list in terms of NEMWA, as amended.

SECTION 3: THE WASTE LICENSING APPLICATION STAGES

3.1 Stage 1: Pre-application
Before making an application:
- The applicant must appoint an EAP in terms of EIA Regulations, 2014
- The EAP must comply with general requirements as given in EIA Regulations, 2014
- The EAP may be disqualified in terms of EIA Regulations, 2014

3.2 Criteria for determining whether basic assessment or scoping is to be applied to applications:

3.2.1 Basic assessment must be applied to an application if the authorisation applied for is in respect of an activity listed in Category A in schedule 1 of NEMWA.

3.2.2 Scoping and EIA must be applied to an application if the authorisation applied for is in respect of an activity listed in Category B in schedule 1 of NEMWA.

SECTION 4: PROJECT ADMINISTRATIVE DETAILS

Select the appropriate box with regards to the application form submission

Is this an application for conducting a Basic Assessment (as defined in the Regulations)?	**YES**	[redacted]		
Please indicate when the Basic Assessment Report will be submitted:	**The Basic Assessment Report will be submitted in July 2019**			
Is this an application for conducting a Scoping & EIA process (as defined in the Regulations)?	[redacted]	**NO**		
Please indicate when the Scoping Report and Plan of Study for EIA will be submitted:	**Not Applicable**			
Is this a resubmission of an application for conducting a Basic Assessment (as defined in the Regulations)?	[redacted]	**NO**		
Is this a resubmission of an application for conducting a SR & EIA process (as defined in the Regulations)		**NO**		

[redacted]	NO
YES	NO

Has this project or a substantial similar project which has been previously submitted by the applicant been denied licensing / permitting by the relevant authority in the last 3 (three) years
If yes will the application contain new or additional material not submitted previously
To be noted that Regulation 49 of EIA Regulations, 2014 states that no applicant may submit an application which is substantially similar to a previous application which has been refused unless the appeal on such refusal, if any, has been finalised.

Please ensure that Appendix A1, B1 and B2 are completed and included in reports to be submitted

SECTION 5: ACTIVITIES APPLIED FOR

An application may be made for more than one listed or specified activity that, together, make up one development proposal. All the listed activities that make up this application must be listed.

INDICATE THE NO. & DATE OF THE RELEVANT NOTICE:	CATEGORY A OR B (AS LISTED IN NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT)	ACTIVITY NUMBERS (AS LISTED IN EITHER CATEGORY A OR B OF NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT)	DESCRIBE EACH LISTED ACTIVITY:

GN 921 of 29 November 2013	A	Activity 3: The recycling of general waste at a facility that has an operational area in excess of 500m2, excluding recycling that takes place as an integral part of an internal manufacturing process within the same premises.	The proposed cellulose recovery plant will undertake recycling activities which will involve the shredding of third party sourced pre- and post-consumer newsprint to recover cellulosic fibres. This recycling activity will be undertaken in a facility with an operational area of 4970m^2. Activity 3 will therefore be applicable to this application.
GN 921 of 29 November 2013	A	Activity 5: The recovery of waste including the refining, utilisation, or co-processing of waste in excess of 10 tons but less than 100 tons of general waste per day or in excess of 500kg but less than 1 ton of hazardous waste per day, excluding recovery that takes place as an integral part of an internal manufacturing process within the same premises.	The proposed cellulose recovery plant will recover cellulosic fibres from approximately 38.3 tons of newsprint per day. Activity 5 will therefore be applicable to this application.
GN 921 of 29 November 2013	A	Activity 6: The treatment of general waste using any form of treatment at a facility that ha the capacity to process in excess of 10 tons but less than 100 tons.	In terms of the NEM:WA, the definition of "treatment" means *any method, technique or process that is designed to-* *(a) change the physical, biological or chemical character or composition of a waste; or* *(b) remove, separate, concentrate or recover a hazardous or toxic component of a waste; or* *(c) destroy or reduce the toxicity of a waste.* *in order to minimise the impact of the waste on the environment prior to further use or disposal.* The proposed manufacturing process will change the physical character or composition of the waste by breaking the newsprint down to fibres and blending the cellulose fibres with Ammonium Sulphate, Boric Acid bico fibres whereafter the mat product that is formed are subjected to a thermo-bonding process when the product is put through an oven. Although the purpose of this "treatment" process is not to minimise the impact of the waste on the environment, but rather to prepare the newsprint waste to be utilised in the process to produce insulation mats, this listed activity is accepted to apply to the activity 6(a), i.e.change the physical, biological or chemical

			character or composition of a waste.
GN 921 of 29 November 2013	A	Activity 12: The construction of a facility for a waste management activity listed in Category A of this Schedule (not in isolation to associated waste management activity).	The process of recovering cellulosic fibres from pre- and post-consumer newsprint will be undertaken in a facility that has an operational footprint of 4970m^2. Activity 12 will therefore be applicable to this application.

PART 2: APPLICATION FORM FOR NEW LICENCE

SECTION 1 – TYPE OF FACILITY:

Indicate the type of facility/operation and fill in the required sections only

TYPE OF ACTIVITY	MARK	SECTIONS OF THE FORM TO BE FILLED IN
Recycling and/or recovery Facility	**X**	All except Section 8
Storage and/or transfer Facility	**X**	All except Section 8
Treatment facility		All except Section 8
Disposal facility		All sections

All sections of this form are important, and they must all be filled as per this section.

NB: Authorisation issued will only cover activities applied for and listed above. Activities added in the middle or after the processing of this authorisation may mean a totally new application.

SECTION 2: SITE IDENTIFICATION, LOCATION AND LANDUSE

Please give a full **description of the property** on which the site is situated in terms of the Deeds Act and examples of the address are:

- Portion 49 (portion of Portion 27) of the farm Brandbach 471 JR
- -Remainder of the farm Klaver Valley 356
- -Remaining Extend of Portion 6 of the farm Klaver Valley 356
- -Sub 36 (sub of Sub 24) of the farm Weltevreden 1017
- -Plot 10 of Hunters Hill Agricultural holdings
- -Portion 1 of Erf 155, Dendron Township

The study area is located on Part of Portion 273 of the farm Klippoortje No 110-IR and Part of Erf 876 Wadeville Extension 50, which falls within the jurisdiction of Ekurhuleni Metropolitan Municipality (EMM).

Size of Site and Classification

Size of facility for a waste management activity	10790 m^2
Classification of facility in terms of climatic water balance	The site is classified as B- in terms of the climatic water balance. Please take note: the facility in question is not a landfill site and therefore this application is not a landfill site application. Climatic water balance is therefore not applicable to this application. Furthermore, the waste management activity (recovery of waste) will take place within an enclosed warehouse structure and is therefore protected from precipitation and extreme weather. The recovery process that will be employed also does not use water, therefore no leachate will be produced in the process.

Classification of Facility in terms of the type and the quantity of waste received	The facility in question is a Category A facility (equivalent to a Basic Impact Assessment) and will receive General Waste (pre- and post-consumer newsprint). No potential for leachate existing as the facility will be enclosed warehouse infrastructure and the recovery process will not use water, hence no leachate will be produced.

Current land-use where the site is situated:

Industrial	**X**	Recreation	
Agriculture		Commercial	
Residential		Mining & quarrying	
Forestry		Wilderness areas	
Wetlands		Nature area	
Open spaces			

Other……
……

	MARK YES/NO	SECTION IN THE REPORTS WHERE RELAVANT AUTHORISATION IS ATTACHED
Is a change of land-use or a consent use application required?	**NO**	Land is already zoned for Industrial 1. Zoning certificate in Appendix D.
Must a building plan be submitted to the local authority for approval?	**NO**	

Geographical coordinates of the external corner points of the site:

Number of corner	Latitude **(South)**			Longitude **(East)**		
…**A**……..	26°	16'	25.6"	28°	11'	32.8"
…**B**……..	26°	16'	24.8"	28°	11'	36.8"
…**C**……..	26°	16'	25.3"	28°	11'	36.9"
…**D**……..	26°	16'	25.0"	28°	11'	37.8"
…**E**……..	26°	16'	27.4"	28°	11'	38.6"
…**F**……..	26°	16'	27.9"	28°	11'	38.2"
…**G**……..	26°	16'	27.0"	28°	11'	37.9"
…**H**……..	26°	16'	28.1"	28°	11'	33.4"
……..	°	'	"	°	'	"
……..	°	'	"	°	'	"
……..	°	'	"	°	'	"

Site Address:

Building Name or Number	1 Wadestone Industrial Park		
Street	Lamp Road (Cnr Chaperone Road)		
City/Closest Town	Wadeville, Germiston		
Province	Gauteng		
Local Municipality	Ekurhuleni Metropolitan Municipality		
District Municipality	Ekurhuleni Metropolitan Municipality		
Postal address	Growthpoint Properties Ltd		
	PO Box 78949		
	Sandton		
Postal code:	2146	Cell:	
Telephone:	011 944 6000	Fax:	011 944 6005
E-mail:	info@growthppoint.co.za		

SECTION 3: CONTACT INFORMATION

A) Person to contact about application (EAP) First name & Surname	Dr Mathys Vosloo		
Company name (if any): Company Registration/Identity number for individuals	Zitholele Consulting (Pty) Ltd		
	2000/000392/07		
Physical address:	Building 1, Maxwell Office Park, Magwa Crescent West,		
	Waterfall City, Midrand		
Postal address:	PO Box 6002		
	Halfway House		
Postal code:	1685	Cell:	084 748 3018
Telephone:	011 207 2079	Fax:	086 674 6121
Email Address	mathysv@zitholele.co.za		

Please include information of an EAP or specialist appointed to externally review the work of an EAP or specialist as contemplated in sub-regulation (2) of the NEM: EIA Regulations, 2014. The EAP to be appointed must comply with sub-regulation (1) of the NEM: EIA Regulations, 2014.

B) Person to contact (external EAP or specialist) First name & Surname	The EAP in section 3 A above has been appointed by the applicant, Naturecell, and is an independent EAP as required in terms of the NEMA EIA Regulations of 2014, as amended. External review by another independent EAP is therefore not required.		
Company name (if any): Company Registration/Identity number for individuals			
Physical address:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
Email Address			

C) First name & Surname of Applicant –(Person wishing to hold license) Company name (if any):	Mr Themba Mtombeni		
	Naturecell Africa RF (Pty) Ltd		
Contact person	Mr Andrew Scott		
Trading name (if applicable)	Naturecell		
Company Registration/Identity number for individuals Physical address	2012/047104/07		
	1 Wadestone Industrial Park, Lamp Road (Cnr Chaperone Road)		
	Wadeville, 1428		
Postal address	PO Box 14903		
	Wadeville		
Postal code:	1422	Cell:	073 199 0790
Telephone:	010 141 0246	Fax:	086 476 6213

E-mail:	andrew@naturecell.co.za

D) First name & Surname of Landowner where activity takes place	Mr Errol Taylor		
Company name (if any):	Growthpoint Properties Ltd		
Trading name (if applicable)	Growthpoint Properties		
Contact person	Mr Errol Taylor		
Company Registration/Identity number for individual(s)	1987/004988/06		
Physical address	1 Sandton Drive		
	Sandton		
Postal address	PO Box 78949, Sandton		
	2146	Cell:	
Telephone:	011 944 6000	Fax:	011 944 6005
E-mail:	info@growthpoint.co.za		

Please duplicate the above section in instances where there is more than one landowner. **Consent use form in Addendum 1 must be filled if the applicant is not landowner or person in control of the land where the development will / is taking place. Further, the above section must be duplicated in instances where there is more than one landowner.**

E) Local Authority in whose jurisdiction the proposed activity will fall	Gauteng Department of Agriculture and Rural Development (GDARD)		
Contact person	Mr Tendani Rambuda		
Postal address	PO Box 8769, Johannesburg, 2001		
		Cell:	
Telephone:	011 240 3386	Fax:	011 240 2619 / 086 420 2187
E-mail:	Tendani.Rambuda@gauteng.gov.za		

In instances where there is no than one Local Authority involved, please attach a list of Local Authorities with their contact details to this application

List of Local Authorities attached **N/A**

Property description The study area is located on Part of Portion 273 of the farm Klippoortje No 110-IR and Part of Erf 876 Wadeville X 50, which falls within the jurisdiction of Ekurhuleni Metropolitan Municipality (EMM).

(farm name, portion etc) where a large number of properties (including alternatives) are involved (e.g. linear activities), please attach a list of a property descriptions to this application

List of properties attached **N/A**

Town(s) or district(s)

Wadeville, Germiston within the Ekurhuleni Metropolitan Municipality (EMM)

Street/ physical address

1 Wadestone Industrial Park, Lamp Road (Cnr. Chaperone Road), Wadeville, Germiston

In instances where there is more than one town or district (including alternatives) involved, please attach a list of towns or districts to this application

Current zoning

Industrial 1

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

List of current land use zonings is attached	**N/A**

Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R 100 million
What is the expected yearly income that will be generated by or as a result of the activity?	R 75 million
Will the activity contribute to service infrastructure?	NO
Will the activity contribute to a public amenity	NO
Total number of new employment opportunities to be created in the development phase of this activity.	60 – 80
Of these opportunities how many are:	
Women	10
People with disabilities	
Female	Nil
Male	Nil
Youth	
Female	5
Male	25
What is the expected value of the employment opportunities during the development phase?	R 3.4 million
What percentage of this will accrue to previously disadvantaged individuals?	70%
Total number of new employment opportunities to be created in the operational phase of this activity.	27
Of these opportunities how many are:	
Women	14
People with disabilities	
Female	0
Male	2
Youth	
Female	6
Male	7
What is the expected current value of the employment opportunities during the first 10 years?	R 100 Million
What percentage of this will accrue to previously disadvantaged individuals?	80%

Need and desirability of the activity

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

The rate of urbanization to metropolitan areas has created major pressures to provide job opportunities for the new arrivals, especially in the lower income employment group. In order to achieve this economic growth is paramount. One of the avenues to contribute to economic growth and job creation is the establishment of industrial areas, parks or zones. This is especially evident in the South African government's efforts to establish Special Economic Zones (SEZs), which are large scale Industrial Development Zones (IDZs) geared up to stimulate economic growth and job opportunities in South Africa, underpinned by the Special Economic Zones Act, No 16 of 2014. The Wadestone Industrial Park development therefore contribute, albeit at a smaller scale, to this overall economic development objective by providing the space and amenities for commercial and industrial business to establish itself within the complex.

The proposed cellulose recovery plant is one of the developments that will establish within the Wadestone Industrial Park. The plant's objective is to recover cellulosic fibres, which are blended and treated to ultimately form a bonded mat product, which is then cut into batts and packaged as a final product for use in thermal and acoustical insulation applications.

Furthermore, In November 2011 the National Building Regulations were amended whereby it is now a legislative requirement that all new buildings meet minimum energy efficiency standards. Part of these requirements, as expounded by south African National Standards SANS 10400 – XA: The Application of the National Building Regulations – Part XA – Energy Usage; requires that all new buildings be thermally insulated.

The development is therefore responding to an increased demand for these end products through the supply of a competitive and affordable quality product, made possible through the recycling of pre-and post-consumer newsprint. Furthermore, this recycled cellulosic product has a very low embodied

energy compared to competitive insulation products on the market and thus is a preferred solution from a cradle to grave energy perspective.

Indicate any benefits that the activity will have for society in general:

Due to the nature of its operations, i.e. recovery of cellulosic fibres from pre- and post-consumer newsprint, the development furthermore contributes to reducing the volumes of waste to landfill, as is promoted in the National Waste Management Strategy (NWMS) of November 2011, through the recycling of pre- and post-consumer newsprint.

In its application the product serves to reduce energy consumption and improve comfort levels in buildings. Thus, the product contributes to a greener, healthier environment with lower energy utilisation in buildings. The product also serves as an acoustic insulation providing benefits in terms of reducing noise pollution and hearing discomfort in both industrial and entertainment facilities.

Lastly, considering the volumes of newsprint envisaged to be recycled, the proposed cellulose recovery plant should make a notable contribution to the sustainability of the country's renewable resources (forests and trees) by recycling and recovering cellulosic fibres from pre- and post-consumer newsprint. The source of cellulosic fibres would otherwise have been obtained from the forestry industry, thus putting higher demand on these natural resources.

Indicate any benefits that the activity will have for the local communities where the activity will be located:

The proposed cellulose recovery plant will be located within the greater Wadestone Industrial Park. The Wadestone Industrial Park is furthermore located within 3 km of several communities located around the industrial complex.

The proposed cellulose recovery plant is close enough to a number of communities to provide employment opportunities to local and disadvantaged community members during the construction and operational phases of the development. Furthermore, the proposed development is located close enough to residential areas and local communities to reduce commuting distances and associated high travelling costs for previously disadvantaged individuals.

Furthermore, the product requires minimum skill levels for installation purposes and through the provision of on the job training it is envisaged that third party job opportunities will be created in local communities where housing developments are taking place considering all such developments now must include ceiling insulation.

The proposed cellulose recovery plant also contributes to the establishment and/or sustainability of downstream industries, for example, by purchasing the pre- and post-consumer newsprint from a 3rd party service provider and required support and maintenance services need to ensure infrastructure, plant and machinery are kept in working order.

Operational times

PERIOD	FROM	UNTIL
Weekdays	00h00	24h00
Saturdays	00h00	24h00
Sunday	00h00	24h00
Public holidays	00h00	24h00

SECTION 4: PROCESS/ACTIVITY DESCRIPTION:

Project Title | **Proposed development of a cellulose recovery plant and related infrastructure for the recovery of pre- and post-consumer newsprint in Wadeville, Gauteng Province**

Please provide a brief description of the activities and operations at the site. Provide a flow chart of the operation showing all inputs and outputs of the process. Give particulars of the source, location, nature, composition and quantity of emission to the atmosphere, surface water, sewer, and groundwater including noise emissions. Solid waste must be in tons and specify units for liquids and gases.

Process and operations description

The proposed manufacturing plant will recover cellulosic fibres from pre- and post-consumer newsprint through a process that will utilise Carding Airlaid Fusion Technology (CAFT) to produce fibre mats that are used as an insulating material. The value chain is described hereunder in relation to the numbered diagram below.

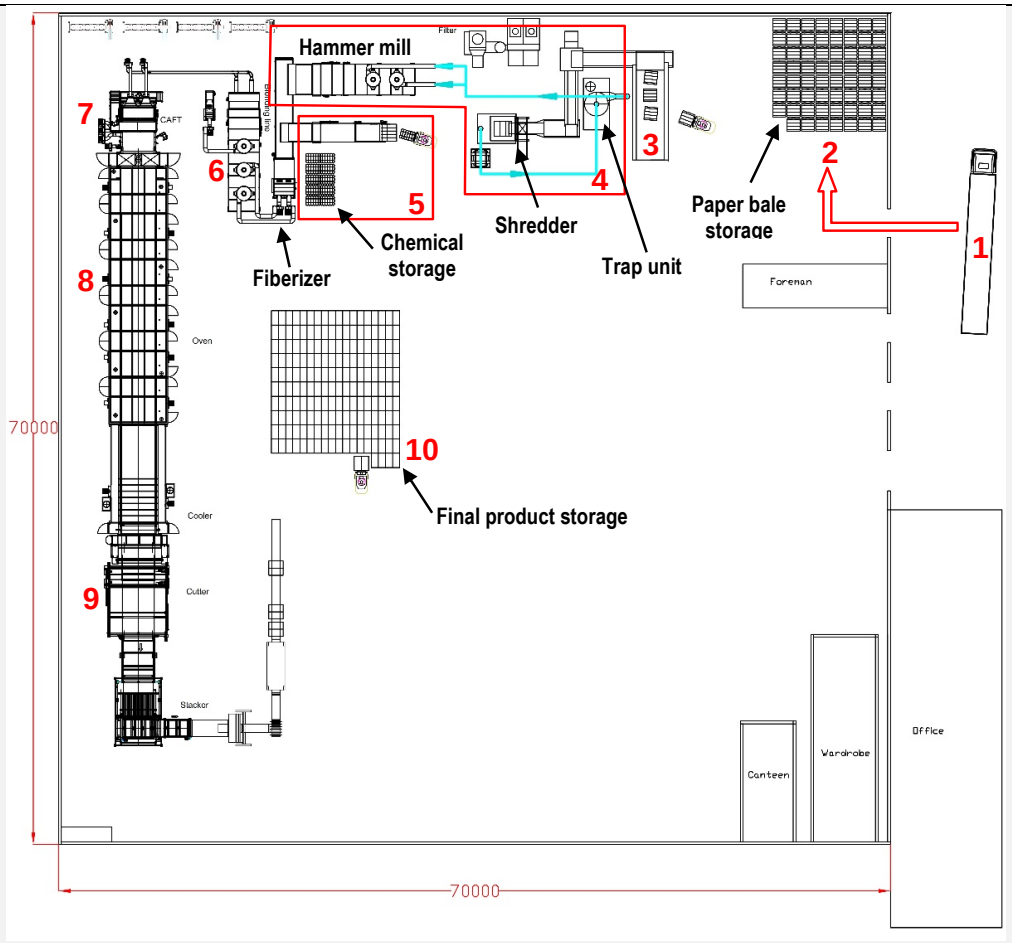

Figure 1: Facility layout

1. Delivery of input material

Pre- and post-consumer newsprint will be delivered in bales to the recovery/manufacturing plant by a 3rd party services provider, Wykco Recycling. 32 bales of double sorted newsprint of approx. 1000kg's each will be delivered on a tautliner (curtainsider) truck (Figure 2) daily.

Figure 2. Example of a Tautliner truck and trailer

2. Offloading and storage

The pre- and post-consumer newsprint bales will be offloaded by forklift and stored in the north-eastern corner of the warehouse, identified by numeral 2. This designated area will store a maximum of 128 bales of pre-and post-consumer newsprint, which will be arranged in 8 rows with 8 bales per row and can be double stacked with a second layer of bales on top of the 64 placed bales.

3. Unbaling and In-feed

From the storage area (2) bales are brought to the load table area by forklift where the bales area untied manually and taken apart. The sorted paper is loaded onto the load table by an operator with a mini loader machine. The loaded paper moves with the conveyer passing a metal detector unit which scans for any metal that may have been missed in the suppliers sorting process.

4. Shredding and fiberizer line

From the paper loading conveyer (3) the paper drops into the shredder and is shredded down to hand size pieces. The paper is vacuumed from the shredder to a trap unit, where unwanted objects and other impurities are removed. Passing the trap unit, the fan feeds the paper into a whirlwind hammer mill where the paper is reduced to postage stamp size. The fire-retardant chemicals are introduced at this point and impregnated into the fibres. From here the paper pieces are vacuumed from the hammermill into the fiberizer where the paper pieces are ground down to fibres of varying lengths.

5. Dry Chemical blending line

A ribbon blender is used to blend Ammonium sulphate ((NH4)2SO4, CAS No: 7783-20-2) and Boric acid (BH3O3, CAS No: 10043-35-3) in a fixed ratio. These chemicals are used as fire retardants in the manufacturing process and are stored near the blending line (5). Ammonium sulphate and Boric acid are not listed as hazardous substances in SANS 10234 supplement: SANS 10234A:2008 List of classification and labelling of chemicals in accordance with the Globally Harmonized System (GHS). Approximately 2.8 tons per day (TPD) of Ammonium sulphate and 0.9 TPD of Boric acid will be consumed by the process.

6. Fibre storage and Blend line

Cellulose fibres extracted from the fiberizer are vacuumed into a storage bin prior to entering the blending line. Bicomponent PP/PET (bico) fibres are discharged from bulk bags into a hopper from which they are loaded onto a conveyer and added in a fixed ratio to the cellulose fibre drawn from the storage bin in a controlled process. The blend line mixes the cellulose and bico fibres to form a homogenous mix which is then delivered to the CAFT system via a fan where the mat-forming process starts.

7. CAFT process

The CAFT forms the web of product that the mat (product) consists of. The Human Machine Interface (HMI) is the central control unit for the process. This controls all settings and motor speeds on the CAFT system, and feed control from the blend line. From the CAFT a continuous mat product exits onto the oven conveyer.

8. Oven line

The mat product enters the oven, via the oven conveyer, where the thermo-bonding process takes place. The oven is equipped with temperature and airflow control for each section of the oven. When the mat product exits the oven, it passes directly to the cooling section, which dissipates the residual thermal energy left in the mat product with fans pulling ambient air through the product. This process stabilises the formed mat product.

9. Cutting

The mat passes on to the cutting section where it is cut by longitudinal and transversal slitters into batts at the specified length and width. The height of the mat is determined by the forming setup and height set for the oven.

10. Packaging

From the cutter, the batts pass on the roller table into the stacker where they a stacked for wrapping. The formed stack passes on the rolling table into the wrapping machine, which wraps the stack in polyethylene foil and welds the foil together around the stack. The package then exits the wrapper and is passed to a holding table, where an operator manually loads the package onto a mobile stillage. When the stillage is filled, the stillage is removed by a forklift and stacked in the designated product storage area (10).

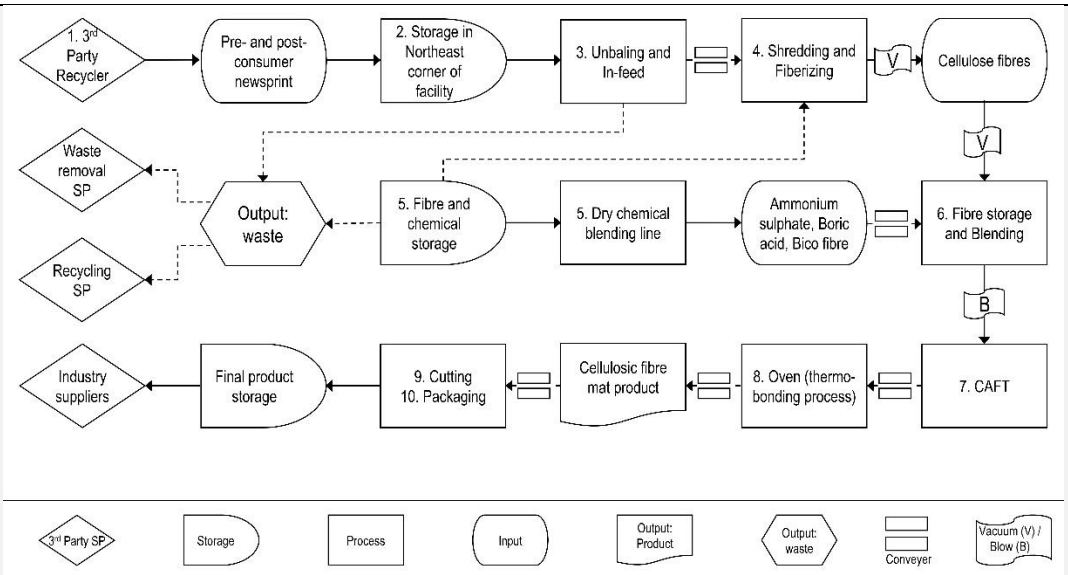

Figure 3: Manufacturing Process Flow

Waste generation

No floor drains exist within the warehouse area as all cleaning will be done by vacuum and/or sweeping. As a rule, the applicant will not use water for process cleaning as it will cause damage to both raw materials and finished goods, thus the manufacturing process will not produce waste ("dirty") water.

The only process waste generated will be the packaging materials used in the supply of the raw materials, specifically bulk bags used in the supply of Ammonium sulphate and bico fibre. Boric acid will be supplied in 25kg paper bags, which is intended to be included in the raw materials feedstock and therefore consumed in the manufacturing process. A small amount of galvanised wire that is used to bind the paper bales will be collected and stored temporarily prior to recycling.

All disposable waste will be collected in skips, which will be located within a designated refuse yard located next to the access road leading to the facility within the development footprint. The refuse yard is enclosed with access control. The skips will be collected by a third-party service provider for disposal to an appropriately licenced landfill.

The applicant has attempted to find a local recycling operation to recycle polyprop bulk bags but have been unable to locate such an operation raising doubt whether such an operation exists in SA currently. The applicant's operation is therefore aligned with the waste management hierarchy. The manufacturing process is already optimised to reduce the generation of waste during the process, especially with the optimisation of the process to negate the use of water in the process (avoidance of wastewater generation). Other waste such as paper bags are re-used and recycled, with the remainder of non-reusable and non-recyclable waste being disposed.

All out of specification product will be recovered and recycled within the process thus no direct process waste will be generated.

Potential emissions

The manufacturing process described above includes operation of an oven, which will be operated through combustion of natural gas. An air quality specialist was appointed to assess whether significant emissions would be generated in terms of the National Environmental Management: Air Quality Act, No. 39 of 2004, as amended, and the "List of Activities which result in atmospheric emissions" (GN 893).

Based on the manufacturing process details and plant specifications provided, the specialist concluded that the heat input per unit is significantly below (<0.25 MW) the threshold trigger of 50 MW (GN 893, Category 1, Sub-category 1.4). Furthermore, the processing of the recycled
fibre is limited to a maximum of 130°C and no thermal decomposition/reaction of the cellulose fibre occurs. Thus, this description does not meet the definition of "thermal treatment" (GN 893, Category 8, Sub-category 8.1). Lastly, no chlorine dioxide is used or produced in the process (GN 893, Category 9, Sub-category 9.4), therefore no significant emissions will be generated by the fibre recovery and manufacturing process. The air quality specialist memorandum is included as Appendix C1 to this application form.

Potential noise generation

The manufacturing process described above include operation of a shredder, hammermill, conveyor and fans during the manufacturing process. An noise specialist was appointed to assess whether significant noise would be generated in terms of the Gauteng Noise Control Regulations (The Gauteng Provincial Government, 1999) and SANS 10103:2008 'The measurement and rating of environmental noise with respect to annoyance and to speech communication' (SABS, 2008).

Based on the provided information relating to the manufacturing process, site location and conservative high-level screening calculation, the noise specialist concluded that the potential noise levels at both the potential sensitive receptors and nearby industrial receptors are anticipated to be below the relevant noise limits in terms of the NCRs and SANS limits. Furthermore, in the context of the existing industrial area, the baseline noise levels are anticipated to be relatively high from the existing industry and is likely to mask the contribution of the proposed facility. The specialist concluded that the facility may not require a detailed noise modelling study. The noise specialist memorandum is included as Appendix C2 to this application form.

Bulk services
Bulk water supply will be obtained from the Ekurhuleni Metropolitan Municipality (EMM) via existing bulk water supply infrastructure. A layout drawing showing bulk water supply is included in Appendix C3 to this application.

It is anticipated that 1.2 MVA power will be required and has already been catered for in the greater Wadestone Industrial Park Development.

Bulk stormwater infrastructure has furthermore been constructed as part of the greater Wadestone Industrial Park Development, therefore stormwater originating within the fibre recovery plant footprint will be channelled to existing stormwater drains to the bulk stormwater infrastructure installed. Layout drawings showing bulk stormwater infrastructure servicing the greater Wadestone Industrial Park Development are included in Appendix C4 to this application form.

Ablution facilities within the plant will tie into existing sewerage infrastructure servicing the greater Wadestone Industrial Park Development.

Additional information can be provided as Appendix

SECTION 5: WASTE QUANTITIES

Indicate or specify types of waste and list the estimated quantities expected to be managed daily (should you need more columns; you are advised to add more)

Hazardous waste	Non-hazardous / general waste	Total waste handled (tonnes per day)
No hazardous waste will be generated	Pre- and Post-Consumer Newsprint received, stored and utilised as input material into the recovery process – 38.3 tonnes per day (TPD)	38.3 TPD
No hazardous waste will be generated	General waste generated by the recovery process to be stored temporarily and removed by service provider – 0.3 TPD	0.3 TPD

Source of information supplied in the table above Mark with an "X"

Determined from volumes	
Determined with weighbridge/scale	
Estimated	**X**

Recovery, Reuse, Recycling, treatment and disposal quantities:
Indicate the applicable waste types and quantities expected to be disposed of and salvaged annually:

TYPES OF WASTE	MAIN SOURCE (NAME OF COMPANY)	QUANTITIES		ON-SITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE RECOVERY REUSE RECYCLING TREATMENT OR DISPOSAL	OFFSITE DISPOSAL
		TONS/ MONTH	TONS/ MONTH	method & location	method location and contractor details	
Pre- and Post-consumer newsprint	Wykco Recycling	1149		Recovery of cellulosic fibres through Advance Nonwoven CAFT technology. Recovery process within warehouse infrastructure at identified site.	No off-site recovery will take place	No offsite disposal will take place
General waste from recovery process	Naturecell	10.1		No on-site recovery, reuse, recycling, treatment or disposal. Temporary on-site storage of waste.	No off-site recovery, reuse, recycling or treatment of waste.	Waste collected by 3rd party service provider for offsite disposal at a licenced landfill site.

SECTION 6: GUIDELINES

6.1 Gauteng Pollution Buffer Zones Guideline, March 2017

Where applicable, the developer must incorporate the Pollution Buffers in the planning and design of the development to protect people and the environment from harmful/toxic emissions. The decision on the buffer size to be maintained is subject to a Departmental review process. The buffers are as follows:

BUFFER GUIDELINES	**TICK WHERE APPLICABLE**
Best case buffer of 1500m and worst-case buffer of 750m must be maintained in Category 1 industries, such as Sasol, Arcelor Mittal, Scaw Metal, Eskom power stations etc. as per paragraph 6.2.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
Best case buffer of 500m and worst-case buffer of 250m must be maintained in Category 2 industries, such as container depot in City Deep, panel beater workshops, tanneries etc. as per paragraphs 6.2.2 and 7.1 of the Gauteng Pollution Buffer Zones Guidelines, March 2017.	N/A
Best case buffer of 100m and worst-case buffer of 50m must be maintained in Category 3 industries, such as warehousing and distribution operations as per paragraphs 6.2.3 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	**Yes**
Best case buffer of 800m and worst-case buffer of 500m must be maintained for Sewage treatment works as per paragraphs 6.2.4 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
Best case buffer of 400m and worst-case buffer of 200m must be maintained for General Landfill Sites (Communal, small, medium and large) as per paragraphs 6.2.5 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A

Best case buffer of 2000m and worst-case buffer of 1000m must be maintained for Hazardous Landfill Sites as per paragraphs 6.2.5 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
Best case buffer of 100m and worst-case buffer of 0m must be maintained for Mine Dumps (rock dumps or stockpiles) as per paragraphs 6.2.6 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
Best case buffer of 1000m and worst-case buffer of 500m must be maintained for Mine Slimes Dams and Ash Dumps as per paragraphs 6.2.7 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
Best case buffer of 5000m and worst-case buffer of 2000m must be maintained for the Pelindaba Nuclear Facility Complex as per paragraphs 6.2.8 and 7.1 of the Gauteng Pollution Buffer Zones Guideline, March 2017.	N/A
The Gauteng Pollution Buffer Zones Guideline is not applicable to my development	

6.2 SUSTAINABLE DEVELOPMENT

The applicant must incorporate the Sustainable Development Principles in their development planning activities as outlined in **Section 6 of the Gauteng Sustainable Development Guideline**. Provide details of how efficiencies will be achieved on the items listed below:

WATER
How will the proposed development achieve **water efficiency** such as reuse of grey water, rainwater harvesting and use of water efficient equipment/technologies throughout its phases?

If not, state the reasons why your development will not explore and achieve water efficiencies.

The original process design required the fire-retardant chemicals to be dissolved in water and spray applied to the fibre which would then be subject to a drying process. In reviewing the design, it was decided to remove this dissolution process and apply the chemicals on a dry basis using what is known as a whirl windmill to directly impregnate the fibres. Thus, the manufacturing process does not consume any water.

ENERGY
What approaches will be adopted to achieve **energy efficiency** in the proposed development to reduce long-term operational costs and Greenhouse Gases emissions?

If not, state the reasons why your development will not explore and achieve energy efficiencies.

As per the above change in technology for eliminating water consumption, the use of dry chemical processing eliminated the need for the additional step of drying the fibres which would be necessary if the wet process was used. This effectively reduces gas consumption in the process by half. Furthermore, high efficiency motors are being used throughout the plant.

WASTE
What approaches will be adopted to minimise quantities of waste generated and disposed of such as waste separation at source to enable reuse, reduction, recovery and recycling.

If not, state the reasons why your development will not explore and achieve waste reduction and separation at source.

The applicant's waste minimisation and recycling policy include recycling of all possible recyclable waste generated in the manufacturing process. For example, the applicant has requested raw materials to be supplied in paper bags which can then be consumed within the process as part of the raw material feedstock. Furthermore, waste polypropylene packaging materials will be stored in waste bins in a designated area for removal by 3rd party who will reroute for recycling where possible.

DESIGN/LAYOUT OF DEVELOPMENT
How will the design or layout of the development facilitate resource efficiency (i.e. orientation or location of development) through all phases?

If not, state the reasons why your development will not explore various layouts/designs to achieve resource efficiencies.

The design of the building has been tailored to accommodate the manufacturing line to optimise the use of space. The building is oriented approximately N-S with translucent roof panels along the length of the eastern roof hinge to take advantage of natural light in the building.

MATERIALS

In which phase of the development will the use of virgin materials be substituted with recycled / reused materials to reduce costs and emission of GHG while promoting environmentally friendly developments?

If not, state the reasons why your development will not explore and achieve materials efficiencies.

The applicant does not own the development as it is a Growthpoint Properties development and hence can't make decisions regarding materials used within the development. The applicant is only leasing from the warehouse space from Growthpoint Properties.

DRAINAGE

To facilitate rainwater infiltration and mitigate flooding, what form of Sustainable Drainage System Principles / Technologies will be undertaken in your development?

If not, state the reasons why your development will not explore innovative / technological approaches in the design of drainage system.

The applicant is only leasing the premises from the developer, Growthpoint Properties, and thus has no influence over the drainage systems principles / technologies applied. Growthpoint Properties applied for the NEMA listed activities and obtained Environmental Authorisation (EA) for the development of the greater industrial park development within which the proposed development will occur. It is therefore assumed that Sustainable Drainage System Principles / Technologies were considered during that application.

SECTION 6: GENERAL

Prevailing wind direction (e.g. NWW)

November – April	NNW
May – October	NW

The size of population to be served by the facility

	Mark with "X"	Comment
0-499	**X**	The development is not a landfill site, but a cellulose recovery plant. The population to benefit directly from the development falls within this first category (0-499).
500-9,999		
10,000-199,999		
200,000 upwards		

Indicate the geological formations underlying the site:

Granite		Quartzite	**X**
Shale		Dolomite	
Sandstone		Dolerite	

Other_____ Ferricrete and Residual Basaltic Lava

_____

_____

SECTION 7: COMPETENCE TO OPERATE SITE

It is imperative that the holder of the waste license is a fit person in terms of section 59 of the NEMWA (59 of 2008). To assess the holder's competence to operate the site, please disclose the following:

Legal compliance

	YES/NO	DETAILS
Has the applicant ever been found guilty or issued with a non-compliance notice in terms of any National Environmental Management Legislation?	**NO**	

Has the applicant's license in terms of the Waste Act ever been revoked?	**NO**	
Has the applicant ever been issued with a non-compliance notices or letters in terms of any South African Law?	**NO**	

NB: Details required above include any information that the applicant wants the Department to take into consideration in determining whether they are a "fit person" and this includes reasons why the offence happened and measures in place to prevent recurrence

Technical competence

What technical skills are required to operate the site?	Skills include an understanding of continuous process plant and relevant unit process operations and monitoring and compliance with process and SHEQ standards.
How will the applicant ensure and maintain technical competency in the operation of the site?	Ongoing training of operating personnel in unit processes and controls with adequate suitably trained supervision. Annual review and training with respect to SHEQ requirements.

Details of applicant's experience and qualification along with that of relevant employees must be summarised as shown in the table below:

NAME	POSITION	DUTIES AND RESPONSIBILITIES	QUALIFICATIONS AND EXPERIENCE
Themba Mtombeni	CEO	Strategic, operational and financial responsibility of company	ITIL & ITSM Expert plus Manager's certifications, 19 years corporate management experience
Andrew Scott	COO	Operational responsibility	BSC. Chem Eng., MBA, 25 years executive experience in manufacturing operations

Financial Provisions
Provide a plan of estimated expenditure for the following:

	ATTACHED/NOT ATTACHED	SECTION OF THE REPORT WHERE IT IS ATTACHED
Environmental Monitoring	Not attached, Applicant will conform to monitoring requirements as stipulated in the WML for the facility	
Provision and replacement of infrastructure	Not attached, Infrastructure will be maintained and replaced, if required, by the industrial park operator, Growthpoint Properties. The applicant only leases the warehouse space within the industrial complex.	
Restoration and aftercare	Not attached, Restoration and aftercare will be managed by the industrial park owner, Growthpoint Properties. The applicant only leases the warehouse space within the industrial complex.	

~~SECTION 8: LANDFILL PARAMETERS –~~ SECTION NOT APPLICABLE

The method of disposal of waste:
Land-building ☐ Landfilling ☐ Both ☐

The dimensions of the disposal site in metres

	At commencement	After rehabilitation
Height/Depth		
Length		
Breadth		

The total volume available for the disposal of waste on the site:

Volume Available	Mark with "X"	Source of information (Determined by surveyor/ Estimated)
Up to 99		
100-34 999		
35 000- 3,5 million		
>3,5 million		

Indicate the total volume already used for waste disposal:

(a) Will the waste body be covered daily	YES	NO
(b) Is sufficient cover material available	YES	NO
(c) What waste cover material will be used and where will it be sourced		
(d) Will waste be compacted daily	YES	NO

If the answers (a) and/or (b) are No, what measures will be employed to prevent the problems of burning or smouldering of waste and the generation of nuisance?

The salvage method to be employed (Mark with an "X")

At source	
Recycling installation	
Formal salvaging	
Contractor	
No salvaging planned	

Fatal Flaws for the site:
Indicate which of the following apply to the facility for a waste management activity:

Within a 3000 m radius of the end of an airport landing strip	YES	NO
Within the 1 in 50-year flood line of any watercourse	YES	NO
Within an unstable area (fault zone, seismic zone, dolomitic area, sinkholes)	YES	NO
Within the drainage area or within 5 km of water source	YES	NO
Within an area with shallow and/or visible water table	YES	NO
Within an area adjacent to or above an aquifer	YES	NO
Within an area with shallow bedrock and limited available cover material	YES	NO
Within 100 m of the source of surface water	YES	NO
Within 1 km from the wetland	YES	NO
Indicate the distance to the boundary of the nearest residential area	_____metres	
Indicate the distance to the boundary of the industrial area	_____metres	

Wettest six months of the year
November- April
May -October

For the wettest six-month period indicated above, indicate the following for the preceding 30 years

	Total rainfall for 6 months	Total A-pan evaporation for 6 months	Climatic water balance
For the 1st wettest year			
For the 2nd wettest year			
For the 3rd wettest year			
For the 4th wettest year			
For the 5th wettest year			
For the 6th wettest year			
For the 7th wettest year			
For the 8th wettest year			
For the 9th wettest year			
For the 10th wettest year			

Location and depth of ground water monitoring boreholes:

Codes of boreholes	Borehole locality	Depth (m)	Latitude			Longitude		
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"
……	……		°	'	"	°	'	"

Location and depth of landfill gas monitoring test pit:

Codes of boreholes	Borehole locality	Latitude			Longitude		
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"
……	……	°	'	"	°	'	"

APPENDIX: A1

Information needed when applying for scheduled activities listed under Category A, but is not limited thereto:

Basic Assessment Report which must include supplementing documentation such as:
Description of the environment that may be affected by the proposed activity and the manner in which the geographical, physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity
Description of significant environmental impacts, including cumulative impacts, that may occur as a result of the undertaking of the activity
Conducting public participation as outlined in the EIA Regulations
Waste disposal facility designs
Closure plan (report)
Operational plan
All applicable legislation, policies and/or guidelines
End-use plan (only apply to site landfill closure)
Closure/Remedial designs (only apply to the landfill closure)
Latest external audit report (only apply for permit amendment)
Application and report documents (four hard copies for all applications)
A3 size layout plans (four hard copies for all applications)
Landfill conceptual designs (only apply for construction and decommissioning of landfill sites)
Geo-hydrological report (only apply to landfill sites, storage facilities and treatment of waste)
Consideration of alternatives
Description of mitigation measures and risk assessment
Any inputs made by specialists to the extent that may be necessary
Any specific information as may be required by the competent authority

Information needed when applying for scheduled activities listed under Category B, but is not limited thereto:

Scoping and Environmental Impact Assessment Report which should include:
Description of the environment that may be affected by the proposed activity and the manner in which the geographical, physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity
Description of significant environmental impacts, including cumulative impacts, that may occur as a result of the undertaking of the activity
Conducting public participation as outlined in the EIA Regulations
Closure plan (report)
Operational plan
Waste disposal facility designs
End-use plan (only apply to site closure)
Closure/Remedial designs (only apply to site closure)
Latest external audit report (only apply to permit amendment)
Application and report documents (four hard copies for all applications)
A3 size layout plans (four hard copies for all applications)
Landfill conceptual designs
Geo-hydrological report (only apply to landfill sites, storage and treatment of waste)
Consideration of alternatives
Description of mitigation measures and risk assessment
Any inputs made by specialists to the extent that may be necessary
Any specific information as may be required by the competent authority

Plan of study for environmental impact assessment which must among others include:
Description of the tasks to be undertaken as part of the environmental impact assessment process, including specialist report or specialized processes, and a manner in which such tasks will be undertaken
An indication of stages of stages at which the competent authority will be consulted
Description of methods for assessing issues and alternatives, including the no-go alternative
Particulars of participation process that will be conducted during the EIA process

NB: Compilation of EIA report must be based on tasks outlined in the Plan of Study for EIA, and the below listed reports must also be attached.

Draft environmental management plan (only apply to EIA Reports. No draft EMP should be included in the Scoping Report)
Copies of any specialist reports and specialized processes (only apply to EIA Reports. No copies of specialist studies and specialized processes should be included in the Scoping Report)

APPENDIX B1

The following MUST be included in the application as supporting documentation and the applicant must indicate specific section(s) where they are appended in the reports.

REQUIRED PIECE OF INFORMATION	SECTION IN THE REPORTS WHERE IT CAN BE FOUND	COMMENTS (If any)
1. Extremely clear Google Earth colour picture of the site (dated not more than a month from the date of the application)	Executive Summary, Section 1.1, Page 1 – Image dated 05/05/2019	The image dated 05/05/2019 is the most recent aerial image available in Google Earth.
2. 1:50 000 topography / topo-cadastral map of the area showing	Appendix A of BAR, specifically Appendix A-3, A-4 and A-10	
2.1 the site and 5 km radius	Appendix A of BAR, specifically Appendix A-1, A-4 and A-10	
2.2 Existing residential and industrial areas	Appendix A of BAR, specifically Appendix A-1	
2.3 Possible future development (indicate the type of development)	Appendix A of BAR, specifically Appendix A-1	
2.4 Other waste handling sites (existing or closed) in the area	Not included. Other waste companies within the surrounding area are included in Appendix A-1	This application is not for a landfill site.
2.5 Existing and possible future residential areas.	Not included	
2.7 Sites which are listed as national monuments or archaeological, paleontological and cultural historical sites or objects worthy of conservation;	Appendix A of BAR, specifically Appendix A-1	No future residential developments could be identified within the immediate surrounding area.
3. Security and access aspects of the site	Executive Summary, Section 3.5, Page 19; BAR Section 3 Point 5 Site access, Page 37	This application is not for a landfill site.
4. The site plan drawn to scale showing the site's boundary showing:	Appendix A of BAR, specifically Appendix A-2	
4.1 Activities or development existing on all 4 directions of the site.	Appendix A of BAR, specifically Appendix A-1	
4.2 Waste receipt, storage and handling areas	Executive Summary, Section 2.1 and 2.2, Page 8-12; BAR Section 3 Alternatives; as well as Appendix C-1 and C-3	
4.3 Impermeable surfaces	Appendix C-1 and C-3	
4.4 Sealed drainage systems	Appendix F-3, F-4, F-5 and F-6	This application is not for a landfill site.
4.5 Drainage system for the site including sumps and discharge points	Appendix F-3, F-4, F-5 and F-6	This application is not for a landfill site.
4.6 Road names and access from all major roads in the area	Appendix A of BAR, specifically Appendix A-1	
4.7 Landowner's consent (letter with signature)	Addendum 1 of this WML Application Form	
5. Waste hierarchy implementation plan	Not applicable. Best practice waste management principles will be employed at the plant during construction and operation.	This application is not for a landfill site.

~~**APPENDIX B2**~~

~~The following MUST be included in the application documentation for landfill sites and the applicant must indicate specific section(s) where they are appended in the reports.~~

~~REQUIRED PIECE OF INFORMATION~~	~~SECTION IN THE REPORTS WHERE IT CAN BE FOUND~~	~~COMMENTS (If any)~~
~~Design for site roads~~		
~~The 1 in 50-year flood-line of all watercourses~~		
~~Laboratory facilities~~		
~~Design and location of fuel storage areas~~		
~~Design and location waste quarantine areas~~		
~~Design and location of waste Inspection areas~~		
~~Site's drainage system~~		
~~Site's emergency control system and plan~~		
~~Liner specifications~~		
~~Leak detection system and monitoring~~		
~~Leachate management plan~~		
~~Calculations of leachate generation~~		
~~Leachate collection and treatment~~		
~~Gas generation and management~~		
~~Air quality monitoring and management~~		
~~Co-disposal ratio calculation~~		
~~Stability monitoring and management~~		
~~Daily and intermediate cover requirements~~		
~~Temporary and permanent capping requirements~~		

THIS APPENDIX IS NOT APPLICABLE TO THIS APPLICATION,

SECTION 9: CONSENT USE AND DECLARATIONS

ADDENDUM 1

9.1 CONSENT USE

Consent in terms of Regulation 39 of the 2014 NEMA EIA Regulations by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question

When to use this form

Note: This form must be completed when an application for amendment in terms of the 2014 NEMA EIA Regulations is submitted where the proposed amendment will impact on the activity undertaken/to be undertaken on the land or if the amendment relates to the transfer of rights and obligations.

Notes for completing and submitting this form

(1) This form is current as of December 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been released by the Department.

(2) This form must be attached to the application form for amendment.

(3) Unless protected by law, all information contained in the form will become public information.

CONTACT INFORMATION

Name of landowner/ person in control of the land			
Trading name (if any):			
Contact person:			
Physical address:			
Postal address:			
Postal code:		**Cell:**	
Telephone:		**Fax:**	
E-mail:			

CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

_____
_____
_____
_____

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

_____
_____
_____

am/ are the registered owner/s of the property (insert description of the property/ies and title deed numbers)

_____
_____

located at *(insert physical address or a brief description of the location of the property)*

_____
_____
_____
_____

2. I/ we hereby give consent to the applicant /person to whom the rights are to be transferred *(insert the name/s of the applicant/person/s)*

_____
_____
_____

of identity number/registration number *(insert the owner/s ID number/s or the registration number of the legal entity)*

_____
_____
_____

to undertake the following activity(ies) on the property *(insert a brief description of the project and identified activity(ies) in question and amendment that will be applied for):*

_____
_____
_____
_____

_____

Signature of landowner/person in control of the land or authorised representative

_____

Name of authorised person if the landowner is a legal entity

_____

_____

Date

ADDENDUM 2

9.2 DECLARATIONS

9.2.1 DECLARATION OF THE APPLICANT

I _____, declare under oath that I

- am, or represent, the applicant in this application for "[insert project title]"
- have appointed / will appoint (delete that which is not applicable) an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner;
- will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
  - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the EAP is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
  - know the Act and the regulations, and how they apply to the proposed development
  - know any applicable guidelines
  - perform the work objectively, even if the findings do not favour the applicant
  - disclose all information which is important to the application and the proposed development
  - have expertise in conducting environmental impact assessments
  - complies with the Regulations
- will inform all registered I&APs of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

Signature of the applicant/ Signature on behalf of the applicant:

Name of company (if applicable):

Date:

Signature of the Commissioner of Oaths:

Date:

Designation:

Commissioner of Oaths Official stamp (below)

9.2.2 DECLARATION OF THE EAP

I _____, declare that –

- I act as the independent environmental practitioner in this application for "[insert project title]"
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

Signature of the Environmental Assessment Practitioner:

Name of company:

Date:

Signature of the Commissioner of Oaths:

Date:

Designation:

Commissioner of Oaths Official stamp (below)

In the event where the EAP or specialist is not independent (Regulation 13(2) and (3) of the EIA Regulations, 2014), the proponent or applicant must, prior to conducting public participation, appoint another EAP or specialist which meets all the general requirements including being independent, to externally review all work undertaken by the EAP or specialist, at the applicant's cost appointed to manage the application.