forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

RISK ASSESSMENT IN TERMS OF REGULATION 8 OF THE WASTE EXCLUSION REGULATIONS

	(For official use only)
File Reference Number:	12/9/11
NEAS Reference Number:	
Date Received:	

Risk Assessment for an application for exclusion of waste stream or portion of waste stream in terms of the National Environmental Management: Waste Act, 2008(Act No.59 of 2008), as amended.

Kindly note that:

1. This form is current as of 01 April 2021. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.

2. The information 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. Incomplete forms (including information as required in the application form may be returned to the applicant for revision and the inclusion of additional information.

4. 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.

BACKGROUND INFORMATION	
APPLICANT	Sappi Southern Africa Limited – Ngodwana Mill
CONTACT PERSON	Louise van Wyk
NAME	Louise van Wyk
ADDRESS	N4 Highway Ngodwana Mill
E-MAIL ADDRESS	Louise.vanwyk@sappi.com
TELEPHONE	013 734 6735
CELL PHONE	072 735 2221

WASTE GENERATING FACILITIY OR FACILITIES						
PHYSICAL ADDRESS OF FACILITY OR FACILITIES	N4 Highway Ngodwana Mill					
GPS CO-ORDINATES AT CORNERS OF WASTE GENERATING FACILITY OR FACILITIES	**LATITUDE**			**LONGITUDE**		
	25	24	18.34	30	39	37.66
	25	34	43.43	30	39	52.39
	24	34	59.85	30	38	56.85
	25	34	53.16	30	38	54.26
WASTE STREAM OR PORTION OF A WASTE STREAM TO BE EXCLUDED FROM THE DEFINITION OF WASTE	Dregs					
BENEFICIAL USE/S	Acid mine drainage Co-disposal agent					

WASTE GENERATING PROCESS		
DETAILED DESCRIPTION OF WASTE GENERATING PROCESS[1]	Kraft Mill alkaline residue. Small irregular shaped particles with grit like texture.	
PRODUCTION PROCESS FLOW CHART ATTACHED	YES	~~NO~~
WASTE CLASSIFICATION	HAZARDOUS	~~GENERAL~~
IF HAZARDOUS LIST THE HAZARDS OF THE WASTE	Maybe corrosive to metals and may cause skin burns and eye damage.	

[1] A process flow chart must be attached with this form for the process description

RISK ASSESSMENT WITHOUT MITIGATION

ACTIVITY	RISK DESCRIPTION	ENVIRONMENTAL RECEPTORS	ASSESSMENT OF RISK					SIGNIFICANCE
			Impact	Probability	Magnitude	Duration	Scale	
Storage	Accidental spillage to environment	Soil	Soil contamination	2	4	4	1	18
		Surface water	Surface water contamination	2	4	4	1	18
		Ground water	Percolation into groundwater	2	3	4	1	16
	Leaching from waste skip	Soil	Soil contamination	2	4	4	1	18
		Surface water	Surface water contamination	2	4	4	1	18
		Ground water	Percolation into groundwater	2	3	4	1	16
Transport	Accidental spillage into the environment	Soil	Soil contamination	3	4	2	2	24
		Surface water	Surface water contamination	2	4	4	1	18
		Ground water	Percolation into groundwater	3	4	2	2	16

The following factors and criteria must be used to assess the impacts of the activities:

CRITERIA	
Magnitude (Severity)	**Duration**
10 – Very high	5 – Permanent (longer than 10 years)
8 – High	4 – Long term (5 – 10 years)
6 – Moderate	3 – Medium term (12 months to 5 years)
4 - Low	2 – Short term (< 12 months)
2 - Minor	1 – Immediate
Scale	**Probability (Likelihood)**
5 – International	5 – Definite
4 – National	4 – Highly probable
3 – Regional	3 – Medium probability
2 – Local	2 – Low probability
1 – Site only	1 – Improbably
0 – None	0 - None

Magnitude
Measures the size of the impact

Duration
Duration refers to the lifetime of the impact i.e. how long it will last

Scale
The scale refers to the extent of the impact

Probability
The probability refers to the chance of the impact to occur. The potential impact could be most likely to occur, unlikely, etc.

Assessment of Significance of Impact

Significance rating of the potential impact illustrates the importance of the impact itself. The size of the area affected by pollution may be extremely high but the significance of this effect is dependent on the concentration or level of pollution in that area. In order to determine the significance of an impact, the following method should be used:

Significance (S) = (Magnitude + Duration + Scale) x Probability

The values of S must then be categorised as follows:

RATING		**DESCRIPTION**
SP > 60	High significance	An impact which could influence the decision about whether or to proceed with the activities regardless of any possible mitigation
SP 30 - 60	Moderate significance	An impact or benefit which is sufficiently important to require management and which could have an influence on the decision unless it is mitigated
SP < 30	Low significance	Impacts with little real effect and which will not have an influence on or require modification of the activities
+	Positive impact	An impact that is likely to result in a positive consequence/effect

I, **_Louise van Wyk____** (the Applicant) hereby declare that I have read the completed Risk Assessment form and hereby confirm that the information is, to the best of my knowledge, true and correct

Furthermore, I declare that I am fully aware of my responsibilities in terms of the Waste Exclusion Regulations, and that failure to comply with these Regulations may constitute an offence in terms of the National Environmental Management: Waste Act, 2008 (Act 59 of 2008).

_____

Signature of the applicant[2]/ Signature on behalf of the applicant:

_Louise van Wyk _____

Name of Applicant:

_Environmental Manager _____

Designation

_12/10/2023_____

Date:

[2] If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.