



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

APPLICANT	Sonae Arauco (Pty) Ltd
WASTE STREAM OR PORTION OF A WASTE STREAM TO BE EXCLUDED FROM THE DEFINITION OF WASTE	Biomass (Nose dump of product and off cut edges of product)
BENEFICIAL USE/S	Compost
	Growth Medium
	Filler in brick manufacturing
	Soil amendment
	Erosion Control
WASTE GENERATING FACILITY OR FACILITIES	
PHYSICAL ADDRESS OF FACILITY OR FACILITIES	Heidelberg Road
	Rocky Drift
	1240
GPS CO-ORDINATES OF WASTE GENERATING FACILITY OR FACILITIES	25° 22' 44" S 30° 59' 04" E
CONTACT PERSON	
NAME	Wilhelm Nortje
ADDRESS	Heidelberg Road

	Rocky Drift 1240	
EMAIL ADDRESS	wilhelm.nortje@sonaearauco.com	
TELEPHONE	082 320 8568	
* DETAILED DESCRIPTION OF WASTE GENERATING PROCESS	<p>Biomass is generated through the Particle Board production process. It is material that is dumped during the production process due to technical problems.</p> <p>Off cuts from edges of produced particle board.</p>	
PRODUCTION PROCESS FLOW CHART ATTACHED	YES Yes	NO
WASTE CLASSIFICATION	HAZARDOUS	GENERAL General Waste
IF WASTE IS HAZARDOUS LIST THE HAZARDS OF THE WASTE		
*A process flow chart must be attached to the process description		

See Flow chart attached to this document

RISK ASSESSEMENT WITHOUT MITIGATION

Activity	Risk Description	Environmental Receptors	Assessment of Risk					Significance
			Impact	Probability	Magnitude	Duration	Scale	

Activity Risk	Description	Environmental Receptors	Assessment of Risk					Significance
			Impact	Probability	Magnitude	Duration	Scale	
Application for Exclusion of Biomass from Waste	Exclusion of Biomass from Waste	Atmosphere	Air- Dust	2	4	1	2	16 (Low SP<30)
		Land	Soil- Chemical Compound	2	4	2	1	16 (Low SP<30)
			Soil contamination - Land Fill site (Top cover)	2	4	2	1	16 (Low SP<30)
			Soil contamination on site (Storages)	2	4	2	1	16 (Low SP<30)
			Soil- Leachable	2	4	2	1	16 (Low SP<30)
			Soil- Storage area onsite	2	4	2	1	16 (Low SP<30)
		Water	Water Contamination onsite	3	4	2	1	24 (Low SP<30)
		Fauna and Flora	Microorganisms and plant life	3	4	2	1	24 (Low SP<30)

See Attached Appendix for RA

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 to 10 years)
6 – Moderate	3 - Medium-term (12 months to 5 years)
4 – Low	2 - Short-term (0 to 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 – Improbable
0 – None	0 – None

Magnitude

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 impact to occur. The potential impact could be most likely to occur, unlikely, etc.

Assessment of Significance of impact

Significance rating of the potential impacts illustrates the importance of the impact itself. The size of 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 impact, the following method was used:

Significance Points (SP) = (Magnitude + Duration + Scale) x Probability

The values of SP are then ranged as follows:

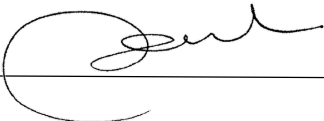
Rating		Description
SP >60	Indicates high environmental significance	An impact which could influence the decision about whether or not to proceed with the activities regardless of any possible mitigation.
SP 30 – 60	Indicates moderate environmental significance	An impact or benefit which is sufficiently important to require management and which could have an influence on the decision unless it is mitigated.
SP <30	Indicates low environmental 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 positive consequences/effects

I, Dionne Harber hereby declare that I have read the completed the 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).

Applicant (Full names) Sonae Arauco (Pty) Ltd

Designation CITO

Signature 

Date 05/10/2020 Place White River

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Date Received			
Decision Taken	Authorised		Not Authorised (provide reasons)
Reference Number			