



## ENVIRONMENTAL ASPECTS AND IMPACTS REGISTER

**Team:** Leroy

**Area :** All

**Date:** Oct-25

ESD 002 A

#	Resources/Process/Activity	Aspects (Cause)	Impacts (Effect)	Legal Requirement	Severity 1 (Extent)	Severity 2 (Duration)	Severity 3 (Intensity)	Probability	Mitigation	Significant Rating (S1+S2+S3+P)-M	Actions Required/Controls	Responsibility	Target Date	Status	Severity 1 (Extent)	Severity 2 (Duration)	Severity 3 (Intensity)	Probability	Mitigation	Rating after project (S1+S2+S3+P)-M
1	Fueling	Potential for diesel spills/leaks	Soil and groundwater contamination 5	Environmental Regulations GNR2281	1	5	3	4	2	11.00	Maintenance of bunded areas; spill kit availability; staff training on spill response.	Management and fuel operator	Ongoing	100%	1	2	2	4	2	7.00
2	Compressor	Leaks in lines / Compressor failure	Energy waste; Ground contamination	NEMA (Act 107 of 1998)	1	3	3	3	3	7.00	Regular maintenance and pressure testing	Management	Done	100%	1	2	2	3	3	5.00
3	Printing	Paper waste,	Pollution	Waste Act (Act 59 of 2008)	1	3	2	2	2	6.00	Waste management	Admin manager	Ongoing	100%						0.00
4	General Waste	Bad Housekeeping	Air pollution, ground contamination, hygiene	Waste Act (Act 59 of 2008)	1	5	4	4	2	12.00	Waste management company appointed. Waste bin to be collected when full	Management	Ongoing	100%	1	1	1	4	2	5.00
5	Water consumption	Water waste	Ground contamination	National Water Act (Act 36 of 1998)	1	2	2	2	2	5.00	None	All	Ongoing	100%						0.00
6	Fire extinguishers	Release of foam/chemicals from extinguishers	Ground contamination, Air pollution	NEMA (Act 107 of 1998)	1	2	2	2	2	5.00	Annual servicing of extinguishers; secondary containment in storage areas.	SHEQ manager	Yearly	100%						0.00
7	Vegetation	Overgrown weeds, grass	Fire hazards, Foreign weeds inhabitation	NEMA (Act 107 of 1998)	2	2	2	2	2	6.00	Regular maintenance	Yard Management	Ongoing	100%						0.00
8	Cleaning chemicals	Incorrect storage	Fire hazard, Ground contamination, health impact	Hazardous chemical substances regulation - GNR1179	2	3	3	3	3	8.00	Dedicated storage areas	Cleaners	Ongoing	100%						0.00
9	Ablution facilities	Sewerage, water wastage	Hygiene, ground contamination, air pollution	NEMA (Act 107 of 1998)	1	2	2	2	2	5.00	Installation of septic tank	Cleaners	Ongoing	100%						0.00
10	Diesel driven machinery/ Fuel consumption	Diesel usage	Air pollution	Air Quality Act (Act 39 of 2004)	2	1	1	4	3	5.00	Regular maintenance	Fleet Management	Ongoing	100%						0.00
11	Electricity Consumption	Electricity usage	Resource depletion	NEMA (Act 107 of 1998)	1	5	1	4	4	7.00	Installation of energy-efficient LED lighting and automated timers.	Yard Management	Complete	100%	1	2	1	2	2	4.00
12	Neighbouring activities, washing of vehicles	Waste water run-off into storm water drain	Water pollution	National Water Act (Act 36 of 1998)	1	1	1	4	4	3.00	Use of oil-water separators;	Neighbour	Ongoing	100%						0.00
13	Carbon emissions/ Idling of vehicles	Driving, unloading	Air pollution	Air Quality Act (Act 39 of 2004)	1	1	1	4	4	3.00	Vehicles switchrd off whilst loading/ off-loading. Monitor Idling.	Fleet Management	Ongoing	100%						0.00
14	Air-Con Gas	Air con usage	Air pollution	Air Quality Act (Act 39 of 2004) <sup>22</sup>	1	1	1	1	2	2.00	Regular maintenance /upgrade units	Management	Ongoing / complete	100%	1	1	1	1	2	2.00
15	Generator	Diesel usage	Ground contamination	NEMA (Act 107 of 1998)	1	1	3	1	2	4.00	Regular maintenance	Yard Management	Ongoing / complete	100%						