

Parameter	Legal requirements	Standard	Equipment	Calibration frequency and authority	Responsible person	Frequency of sampling/calculating
AIR QUALITY						
1. Stack emissions	Annual test house measurements				Env. Spec	Annually
	CEM	As per Annexure 2	As per Annexure 3	As per Annexure 3	Env. Spec	Continuously
2. Dust fall out	GNR 827 National Dust Control Regulations	As per Annexure 4	Fallout dust buckets	Not required.	Env. Spec	Monthly
3. CO2	PPP Regulations	IPCC guidelines			Env. Spec	Monthly
WATER						
1. Water Quality	Water quality monitoring	1.SANS 241: 2015 2. General Authorisations ito NWA 3. SAWQG			Env. Spec	As per Annexure 6
2. Water Quantity	Water quantity monitoring				Env. Spec	Monthly
3. Stormwater infrastructure	Channel inspections				Services Manager	Weekly
4. Waste water infrastructure	WWTW inspections				Services Manager	Weekly
WASTE						
1. Waste quantity	NEM:WA				Env. Spec	Monthly
2. Waste management licence internal audit	Waste management licence				Env. Spec	Biannually
3. Waste management licence external audit	Waste management licence				Env. Spec	Biannually
ELECTRICITY AND FUEL						
1. Electricity consumption					Env. Spec	Monthly
2. Diesel consumption					Warehouse Manager	Monthly
AUDITS						
ISO14001 certification/surveillance	ISO14001:2015				Env. Spec	Annually
ISO14001 internal audit	ISO14001:2016				Env. Spec	Annually
EMP Performance assessment	EMP				Env. Spec	Biannually

Location	Test Method	Authority reporting	Reporting freq.
As per annexure 1	EN Norms or US-EPA methods	DEFF	Annually
As per Annexure 2		DEDECT	Quarterly
		DEFF	Annually
As per Annexure 5		DEDECT	Quarterly
Lichtenburg Process CO2 emissions		DEFF	Annually
As per Annexure 6	ISO 5667-1-15		
As per Annexure 7			
Existing channels in stormwater management plan			
Lic, Tswana, Lovedale		DFFE	Annually
Lic, Tswana, Lovedale			
Lic, Tswana, Lovedale		DFFE	Biennially
Lichtenburg Process KPIs		Group sustainability	Biennially
Diesel Report		Group sustainability	Biennially
Lic, Tswana, Lovedale			
Lic, Tswana, Lovedale		BSI	Annually
Lic, Tswana, Lovedale		DMRE	Biennially