

RECEIVED: 29/11/2024



APPENDIX 3-2

BALLYQUIN EMS 11

Roadstone Ltd.

Location Monitoring Matrix: Location – Ballyquin	Doc. No. : EMS/11
	Revision No: 3
	Date: Apr 2024
	Approved By: SH

Monitoring at this Location will be carried out as per Monitoring Matrix below.

Item No.	Monitoring	No. of Sample Points	Monitoring Frequency	Report to EPA	Report To Local Authority Y/N	Limits	Responsibility
1.	Dust Deposition (Bergerhoff Jars)	4	Monthly	N	N	350mg/m2/day	Roadstone Limited (RL) & BHP
2.	Surface Water Discharge	1	Continuous Weekly Monthly Quarterly	N	N	Visual Inspection; pH 6-9; SS – 35mg/l; BOD 25mg/l; COD 100mg/l Diesel Range Organics; Petrol Range Organics; 10µl	RL & BHP
3.	Groundwater Quality	4 (3 additional during operations on campaign basis)	Annual	N	N	pH ; TSS ; BOD ; Ammonia (as N); Nitrate; Total Nitrogen (as N); Orthophosphate (as P) Total Dissolved Solids; Dissolved Metals (Cd, Cu, Fe, Pb, Mg, Mn, Ni, & Zn); Total Petroleum Hydrocarbons, Diesel Range Organics, Petrol Range Organics, Total Coliforms and Faecal Coliforms	RL & Hydro-Environmental
4.	Energy Usage	See EN 16001					RL

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5.	Noise	4	Bi-annual	N	N	55dB Daytime L _{ar,1hr} ; Evening Time 50dB L _{ar,1hr} ; & 45 dB Nighttime Daytime L _{ar,1hr} ;	RL & BHP
6.	Bund Integrity Testing		N/A			No Fuel stored onsite	
7.	Groundwater Levels	4	Continuous	N	N		RL & Hydro-Environmental
8.	Ecological monitoring		Annual	N	N		RL and MOR ECoW
9.	Site Visual Inspections	Site				-	Roadstone Management

Related Documents: EMS Map
 Environmental Monthly Report (FO/02)
 Monitoring and Measurement Procedure (EMS/10)