

The Environmental Health Department nor SDCC conduct independent dust deposition/air quality monitoring of the Roadstone Quarry in Belgard. As part of Roadstone's planning conditions they must undertake dust monitoring. The Environmental Health Department reviews Roadstone's quarterly reports and where dust levels are above 350 mg/m²/day (average over a 30-day period at a monitoring location), the planning department are informed as they would be non-compliant with their planning conditions under SD21A/0012 & SDQU05A/2.

The map below shows the eight dust monitoring locations where Bergerhoff jars are located.



It is a glass gauge instrument used to measure passive dust deposition (dustfall) from the air over a set period, typically 30 days (± 2 days).

Laboratory Analysis: After the exposure period, the jar at each monitoring point is capped and sent to an accredited environmental laboratory. In the lab the liquid and trapped particulates are filtered or transferred to an evaporating dish, dried in a chamber at 105°C, and weighed. The mass of the residue is converted into a daily deposition rate expressed in mg/m²/day.

Roadstone last year had elevated dust levels due to the construction associated with the solar farm located on the southeastern side of the quarry. There was one exceedance of the permitted level according to the NSAI 2025 audit attached at sampling point D1 in June.

Specifically in relation to Fettercairn, a dust monitoring was study was undertaken by a consultant on behalf of Roadstone from August 2016 to May 2021, there were no exceedances throughout this time.

Dust results for the period 13/03/2026 – 08/05/2026;

Dates	Report No.		D1	D2	D3	D4	D5	D6	D7	D8
			mg/m2/day	mg/m2/day	mg/m2/day	mg/m2/day	mg/m2/day	mg/m2/day	mg/m2/day	mg/m2/day
13/03/2026 - 10/04/2026	CNC26-12102-1 V1	Total	266.3	160.4	156.2	80.5	109.6	87.8	145.9	62.3
		Inorganic	129.5	85.3	27.8	61.7	86	31.5	82.3	41.1
		Organic	136.8	75.1	128.4	18.8	23.6	56.3	63.6	21.2
10/04/2026 - 08/05/2026	CNC26-12415-1 V1	Total	239.7	144.1	259.1	127.1	189.5	154.4	339	98.7
		Inorganic	99.3	76.3	39.3	75.7	69.6	42.4	108.4	36.9
		Organic	140.4	67.8	219.8	51.4	119.9	112	230.6	61.8

Common EPA / Planning License Limit: 350 mg/m²/day is the widely used standard benchmark applied in Irish and international EPA waste/quarry licences.

Roadstone's Dust Deposition Q3 2026 monitoring report period is usually submitted to SDCC in late October/early November for the months July, August and September.

An extensive survey was carried out on Roadstone's sprinkler system in 2025 by an external contractor. Following the survey all issues were rectified during the first half of 2025. There is now a service agreement in place for quarterly maintenance checks. If issues arise between these checks, they are called to site for repairs.

Officers from this department continue to respond to complaints of dust arising from the Roadstone site and visits were undertaken this year to observe the blasting process to ensure that mitigation measures were effective. During the spell of hot dry weather this year, a number of complaints from residents were received following which additional measures were undertaken by Roadstone to water the site down, especially access roads and egress points.