

Coolfog Systems

and

Dust Suppression

Airlabs Environmental Pty Ltd was commissioned to collect and analyse samples for Visy Recycling at their Gibson Island and Nudgee sites to determine the atmosphere exposure of personnel to total particulates and respirable dust (PM₁₀ and PM_{2.5}).

Gibson Island - Test Results

Fogging System	Date of Sample	Concentration (mg/Nm ³)		
		Total Particulates	PM ₁₀	PM _{2.5}
No	15 May 2001	32	26	20
Yes	4 November 2002	14	8.0	5.1

Total particulate reduction – 56.25%
 10um particles size reduction – 69.23%
 2.5um particle size reduction – 74.5%

Nudgee – Test Results

Fogging System	Date of Sample	Concentration (mg/Nm ³)		
		Total Particulates	PM ₁₀	PM _{2.5}
No	15 May 2001	17	15	12
Yes	24 October 2002	9.7	5.2	2.5

Total particulate reduction – 42.9%
 10um particles size reduction – 65.3%
 2.5um particle size reduction – 79.2%

Sampling for test results was conducted in accordance with Australian Standard AS 3640-1989, "Workplace Atmospheres – Method for Sampling and Gravimetric Determination of Inspirable Dust".
Airlabs Environmental Report No. JUN01093 (no Coolfog system used)
Airlabs Environmental Report No. OCT02203 (Coolfog system used)

Access Environmental Systems

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