

Air Pollution Report

1st January to 31st December 2016

Spalding Monkhouse School (Site ID: MONK)

These data have been fully ratified

Only relevant statistics for LAQM are presented in the table. Cells with - indicate no data available or calculated.

Pollutant	NO µg/m ³	NO ₂ µg/m ³	NO _x asNO ₂ µg/m ³	PM ₁₀ µg/m ³
Number Days Low	-	366	-	350
Number Days Moderate	-	0	-	2
Number Days High	-	0	-	0
Number Days Very High	-	0	-	0
Max Daily Mean	54	45	115	54
Annual Max	109	69	210	112
Annual Mean	4	13	19	14
98th Percentile of daily mean	-	-	-	34
90th Percentile of daily mean	-	-	-	22
99.8th Percentile of hourly mean	-	54	-	-
98th Percentile of hourly mean	32	40	82	39
95th Percentile of hourly mean	17	33	57	31
50th Percentile of hourly mean	1	10	13	12
% Annual data capture	99.81%	99.81%	99.81%	96.53%

Instruments:

PM₁₀: Conventional TEOM Gravimetric Equivalent (VCM correction applied) (01/01/2016 to 21/03/2016), BAM Gravimetric Equivalent (correction applied) (22/03/2016 to 31/12/2016)

All gaseous pollutant mass units are at 20°C and 1013mb. Particulate matter

concentrations are reported at ambient temperature and pressure. NO_x mass units are NO_x as NO₂ µg m⁻³

Pollutant	Air Quality Standards regulations 2010	Exceedances	Days
PM ₁₀ particulate matter (Hourly measured)	daily mean > 50 microgrammes per metre cubed	2	2
PM ₁₀ particulate matter (Hourly measured)	Annual mean > 40 microgrammes per metre cubed	0	-
Nitrogen dioxide	Hourly Mean > 200 microgrammes per metre cubed	0	0
Nitrogen dioxide	Annual Mean > 40 microgrammes per metre cubed	0	-

Annual Graph

