



2010 ENVIRONMENTAL IMPACT REPORT
AMBIENT AIR QUALITY

Environment Management Permit 3095

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2010 ENVIRONMENTAL IMPACT REPORT - AMBIENT AIR QUALITY

SUMMARY

Overall ambient air quality at Langdale continued to be good in 2010.

DISCUSSION

Ambient air quality at Langdale for 2010 is compared to previous years in Table 1 and Figures 1-4.

There was no significant change in any of the average values compared to previous years.

The maximum values for each parameter were each within the long term range. The maximum PM₁₀ values in both 2009 and 2010 occurred during August when there were high levels of forest fire smoke in the air shed.

HSPP received ten inquiries and complaints regarding odour during the year, a typical number.

Table 1. Langdale Ambient Air Quality Comparison

	"Good Air Quality"	2008	2009	2010
Annual Average TRS		1.2	0.7	0.6
Maximum 1-hour TRS	7	14.3	18.8	14.0
Hours TRS > "Good Air Quality"		32	14	27
Annual Average PM ₁₀	25	9.7	9.7	9.2
Maximum 1-hour PM ₁₀		25.1	48.5	49.5
Annual Average SO ₂	25	3.5	2.7	2.3
Maximum 1-hour SO ₂	450	23.7	30.6	98.5
Annual Average NO ₂	60	9.7	9.4	8.5
Maximum 1-hour NO ₂	200	57.4	60.0	53.0

All concentrations in ug/m³

CONCLUSION

Ambient air quality at Langdale remains good.

Figure 1. Langdale TRS

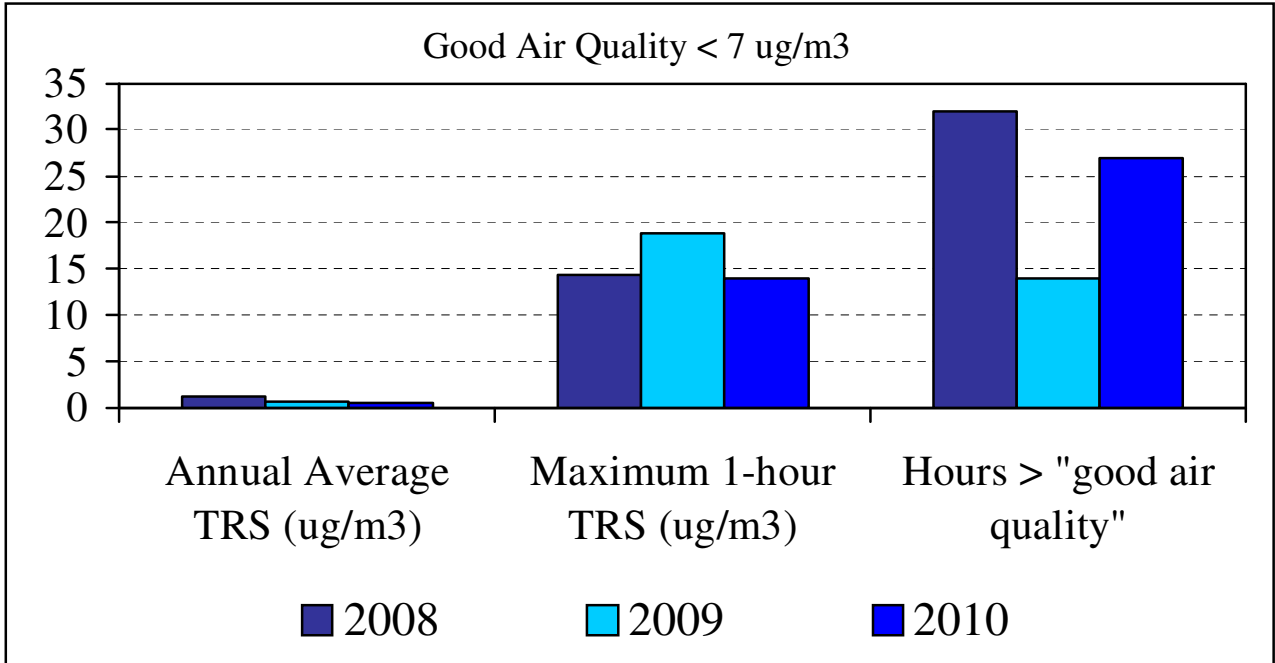


Figure 2. Langdale PM₁₀ (ug/m³)

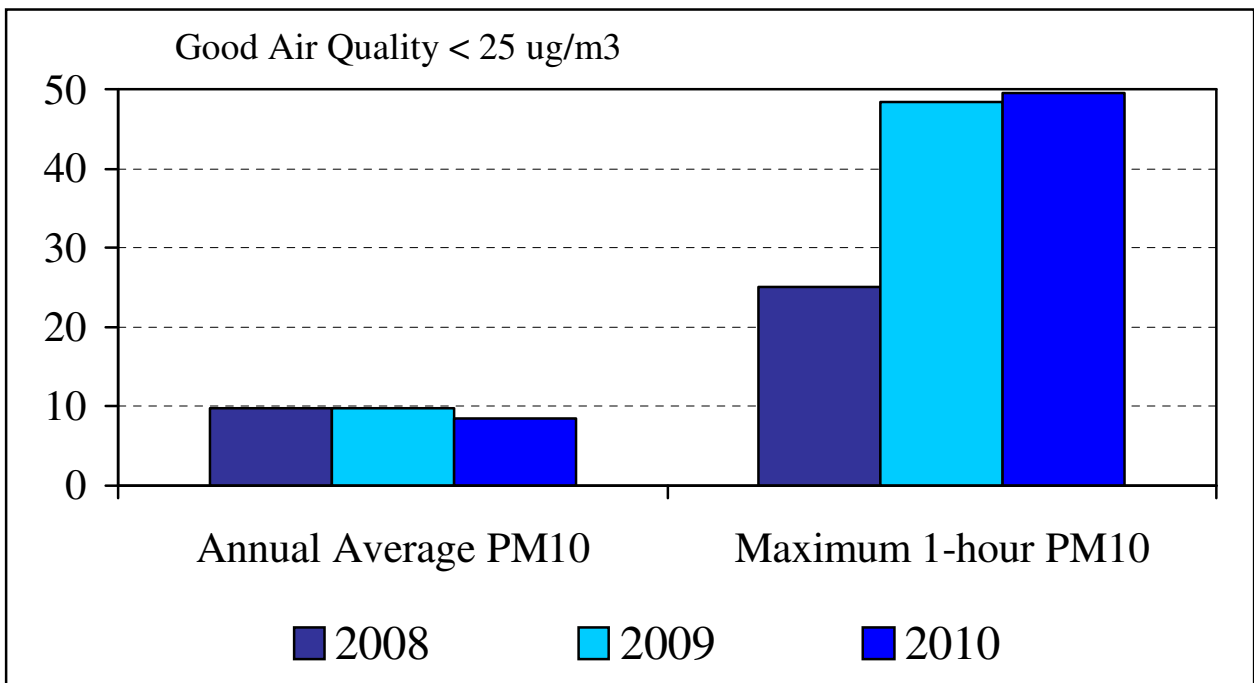


Figure 3. Langdale SO₂ (ug/m³)

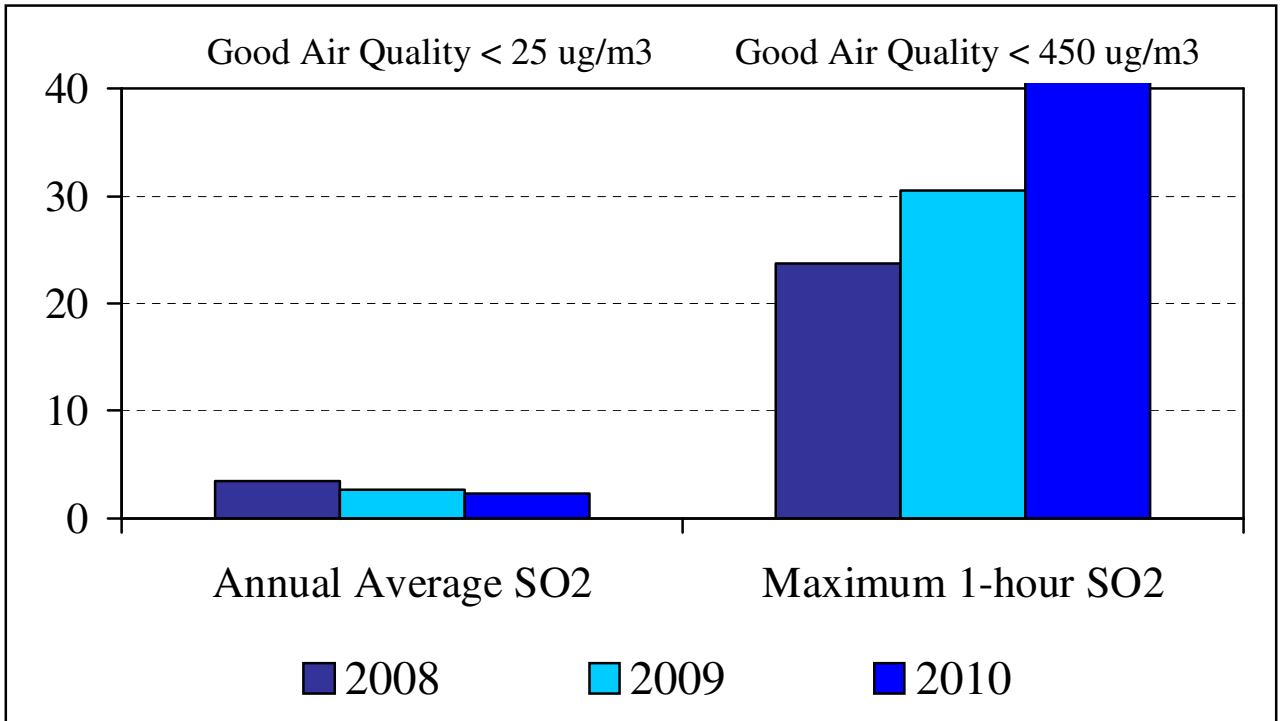


Figure 4. Langdale NO₂ (ug/m³)

