

## Rushmoor Borough Council

### South Farnborough Junior School: Map showing position of diffusion tubes and monthly averages of nitrogen dioxide measured.

#### Air Quality Investigation - 2019/20

All the results shown here have been adjusted by subtracting the laboratory blank and multiplying by the local bias adjustment factor. The EU annual mean air quality standard for NO<sub>2</sub> is 40 µg/m<sup>3</sup>. Our results are for a monthly average so are not directly comparable to the statutory limit. However, the results will indicate the following about air quality:

- Less than 30 µg/m<sup>3</sup> - good,
- 30-35 µg/m<sup>3</sup> – average
- 36-40 µg/m<sup>3</sup> - risks exceeding annual standard
- More than 41 µg/m<sup>3</sup> - likely to exceed annual standard

The results were lower in December compared to November – probably due to the weather conditions. The pollution levels in December were more as we expected with the highest level found at the front of school on the road and the lowest in the Upper School playground.



By alley:

November: 21.4µgm<sup>-3</sup>  
December: 14.1µgm<sup>-3</sup>

Beside staff car park:

November: 24.2µgm<sup>-3</sup>  
December: 14.6µgm<sup>-3</sup>

Upper school playground:

November: 24.6µgm<sup>-3</sup>  
December: 13.0µgm<sup>-3</sup>

Opposite front of school:

November: 24.0µgm<sup>-3</sup>  
December: 14.7µgm<sup>-3</sup>