

Preston New Road

December 2018

Background Air Quality Monitoring - Methane Summary

This methane (CH₄) summary report is intended to supplement our monthly reports and will be issued between the monthly reports to provide additional information on methane levels during the fracking period at little Plumpton.

The gap in the CH₄ data, between the 26 April 2018 - 1 May 2018, was due to a technical problem with the analyser.

Methane Results

Provisional CH₄ data, from the 23 August 2017 until the 4 December 2018, is shown in Figure 1. The average CH₄ concentration over the entire monitoring period was 1.40mg/m³.

The wind direction data shows that during the fracking period (15 October 2018 to date) wind only came from the direction of the well pad for ~4% of the time. None of the hourly averages during the fracking period (15 October 2018 to date) are higher than any of the hourly averages measured during the non-fracking period.

Figure 1. Time series plot of the methane (CH₄) 1-Hour Mean Concentrations (mg/m³).

