

Preston New Road

January 2019

Background Air Quality Monitoring - Methane Summary

This 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 hydraulic fracturing and well testing periods at Little Plumpton.

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

Methane Results

Provisional CH₄ data, from the 23rd August 2017 until the 2nd January 2019, 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 hydraulic fracturing period (15th October 2018 to date) wind only came from the direction of the well pad for ~3% of the time. None of the hourly averages during the hydraulic fracturing period (15th October 2018 to date) are higher than any of the hourly averages measured during the non-hydraulic fracturing period.

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

