

Development Control Committee

Meeting to be held on 23 June 2015

Item 8 Addendum

This is an addendum to the officer's report to the development control committee considering the planning applications relating to Preston New Road. The addendum to the report contains additions and corrections. Corrections are highlighted in yellow. Any further additions, including additional representations received after the agenda was published, will be reported to the committee in the usual way when the applications are presented for determination.

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Fylde Borough: application number. LCC/2014/0101

Construction and operation of a site for drilling up to four exploration wells, hydraulic fracturing of the wells, testing for hydrocarbons, abandonment of the wells and restoration, including provision of an access road and access onto the highway, security fencing, lighting and other uses ancillary to the exploration activities, including the construction of a pipeline and a connection to the gas grid network and associated infrastructure land at Roseacre Wood, Roseacre. Main report Noise (Appendix 13) – Page 460 – 464 – the existing section be deleted and substituted with the following:

The applicant's noise models for drilling and hydraulic fracturing noise have been revised using more detailed inputs, particularly in relation to the drilling noise based on measurements of the actual rig proposed for the application site. The adopted noise prediction methodology is appropriate, and is implemented in widely used noise modelling software.

The majority of the noise model inputs are clearly set out in the report, and simplified noise predictions undertaken by Jacobs using the same input data produce similar results to those calculated by the applicant.

For hydraulic fracturing noise, the solution proposed is a solid noise fence located 2m from the generators, 5m high and topped with a 1m return angled at 45°projecting into the enclosure. Predicted noise levels of 52dB were reported for Roseacre Wood at the closest sensitive receptor. For the drilling noise, the proposed mitigation measures are set out in the applicant's further information. This includes a 7m high sound barrier around the rig together with various other interventions.

Implementing these measures, the applicant indicates that noise levels of 37dB can be achieved at the closest receptor to the site.

The County Council's specialist noise consultant at Jacobs has replicated these and, the result calculated is within 1dB of the level predicted by the applicant. It is considered that the noise reduction measures are reasonable. There is no reason to believe that these reductions cannot be achieved in practice, although it is noted that

the barrier effect is dependent on geometry and if the drilling rig is arranged differently to the representation in the noise model then the barrier design may need to be altered accordingly.

A framework for a noise management plan is provided by the applicant. It is recommended that a noise management plan covering the areas identified in the framework be required by condition. This should include long term noise monitoring to demonstrate that the noise levels predicted by the applicant are being achieved at noise sensitive receptors. The Lowest Observed Adverse Effect Level (LOAEL) of night noise from the World Health Organisation (WHO) is 40 $\text{dBL}_{\text{night, outside}}$ and can be considered a health based value of the night noised guidelines (NNG) necessary to protect the public, including the most vulnerable groups such as children, the chronically ill and the elderly, from the adverse health effects of night noise. The predicted noise level of 37dB is below the WHO guideline.

The predicted noise level of 37dB is also considered to be in accordance with Planning Practice Guidance which states that:

“For any operations during the period 22.00 – 07.00 noise limits should be set to reduce to a minimum any adverse impacts, without imposing unreasonable burdens on the mineral operator. In any event the noise limit should not exceed 42dB(A) $L_{Aeq,1h}$ (free field) at a noise sensitive property”.

Noise from the site is not expected to have a prominent impulsive character. Nevertheless it is recommended that, should planning permission be granted, consideration be given to a condition limiting the number of L_{Amax} noise events exceeding a certain threshold level at night.

Noise from the site is not expected to have a tonal character. Nevertheless it is recommended that, should planning permission be granted, consideration be given to a condition to ensure tonal noise does not occur.

With the additional mitigation measures proposed by the applicant, it is considered that efforts have been made to reduce any adverse noise impacts that would arise from the drilling and hydraulic fracturing activities to a minimum. Furthermore, the resulting noise levels from the activities are considered to be in accordance with relevant government guidance.

The proposed development is therefore consistent with Policy DM2 of the JLMWLP and Policy EP27 of the Fylde Borough Local Plan. It has been satisfactorily demonstrated that noise impacts would be reduced to acceptable levels and would not result in harm to the amenity of neighbouring properties by way of noise pollution.

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Additional back ground papers have been added. The additional papers are highlighted for ease of identification:

**Local Government (Access to Information) Act 1985
List of Background Papers**

Paper	Date	Contact/Directorate/Ext
LCC/2014/0101	16/06/2014	Environment/531929
LCC/2014/0102	16/06/2014	
Jacobs	LCC/2014/0101	Review of ES Noise Chapter - 21/11/14
Jacobs	LCC/2014/0101	Roseacre Wood and LCC/2014/0096 Preston New Road: Baseline Noise Surveys – 16/12/14
Jacobs	LCC/2014/0096	Preston New Road and LCC/2014/0101 – Review of regulation 22 submission – 17/4/2015
Jacobs	LCC/2014/0096	Preston New Road and LCC/2014/0101 – Review of consultation submissions – 6/5/15
Jacobs	LCC/2014/0096	Preston New Road and LCC/2014/0101 Review of submission from R Harrison 26/5/15 – 1/6/15
RICARDO-AEA		Review of air quality of shale gas applications 30/4/15
RICARDO-AEA		Review of third party comments on shale gas applications at Roseacre Wood and Preston New Road 30/4/15
RICARDO-AEA		Review of Air Quality aspects of shale gas applications at Roseacre Wood and Preston New Road, Lancashire: update – 27/5/15
RICARDO-AEA		Shale gas application at Roseacre Wood, Lancashire: potential impact on air quality at Preston City Council Air Quality Management Area (AQMA) 3, Broughton – 5/6/16
RICARDO-AEA		Shale gas application at Roseacre Wood, Lancashire: Comments made by Mr K Hulme – 11/6/15
ABConsulting		Review of Arup Responses to Key Issues with respect to Induced Seismicity and Seismic Monitoring for the two sites, Preston New Road and Roseacre Wood, Lancashire, following Discussion Meeting on 13 November -1711/14 November 2014
ABConsulting		Key Issues and clarifications required on the Cuadrilla/Arup ES submission with respect to Induced Seismicity and Seismic Monitoring for the two sites Preston New Road and Roseacre Wood, Lancashire. 3/10/14
LCC Assistant Director Scientific Services - REPORT OF REVIEW OF THE AIR QUALITY CHAPTERS OF SHALE GAS EXPLORATION APPLICATIONS at Preston New Road, Lancashire and Roseacre Wood, Lancashire. 9/14		
LCC Director of Public Health and Wellbeing - Potential Health Impacts of the Proposed Shale Gas Exploration Sites in Lancashire 6/1014		
LCC/2014/0096	02/06/2014	
LCC/2014/0097	02/06/2014	
Environment Agency Permit Number EPR/BB3800FQ – Roseacre Wood – 6/2/15		

Reason for Inclusion in Part II, if appropriate

N/A

Page 727 – Appendix 18 Equality Analysis

Page 742 - replace paragraph:

It is therefore considered that after first taking into consideration the environmental information and further information, as defined in the Town and Country Planning (Environmental Impact Assessment) Regulations 2011 submitted in connection with the application, it is concluded that:

- *At Preston New Road, subject to conditions, the impact can be made acceptable*
- *At Roseacre Wood, the impact of noise remains unacceptable*

With

It is therefore considered that after first taking into consideration the environmental information and further information, as defined in the Town and Country Planning (Environmental Impact Assessment) Regulations 2011 submitted in connection with the application, it is concluded that:

- *At Preston New Road, subject to conditions, the impact can be made acceptable*
- *At Roseacre Wood, subject to conditions, the impact can be made acceptable*