

Lancashire County Council

Development Control Committee

**Tuesday, 23rd June, 2015 at 10.00 am in Council Chamber, County Hall,
Preston**

Supplementary Agenda

We are now able to enclose, for consideration at the next meeting of the Development Control Committee on Tuesday, 23rd June, 2015, the following information which was unavailable when the agenda was despatched.

Part I (Open to Press and Public)

No. Item

- 6. Fylde Borough: application number. LCC/2014/0096 (Pages 1 - 4)**
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 to land to the north of Preston New Road, Little Plumpton.

The Chief Executive has, under the council's urgent business procedure and in consultation with the chair and deputy chair of the committee, agreed that any representations in respect of this planning application must be submitted by noon on Friday 19 June 2015. Any representations received after this time will not be considered by the Development Control Committee.

7. **Fylde Borough: application number. LCC/2014/0097** (Pages 5 - 6)
Application for monitoring works in a 4 km radius of the proposed Preston New Road exploration site comprising: the construction, operation and restoration of two seismic monitoring arrays comprising of 80 buried seismic monitoring stations and 10 surface seismic monitoring stations. The seismic monitoring stations will comprise underground installation of seismicity sensors; enclosed equipment and fenced enclosures. The surface array will also comprise monitoring cabinets. The application is also for the drilling of three boreholes, each installed with 2 monitoring wells, to monitor groundwater and ground gas, including fencing at the perimeter of the Preston New Road exploration site near Little Plumpton

8. **Fylde Borough: application number. LCC/2014/0101** (Pages 7 - 10)
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.

The Chief Executive has, under the council's urgent business procedure and in consultation with the chair and deputy chair of the committee, agreed that any representations in respect of this planning application must be submitted by noon on Friday 19 June 2015. Any representations received after this time will not be considered by the Development Control Committee

9. **Fylde Borough: application number. LCC/2014/0102** (Pages 11 - 12)
Application for monitoring works in a 4 km radius of the proposed Roseacre Wood exploration site comprising: the construction, operation and restoration of two seismic monitoring arrays comprising of 80 buried seismic monitoring stations and 8 surface seismic monitoring stations. The seismic monitoring stations will comprise underground installation of seismicity sensors; enclosed equipment and fenced enclosures. The surface array will also comprise monitoring cabinets. The application is also for the drilling of three boreholes, each installed with 2 monitoring wells, to monitor groundwater and ground gas, including fencing at the perimeter of the Roseacre wood exploration site. Monitoring works in a 4km radius of the proposed Roseacre Wood site, off Roseacre Road and Inskip Road, Roseacre and Wharles, Preston.

I Young
Director of Governance,
Finance and Public Services

County Hall
Preston

Development Control Committee

Meeting to be held on 23 June 2015

Item 6 - 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.

Item 6

Application LCC/2014/0096 – Preston New Road – site

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 on to 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 to land to the north of Preston New Road, Little Plumpton

Page 63 – 64

Main Report – Noise (Appendix 13) (page 63 - 64) – This section is replaced with the following to reflect the conclusions of Appendix 13. The changes to the section are highlighted for ease of identification:

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 **53dB** were reported for **Preston New Road** 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.

In implementing these measures, the applicant indicates that noise levels of **39dB** 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 $\text{dB}_{\text{Lnight, outside}}$ and can be considered a health based value of the night noise guidelines 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 39dB is below the WHO guideline.

The predicted noise level of 39dB 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) LAeq,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.

Page 83 - Condition 12

Substitute with the following, reason to remain unchanged:

The development hereby approved shall not commence until a scheme for the monitoring of background highway conditions which is evidence based at

appropriate locations that intercept all vehicles that access/egress the site has been submitted to and approved in writing by the County Planning Authority. This scheme will be informed by and form part of the traffic management plan. The information shall be collected as set out in the scheme with traffic data to be continuously recorded at agreed intervals.

All information shall be provided to the County Planning Authority at time intervals to be agreed with the local highway authority in consultation with the planning authority. The monitoring information will be used to inform the operation of the Traffic Management Plan or to support the necessary additional highway maintenance as a direct result of the proposal.

Page 96

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/2014/0096	02/06/2014	Environment/531929
LCC/2014/0097	02/06/2014	
Jacobs	LCC/2014/0096 Preston New Road: Review of ES Noise Chapter - 20/11/14	
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	
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 -17/11/14 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/2014/0101 16/06/2014

LCC/2014/0102 16/06/2014

Environment Agency Permit Number EPR/AB3101MW - Preston New Road 16/1/15

Reason for Inclusion in Part II, if appropriate

N/A

Page 315 – Appendix 18 Equality Analysis

Page 330 - 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*

Development Control Committee

Meeting to be held on 23 June 2015

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 contains an addition to the report. 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.

Item 7 – page 363

Fylde Borough Council: application number. LCC/2014/0097

Application for monitoring works in a 4 km radius of the proposed Preston New Road exploration site comprising: the construction, operation and restoration of two seismic monitoring arrays comprising of 80 buried seismic monitoring stations and 10 surface seismic monitoring stations. The seismic monitoring stations will comprise underground installation of seismicity sensors; enclosed equipment and fenced enclosures. The surface array will also comprise monitoring cabinets. The application is also for the drilling of three boreholes, each installed with 2 monitoring wells, to monitor groundwater and ground gas, including fencing at the perimeter of the Preston New Road exploration site near Little Plumpton

Page 395

Additional condition to be inserted after condition 2 and all subsequent conditions to be re-numbered:

Within 1 week of the completion of the installation of each of the 80 buried seismic monitoring stations, the 8 surface seismic monitoring stations and construction of the associated enclosed equipment, the drilling of the 3 ground water monitoring boreholes and erection of fenced enclosures to each of the monitoring stations, all plant and equipment, temporary surfacing required for the installation of the monitoring stations fences or other form of boundary treatment to the red edge boundary to each of the monitoring stations required for the installation of the stations shall be removed, and all the land, other than that required for the monitoring stations themselves, their respective 2m x 2m fenced enclosures and associated equipment, shall be reinstated and restored to agricultural use and thereafter retained in such use in accordance with the planning conditions to this permission for the permitted operational life of each of the monitoring stations until such time as they are to be removed for the purposes of the planning conditions to this permission.

Reason: In the interests of visual and local amenity and the local environment and to conform with Policy EP12 of the Fylde Local Plan.

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.

Item 8 – page 405

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 dBL_{night, outside} and can be considered a health based value of the night noise 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) LAeq,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.

Page 481

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
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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	
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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*
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Development Control Committee

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Addendum

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Item 9 – page 775

Fylde Borough Council: application number. LCC/2014/0102

Application for monitoring works in a 4 km radius of the proposed Roseacre Wood exploration site comprising: the construction, operation and restoration of two seismic monitoring arrays comprising of 80 buried seismic monitoring stations and 8 surface seismic monitoring stations. The seismic monitoring stations will comprise underground installation of seismicity sensors; enclosed equipment and fenced enclosures. The surface array will also comprise monitoring cabinets. The application is also for the drilling of three boreholes, each installed with 2 monitoring wells, to monitor groundwater and ground gas, including fencing at the perimeter of the Roseacre wood exploration site. Monitoring works in a 4km radius of the proposed Roseacre Wood site, off Roseacre Road and Inskip Road, Roseacre and Wharles, Preston.

Page 808

Additional condition to be inserted after condition 2 and all subsequent conditions to be re-numbered:

Within 1 week of the completion of the installation of each of the 80 buried seismic monitoring stations, the 8 surface seismic monitoring stations and construction of the associated enclosed equipment, the drilling of the 3 ground water monitoring boreholes and erection of fenced enclosures to each of the monitoring stations, all plant and equipment, temporary surfacing required for the installation of the monitoring stations fences or other form of boundary treatment to the red edge boundary to each of the monitoring stations required for the installation of the stations shall be removed, and all the land, other than that required for the monitoring stations themselves, their respective 2m x 2m fenced enclosures and associated equipment, shall be reinstated and restored to agricultural use and thereafter retained in such use in accordance with the planning conditions to this permission for the permitted operational life of each of the monitoring stations until such time as they are to be removed for the purposes of the planning conditions to this permission.

Reason: In the interests of visual and local amenity and the local environment and to conform with Policy EP12 of the Fylde Local Plan.

