

Preston New Road Exploration Works | Community Liaison Group

Date:

Tuesday, 11th December 2018

Venue:

Wrea Green Institute, Station Road, Wrea Green, Preston, PR4 2PH

Attending:

Councillor Paul Hayhurst, member for Fylde West division on Lancashire County Council
Councillor Julie Brickles, member for Warton and Westby ward on Fylde Borough Council
Councillor John Kirkham, member for Warton and Westby ward on Fylde Borough Council
Councillor Dawn Ansell, Weeton-with-Preese Parish Council
Councillor Stuart Harrison, Medlar-with-Wesham Town Council
David Kirkham, Westby-with-Plumpton Parish Council
Mary Finn, Local Community Representative
Christopher Holliday, Local Community Representative
Jan Gregson, Local Community Representative
Andrew Mullaney, Lancashire County Council
Steve Molyneux, Environment Agency
Mark Lappin, Cuadrilla
Laura Hughes, Cuadrilla
Jackie Dobson, Lexington Communications

Apologies:

Councillor Miranda Cox, Kirkham Town Council
Diane Dibley, Local Community Representative
Liz Cheadle, Local Community Representative
Sergeant Anthony Alves, Lancashire Constabulary

Item		Action
1.	<p>Welcome and apologies</p> <p>Councillor Hayhurst welcomed attendees and noted the recent death of Tony Almond of the Health & Safety Executive. As a mark of respect, all attendees stood and observed a moment of silence.</p> <p>Jackie Dobson noted the apologies received.</p>	
2.	<p>Agree meeting report of 12th November 2018</p> <p>Members approved the meeting report as an accurate record.</p> <p>Whilst advising that she is usually happy with the meeting report, Councillor Brickles stated that she had received a backlash on social media regarding</p>	

	<p>previous comments made. However, she drew comparisons with comments made by a fellow member of the Group which had not been quoted in the meeting report and emphasised the need for the minutes to be fair towards all members. It was noted that Councillor Brickles had not realised how her comments could have been misinterpreted until reported on social media.</p> <p>Mark Lappin suggested that the meeting report could highlight all names with a colour which would allow members to easily and quickly check comments attributed to them when reviewing the minutes. It was agreed that Jackie Dobson would adopt this approach.</p> <p>Councillor Hayhurst praised Jackie Dobson for production of the monthly meeting reports.</p>	<p>Jackie Dobson to colour code the meeting report</p>
<p>3.</p>	<p>Review actions arising from previous meeting</p> <p><i>Action 1. Lancashire County Council to circulate briefing – Andrew Mullaney</i> circulated to attendees a document that detailed concerns raised by local people and the controls in place to respond to said issues. Councillor Hayhurst suggested members review the document and discuss further at the next meeting.</p> <p><i>Action 2. Fylde Borough Council to provide update – Andrew Mullaney</i> advised attendees of a statement provided by Fylde Borough Council regarding the living conditions of the protestors at Maple Farm. The statement noted that Fylde Borough Council is continuing to work with the respective landowners where the three protestor camps are located.</p> <p>He advised that when an encampment appears, Fylde Borough Council expects the landowner to take responsibility, either by taking steps to remove the encampment or apply for the relevant permissions to operate a camp site. The statement advised that the Council is in discussions with each landowner regarding the most appropriate solution for each camp.</p> <p>It was noted that due to the complexities of removing a large encampment or changing the use of the land, this had taken the Council longer than it would have liked, but that assurances have been given that the landowners are working towards a solution.</p> <p>Andrew Mullaney advised attendees that the statement advised that Fylde Borough Council continues to investigate any queries or complaints in relation to noise and waste disposal.</p> <p>It was noted that all camps, except the one behind Lytham Windows, have been visited and that the Council is working with the landowners and</p>	<p>Members to discuss at next CLG meeting</p>

	<p>protestors to ensure measures are in place to ensure the safety of those residing on the camps.</p> <p>Furthermore, the statement advised that Fylde Borough Council is keen to regulate and/or enforce the activities for each camp and will continue to work with the landowners until a satisfactory outcome is achieved.</p> <p>Andrew Mullaney concluded the statement by advising that Fylde Borough Council expects to provide a further update in February.</p> <p><i>Action 3. Mark Lappin to confirm</i> – Mark Lappin confirmed that hydraulic fracturing has not occurred within 18 hours of an ‘amber’ event. He went on to advise that all records are provided to the regulators.</p> <p><i>Action 4. Mark Quint to provide summary</i> – Jackie Dobson advised that she was liaising with Mark Quint and would circulate the summary of when ‘amber’ and ‘red’ events have occurred to members in due course.</p> <p><i>Action 5. Jackie Dobson to circulate Q&A document</i> – In response to the request for the Question & Answer document to be circulated to members in advance of the meeting and at regular intervals, Jackie Dobson confirmed this had been provided via email. Furthermore, she advised that since the document had been circulated, two additional questions had been raised for discussion during Agenda Item 4.</p> <p><i>Action 6. Mark Lappin to confirm</i> – Referring to Councillor Cox’s question regarding how much water has been injected, Mark Lappin informed attendees that approximately three million litres has been used. He advised that this included rainwater and recycled water.</p> <p><i>Action 7. Councillor Ansell to circulate to Mark</i> – Referring to the previous request for screenshots that demonstrate that the website had not been updated by 10am one day in October, Mark Lappin encouraged Councillor Ansell to provide these to allow him to investigate this further.</p> <p><i>Action 8. Mark Lappin to invite</i> – Jackie Dobson confirmed that she had liaised with Natascha Engel, the new commissioner for shale gas, to invite her to attend a forthcoming meeting as an observer and informed attendees that she will endeavour to attend January’s meeting.</p> <p><i>Action 9. Jackie Dobson to circulate dates</i> – It was noted that CLG members had been invited to a site visit which had taken place on Wednesday, 5th December. Mark Lappin informed attendees that those who had been unable to attend would be welcome to visit the site at a future date.</p>	
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	<p>Referring to the previous discussion regarding the time taken to respond to questions raised by CLG members, Mark Lappin advised that this has been discussed internally and that Cuadrilla would endeavour to address this.</p>	
<p>4.</p>	<p>Question & Answer session</p> <p>Members reviewed the responses provided to questions raised ahead of the meeting. A handout was provided to attendees.</p> <p>During the review of responses, several additional questions were raised:</p> <ul style="list-style-type: none"> – Referring to a siren that had been heard on Sunday, 18th November, Christopher Holliday noted that CLG members had previously been advised that a muster drill had been carried out shortly after the event. He questioned why members had not been informed of the muster drill and Mark Lappin apologised and advised that he would investigate this incident. <p>Several questions had been received since the document had been issued to members. As such, Mark Lappin provided attendees with responses.</p> <ul style="list-style-type: none"> – With regard to the request for an update regarding an alleged verbal assault involving a security guard, Mark Lappin explained that Cuadrilla is awaiting more information regarding the alleged incident to investigate further. – In response to a question regarding the number of occasions Cuadrilla has met with Government Ministers in 2018, Mark Lappin explained that information about meetings held with external stakeholders cannot be provided. The reason stated for this is related to the complexity of such reporting, for example, would it include ‘phone call questions and conversations with Ministers’ advisers and regulators. <p>Mary Finn expressed concerns regarding the lobbying of Government Ministers to get the limit of 0.5 ML in relation to the Traffic Light System increased. Elaborating on her concerns, she cited a press article that stated representatives from the shale gas industry had been lobbying Claire Perry, Minister of State at the Department for Business, Energy and Industrial Strategy (BEIS). Mary Finn noted that the article had suggested that the Minister had been offered ‘nice meals in nice restaurants’ and questioned whether this represented a conflict of interest.</p> <p>Mark Lappin advised that Cuadrilla does engage with various Government representatives at all levels regarding operational activity at Preston New Road and to respond to questions raised regarding the Industry. He noted that it is</p>	<p>Mark Lappin to investigate</p>

	<p>normal and healthy for energy companies to be in discussion with energy regulators. He also pointed out that Government Ministers also receive representations from those with a different perspective, and suggested that this demonstrates an open and transparent democratic system of Government.</p> <p>During the discussion regarding lobbying of Government officials, Mark Lappin informed CLG members that Cuadrilla does not take Government Ministers for ‘nice meals in nice restaurants’ and Councillor Harrison noted that Cuadrilla is subject to regulations to prevent bribery and corruption. Whilst acknowledging concerns raised, Councillor Hayhurst stated that lobbying of Government Ministers occurs across all UK industries, citing how companies seek to engage with the Chancellor of the Exchequer to obtain favourable positions ahead of the Budget Statement.</p> <ul style="list-style-type: none"> – Referring to the questions as to how many times Cuadrilla has met with the Shale Gas Commissioner in 2018, Mark Lappin reiterated the same position; Cuadrilla does not provide information regarding meetings held with external stakeholders. – Regarding an alleged incident of a vehicle exiting the site at speed on Wednesday, 21st November, Mark Lappin informed members that Cuadrilla examined the CCTV footage of the vehicle and confirmed that the driver did not exit at excessive speed. Nonetheless, he advised that Cuadrilla had identified a vehicle leaving the site at speed during October. Mark Lappin advised that in response, Cuadrilla contacted the supplier and requested that the driver was not used for operations relating to Cuadrilla in future. – In response to a question asked as to when the site would be inactive over Christmas, Mark Lappin informed attendees that staff will be onsite throughout the festive period. He advised that work will be restricted in-line with regulations, such as no activity on Saturday afternoons and Sundays or on Bank Holidays. – Addressing a question regarding a statement issued by the Chair of AJ Lucas that suggested Cuadrilla would be lobbying for a change to the seismic regulations, Mark Lappin confirmed that, as noted at November’s CLG meeting, the Oil & Gas Authority deliberately set the limit low to reassure the public. He went onto question whether the volume of media coverage had reassured local people. <p>Elaborating on this, Mark Lappin explained that Cuadrilla has been examining data obtained from the Preston New Road operation and will provide this to Government for independent assessment. Councillor Brickles questioned</p>	
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<p>which Government department had requested the data, whilst Councillor Ansell asked when the data would be provided.</p> <p>In response, Mark Lappin explained that Cuadrilla is required to provide the data to the OGA which had always indicated that it would reassess the TLS once real data is available. He noted that the final data would be provided once operations are complete.</p> <p>Councillor Harrison asked whether Cuadrilla will provide all data including trailing events. Mark Lappin responded that all data will be provided.</p> <p>Councillor Brickles questioned where micro-seismic events are occurring on the Fylde Coast that are not related to Cuadrilla’s activity. Mark Lappin confirmed that the micro-seismic events that occurred in Blackpool recently were considered to be as a result of hydraulic fracture stimulation, but reiterated previous comments that a much greater event occurred on Saturday, 15th September in Durham with no public attention.</p> <ul style="list-style-type: none"> – In response to a question regarding the use of liquid Nitrogen, Mark Lappin explained that nitrogen is used to lift the column of water in the well above the reservoir and allow the gas to flow from the reservoir, into the well and to the surface. He noted that the gas is transported to site as a liquid. – Referring to research by the University of Liverpool that has suggested the impact of a 1.5 ML would be like dropping a melon, Mark Lappin explained that this analogy seeks to help those unfamiliar with the Richter Scale to understand the impact of a micro-seismic event. Christopher Holliday stated that employees in the office at Whitehills reported hearing a noise and the building shaking around the time of the event. It was acknowledged that the British Geological Survey (BGS) had received a report of the micro-seismic event being felt prior to it being confirmed on the BGS’s website. <p>Mark Lappin explained that Cuadrilla’s monitoring arrays had measured a ground movement of less than one millimetre per second. He pointed out that other industries have a limit of 15 mm per second and that frac’ing for geothermal energy has reached much higher levels of induced seismicity.</p> <p>Christopher Holliday questioned why the first ‘red’ event on Friday, 26th October was recorded at 2KM below the surface, whilst the ‘red’ event on Tuesday, 11th October was at 1 KM, albeit both in the same location. A brief discussion was had regarding vibrations being stronger at the surface if at shallower depths, with confirmation that the magnitude is determined at the epicentre of a tremor, rather than the surface. However, Mark Lappin agreed</p>	<p>Mark Lappin to investigate</p>
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	to investigate regarding the recorded depths of the 'red' events and circulate an update to the CLG members.	
5.	<p>Lancashire Police update</p> <p>Sergeant Alves of Lancashire Police had given his apologies and provided a written statement.</p> <p>Councillor Brickles requested a discussion at the next meeting regarding targeted arrests, specifically officers arresting campaigners who spend up to eight hours locked-up and who are then released with no further action taken.</p>	To be discussed at the next CLG meeting
6.	<p>Site update</p> <p>Mark Lappin provided an overview of operational activity, reiterating that Cuadrilla began hydraulic fracturing in October. Reiterating comments made at November's meeting, he advised that Cuadrilla had envisaged that the operation would begin at the toe and then move up the well. However, he noted that fracking had been undertaken along the length of the horizontal well in a different order to further understand seismicity and obtain data.</p> <p>Mark Lappin explained that the company had decided to flow back fluid in order to reduce pressure on faults and that, during flow-back, gas had been produced which is encouraging from a reservoir quality point of view. Against this background, he noted that during November, Cuadrilla spent time assessing results and considering how to stimulate the reservoir based on these results.</p> <p>He noted that during December, Cuadrilla has continued hydraulic fracturing of the first well and will complete the stages in 1st well and will then pause and re-assess. He concluded by noting that preparations are underway regarding the third and fourth wells that are permitted under the planning consent.</p> <p>Councillor Brickles sought clarification regarding previous comments made that Cuadrilla would leave as much water in the well to reduce seismicity.; she questioned whether these statements were contradictory. Mark Lappin explained how soaking (water left in the well) can improve the quality of the fractures, not to reduce seismic activity but noted that Cuadrilla did not need to do this as the fracs propagated well during treatment.</p> <p>Referring to the Hydraulic Fracture Plan (HFP), Councillor Brickles questioned how Cuadrilla is operating in accordance with it. She stated that it was not stipulated that Cuadrilla would operate on a cycle of hydraulic fracturing, a 'red' event and an 18 hour pause, with the process then repeated. Councillor Brickles suggested that the Oil & Gas Authority, as the regulator, should be</p>	

	<p>reviewing the HFP and questioned whether it is working. Mark Lappin explained that it is for the Oil & Gas Authority to determine whether the HFP is working and noted that Cuadrilla engages with the regulator during the 18 hour pause following a ‘red’ event.</p> <p>Noting the need to check the well integrity following a ‘red’ event, Councillor Brickles questioned how Cuadrilla ascertains this quickly. Mark Lappin advised that this can be determined by monitoring pressure for changes. He noted that if the pressure remains the same, the integrity of the well is confirmed.</p> <p>Stating that he had heard noise from the pumps from his home on the morning of Tuesday, 11th December, Christopher Holliday asked if operations were different that day. Mark Lappin confirmed that there was no difference in operations, but he would look into it and discuss this with Christopher Holliday further outside the CLG meeting.</p> <p>Councillor Ansell asked whether flowback is reused and Mark Lappin confirmed that a proportion is recycled. She went onto ask why tankers are being used to remove water from Preston New Road when Cuadrilla has storage capacity on the site. Mark Lappin explained that Cuadrilla is removing rainwater to ensure enough storage capacity remains onsite for flowback.</p> <p>Councillor Ansell asked, on behalf of a member of the community, whether Cuadrilla has a Water Abstraction License to remove more than 20 cubic metres a day. Mark Lappin confirmed that Cuadrilla is not abstracting fluid, therefore, does not require a Water Abstraction License. Elaborating on this, Steve Molyneux advised that if water is taken from a river, stream or an underground source, a Water Abstraction Licence is required from the Environment Agency. He reiterated that this does not apply to Cuadrilla’s operation.</p> <p>Citing that 73 tankers have exited the site in recent days, Councillor Brickles emphasised the need to bear in mind the number of vehicle movements to and from Preston New Road to remove water when considering future applications for hydraulic fracturing. Andrew Mullaney confirmed that there is no restriction in the Traffic Management Plan (TMP) regarding the number of vehicle movements, but that this had been considered in relation to the Roseacre Wood proposals.</p>	<p>Mark Lappin to liaise with Christopher Holliday</p>
<p>7.</p>	<p>Lancashire County Council Update</p> <p>Providing an update from Lancashire County Council, Andrew Mullaney advised that he had received several complaints regarding the light from the rig. Advising members that he had visited the site on Monday, 10th December,</p>	

	<p>Andrew Mullaney circulated a photograph of the rig to attendees. He noted that this indicates that there is not an issue regarding light from the rig, but he confirmed that Lancashire County Council would continue to monitor this.</p> <p>A discussion followed regarding the lights from the rig, with Councillor Ansell advising that the rig can be seen from her property over a mile from the site. Members noted that the rig appears brighter on Ballam Road and suggested that this is distracting for motorists.</p> <p>Councillor Ansell asked whether the rig uses both warm and cool lighting. Andrew Mullaney stated that lights are used to illuminate the stairwell, but noted that these may appear different colours due to the reflection from other equipment and against the background of the sky. Mark Lappin agreed to investigate why the Coil Tower has not been consistently lit and ensure it is not lit when not necessary. Acknowledging concerns raised regarding the lights, Mark Lappin noted that Cuadrilla will look into lighting to minimise light pollution.</p> <p>Andrew Mullaney referred to two fracking related motions that will be debated by members at Lancashire County Council’s Full Council meeting on Thursday, 13th December. Providing an overview of the first motion submitted on behalf of the Labour Group, Andrew Mullaney informed attendees that the motion proposes the suspension of fracking at the Preston New Road site until an independent inquiry is held into the micro-seismic events.</p> <p>Regarding the second motion submitted by a Conservative member, he advised that the motion relates to concerns that Lancashire Police are slow to remove obstructions caused by anti-fracking protestors and the request that future police operations associated with Preston New Road protests are funded by Central Government.</p>	<p>Mark Lappin to investigate</p>
<p>8.</p>	<p>Industry regulators update</p> <p>Steve Molyneux advised that the Environment Agency (EA) had undertaken five inspections to site since the last meeting, with one of these visits being unannounced. He advised that discussions with Cuadrilla remain ongoing regarding waste management, flowback, flaring and removal of aggregate from the site.</p> <p>Reiterating comments made at the last meeting, Steve Molyneux went on to refer to the methane emissions detected at the site. He informed attendees of a non-compliance issue relating to open top tanks that are not consistent with the Waste Management Plan (WMP). It was noted that a Non-Compliance Report would be publicly available in the coming days. Councillor Harrison</p>	

questioned why a breach of the WMP is considered a relatively minor non-compliance administrative issue.

In response, **Steve Molyneux** informed attendees that the WMP stipulates the use of enclosed tanks, but noted that Cuadrilla's use of open tanks is under review, but it does not have a significant environmental impact. To simplify the position, **Councillor Harrison** asked whether the distinction relates to an open tank and one that is closed, but not sealed. It was confirmed that this is currently the situation.

Elaborating on this, **Mark Lappin** reiterated previous comments that background monitoring detects 3 ppm and noted that 11 ppm had been identified. He noted that 29 ppm had been recorded during baseline monitoring prior to operations beginning.

To provide context, **Steve Molyneux** advised that the EA is undertaking inspections and site audits as it would with any industry requiring regulation. However, he referred to the level of scrutiny on the Preston New Road operation and noted that the EA is in ongoing dialogue with Cuadrilla regarding these issues.

Steve Molyneux went on to advise that the well pad stone is potentially hazardous waste due to mechanical oils that could have been spilled and noted several relatively minor non-compliance tissues relating to this that were primarily administrative errors, notably the wrong company name provided on paperwork. A non-compliance has been recorded for the use of a flow metre that was not MCERTS accredited.

Steve Molyneux advised that, under the Water Resources Act, the Environment Agency is due to review the plans for the construction of the cellar.

He went on to note that the EA had received several complaints regarding the micro-seismic events, but advised that these had been referred to the Oil & Gas Authority. **Councillor Hayhurst** asked how many complaints regarding micro-seismic activity had been received and from where. **Steve Molyneux** explained that the EA is not responsible for seismicity and reiterated that the enquiries had been passed to the Oil & Gas Authority.

He further informed attendees that the EA is liaising with Cuadrilla regarding a Freedom of Information Request to publish the daily reports Cuadrilla provides to the EA.

Referring to earlier comments made regarding the number of site visits made, **Councillor Brickles** expressed concern that only one was unannounced. Highlighting comparisons with health and hygiene inspectors, she advised that

	<p>these visits are always unannounced. Echoing these comments, Councillor Hayhurst advised of his experience of HM Customs and Excise (now part of HM Revenue and Customs) which undertakes unannounced visits.</p> <p>Steve Molyneux explained that the EA needs to engage with Cuadrilla’s technical team regarding specific elements of the operation, so visits need to be arranged to allow inspectors to speak with the individuals involved. Mark Lappin noted that Cuadrilla welcomes site visits from the regulators, both announced and unannounced.</p> <p>Jackie Dobson advised attendees that the Health & Safety Executive had provided a written response.</p>	
<p>10.</p>	<p>Confirm date of next meeting</p> <p>It was confirmed that the next meeting should take place at:</p> <p>7pm on Monday, 10th December at Wrea Green Institute, Station Road, Wrea Green, Preston, PR4 2PH.</p> <p>In the absence of Councillor Hayhurst and in line with the Terms of Reference, it was agreed that Councillor Brickles, as ward member for Warton and Westby, will Chair the CLG meetings in January.</p>	
<p>11.</p>	<p>Any other business</p> <p>A discussion was had regarding the Community Benefit Fund, with David Kirkham highlighting the difficulty of identifying community projects that the Community Foundation for Lancashire could distribute money to. He noted that the projects need to be non-profit making and cited examples of projects that do not qualify, such as in relating to schools and nurseries.</p> <p>David Kirkham went onto suggest that the Community Benefit Fund needs to be publicised and promoted further to encourage applications for monies.</p> <p>Councillor Brickles suggested that projects further afield, such as in Blackpool, could seek to claim the money if it is not distributed locally.</p> <p>Mark Lappin encouraged attendees to research how monies from other projects, such as landfill or wind, had been distributed to community projects to provide inspirations regarding the types of incentives that could benefit from additional funds. During discussions, he suggested undertaking a gap analysis to identify where monies would be spent to maximum benefit.</p>	

Health & Safety Executive Update

The Health and Safety Executive (HSE) continue to inspect the weekly well operations report submitted by Cuadrilla and remains satisfied that they are fulfilling their regulatory duties.

HSE will continue to undertake site-based inspections and other interventions, where appropriate.

Questions & Answers

Please find below responses to additional questions raised by residents following the Community Liaison Group meeting on Monday, 12th November 2018.

16th November 2018

I am aware Cuadrilla is permitted to run equipment during the night. However, I have been contacted by residents regarding loud activity for 1 and half hours approximately last night (15/16 November). Could you provide clarification about this. Is this going to be a regular event. Even if it does not exceed the permitted noise levels it is non the less very disruptive.

Many thanks for your email. Please can we request more specific information relating to your enquiry so that we can investigate this further. For example, the exact time of the noise and what was heard.

18th November 2018

What was the siren that has just gone off at 13:04?

We can confirm that a muster drill was carried out around this time on Sunday to test our procedures.

19th November 2018

Couple of questions from Carr Bridge residents - don't know if the answers are available?

The tremors: At what point would Cuadrilla consider the wells are no longer worth progressing. At what point would Cuadrilla be forced to stop altogether. I know there are agreements in place but is the subject of tremors covered?

Can it be made clear to Cuadrilla with regard to the tremors in any future negotiations, with levels especially, that the houses on CBP are not built on foundations they are raised on jacks. We would suffer possible great damage should there be a substantial tremor.

With regards to earth tremors and the circumstances in which Cuadrilla's operations would cease, the 18 hour pause which follows an event of >0.5ml during pumping is currently set at an extremely precautionary level by the Oil & Gas Authority (OGA) as regulator of the Traffic Light System approved as part of our Hydraulic Fracture Plan (HFP).

The impact of earth tremors was covered by the HFP submitted to the OGA, which maps the geology of the ground surrounding our site. The OGA is continuously monitoring and ensuring that we're operating in accordance with the HFP. Following seismic events of 0.5 or greater, the OGA compares the location, magnitude and ground motion of these minor seismic events to Cuadrilla's HFP.

To date, the OGA has been satisfied that these events have all been in line with the geological understanding set out in the HFP and that the risk of induced seismicity is being appropriately managed. There is no evidence to support the claim that damage to buildings could occur now or in the future as a result of micro seismic events.

As background, anything registering between 0 and 2.0 on the Richter Scale is generally categorised as a micro seismic event, far below anything that could cause damage to property. On average, around 8,000 micro seismic events are detected in the world every day and very rarely reported in the news. These are truly tiny movements and without the sophisticated monitoring in place at Preston New Road, they would in all likelihood not be detected.

23rd November 2018

I am writing to make you aware of an alleged verbal attack on a young man as he waited at the bus stop on the A583 by one of your security guards. The incident occurred around 2.30 pm on Wednesday 21 November. The young man was threatened with violence and the security guard was ushered away by his colleagues into a vehicle. I believe a formal complaint has been made to the Police and SIA.

This is deeply troubling that security guards employed by Cuadrilla are allegedly making threats to members of the public on the highway. At CLG meetings Mr Lappin has been keen to stress that security guards are part of the team and therefore should behave in a professional manner.

I would be grateful if this matter could be raised with him directly.

Please could you provide a full description of the member of the security team in the alleged incident described?

28th November 2018

This is the guard identified to me as the perpetrator in the verbal abuse incident last week. I believe the person affected has made a report to police and SIA. He reported to me that the guard threatened violence and was ushered away by his colleagues.

Thank you for sharing these images. Do you have any further evidence of the alleged event, for example a video of the incident you have described?

28th November 2018

I have given you everything that was reported to me. The young man had been to the gates to protest and was waiting for a bus and wasn't livestreaming. I shall ask him to contact you directly.

4th December 2018

I will be unable to attend the next CLG due to a date clashing with an important Council Meeting, therefore I would be grateful if you could pass these questions to Mr Lappin. These have been raised by residents, online observers well as people at the gates. Thanks in advance

1) Is there any update regarding the issue with the security guard I raised on behalf of another person regarding a verbal assault on 21st November?

2) How many times has Cuadrilla met with Government Ministers in 2018

3) How many times have Cuadrilla met with the Shale Gas Commissioner n 2018

4) 21/11/18 18.10. PO68WXF with an empty trailer exited at speed. Police have told us that they have been taking action on poor driving, issuing official warnings to several rivers. Can Cuadrilla confirm they have also reiterated safety to their contractors?

5) What days will PNR be inactive over the festive season? I assume Christmas Day?

6) The AJ Lucas Chair issued a statement last week suggesting Cuadrilla would indeed be lobbying for a change to the seismic regulations

7) What is liquid Nitrogen used for?

Many thanks for your email. Please find below answers to your questions below.

1) Regarding the update on the alleged assault, we are waiting for more information to be sent to us by the individual in question. Whilst we are confident that our staff work in a respectable and courteous manner, we have spoken to staff at the company regarding this issue. However, until we find out more from the individual, we are unable to process this further.

2) We do not provide information about meetings held with external stakeholders.

3) See above.

4) We have examined CCTV footage and the driver did not exit at excessive speed and police have taken no action. The only example we have of a driver leaving at speed and police following this up was in October. Following the event, we contacted the supplier, informed them of the situation and requested that the driver was not used for operations involving our business in the future.

5) There will be staff on-site throughout the festive period, but work will be restricted to give workers time to spend with families and in-line with restrictions from regulators.

6) Cuadrilla has recently devoted time to examining data acquired from our operations at Preston New Road. As stated at the previous CLG meeting, it is our position that the Oil and Gas Authority deliberately set the limit low in order to re-assure the public, however the volume of media coverage has resulted in this not being the case.

7) Nitrogen is used to lift the column of water in the well above the reservoir and allow the gas to flow from the reservoir, into the well and to the surface.

11th December 2018

Given that there are reports that people in the offices at Whitehills not far from the 1.5ML heard a noise and the buildings shook, please can you confirm what size of melon the University of Liverpool used?

Thank you for your email. The studies undertaken by the University of Liverpool and the resulting comparisons provided are intended to give the public clear information about seismicity and its impact at the surface.