

9th February 2016

Committee Secretary Senate Select Committee on Unconventional Gas Mining  
PO Box 6100  
Parliament House  
Canberra ACT 2600  
[gasmining.sen@aph.gov.au](mailto:gasmining.sen@aph.gov.au)

Dear Committee Members,

My name is John Jenkyn and I reside at 3685 Chinchilla Tara Rd, Wieambilla QLD.

Firstly I would like to thank you for the opportunity to present my submission to the [long overdue] 'Select Committee on Unconventional Gas Mining'.

My submission shall touch on (collaboratively and in no particular order) the following Terms of Reference:

**A/ A national approach to the conduct of unconventional gas mining in Australia;**

**B/ The health, social, business, agricultural, environmental, landholder and economic impacts of unconventional gas mining;**

**C/ Government and non Government services and assistance for those affected;**

**J/ Any related matter;**

## OVERVIEW:

### **Regarding the necessity for a 'National Approach' to the conduct of unconventional gas mining in Australia:**

There has been a critical failure regarding the Commonwealth oversight of the approval of Coal Seam Gas projects in Queensland.

To date there has been a clear lack of real engagement, communication and information from Government regarding the true future impacts that Coal Seam Gas mining would have upon the health of our families, health, land, ecology, districts, existing local economies, communities and their social fabric. The lack of transparency surrounding the industry is outstanding.

The gas industry in the Surat Basin is earmarked to be relatively 'short-term' ie.20–30 years. The life expectancy of much of the infrastructure is 20–25 years. What lies ahead for our community once the gas resources are exhausted? At what cost to our health, environment and future? Where are the much touted royalties? We have already witnessed the recognised boom/bust cycle that accompanied this industry in Chinchilla and Miles. Winners and losers – evidently not many winners from my region.

The scale and footprint of the CSG and Unconventional Gas industry juggernaut is stupendous. It is earmarked to engulf and impact vast swathes of Australia. It poses detrimental risks to The Great Artesian Basin. Again, I reiterate that the clear lack of engagement, comprehensive and longitudinal baseline studies and factual information from Government to communities facing the CSG tsunami is evident. Government have granted this industry a false start.

It is incredible to know that QGC own property covering a minimum of 0.04% of Queensland. This figure does not take into account their infrastructure in our QLD State Forests and upon privately held land – nor does it take into account land that may be held by one of their many other company names or trusts.

Why has the government enabled this rapacious monster of an industry to advance at such breakneck speed, over the top of unprepared and unsuspecting communities? I question the veracity, the legality and diligence of the approvals process in its entirety.

In my opinion, given that the vast scale of the malignant Coal Seam and Unconventional Gas Industry is conducted upon what is largely freehold & privately held land, the omission of long-term comprehensive baseline, human / social impact studies, water studies and infrastructure placement is categorically negligent. The lack of real data along with seeming unfettered access to conduct CSG activities throughout our own State Forests without any solid oversight or penalties, is tantamount to intergenerational theft of State assets is it not? How is it that a multinational petroleum company is allowed to clear fell such immense tracts of land and habitat in our State Forests – leaving the clear felled trees piled up for hundreds of kilometres?

The self regulatory manner in which this hazardous industry is allowed to conduct business is not only risky but lends itself to corruption, concealment of environmental breaches and ‘cowboy’ tactics.

There has been an abject and ongoing failure of Government and associated agencies to respond to a plethora of complaints from myself and many of my fellow residents. This lack of responsibility and refusal to inform us ‘the sensitive receptors’ is not only inexcusable (given the enormity of the hazardous industry that has engulfed our homes and lives), but is surely in breach of governmental obligations to the wellbeing of residents of the Western Downs as citizens (again in my opinion).

Coal Seam and Unconventional Gas companies were permitted to secure overseas contracts for gas supply without full and comprehensive long-term impact assessments having been carried out. The secured contracts appear to have lent the gas industry incredible influence in pushing things through quickly without the logical & necessary social, environmental checks and balances. Well placement and infrastructure placement was not presented transparently or in detail. In fact the entire plan was realistically nothing more than a sketch – a mind fart so to speak. It beggars belief that an idea posing such risk to the people and land, flora and fauna of Australia has been shown such incredible facilitation and support by our Government.



## **Impacts of the Coal Seam Gas industry's industrialisation and invasion of QLD's Western Downs**

I have borne witness to and experienced countless impacts upon myself, my family and my community over the past ten years. These impacts include but are by no means limited to:

- Physical and mental impacts upon my own health and that of my family
- Degradation of our quality of life and our right to peaceful amenity
- The deterioration of and fragmentation of the once tight social fabric that helped form our rural community
- The theft of my family's ability to plan ahead. We no longer have the freedom of forward-looking decision making for our future
- The militant takeover and industrialisation of our rural region has impacted our town and our lives personally. The sea of white 4 wheel drives, utilities, dust and heavy machinery coupled with the masses of temporary workers (during construction phase) was nothing short of a military-like invasion.

- My family's lives are impacted immensely, in so many ways – we now consider ourselves 'virtual hostages' to the gas industry. Our way of life has been completely destroyed.

The industry's scars surround us as we traverse our formerly peaceful local area. A once social visit to town has become a dreaded venture. Virtually overnight Chinchilla became inundated with high visibility FIFO work shirts and a sea of unfamiliar (mainly male) faces. The safe, friendly, community minded nature of the town has vanished, socio demographics altered. Crime has escalated.

On multiple occasions I encountered (and photographed) a QGC vehicle occupying a disabled parking space in Chinchilla. Prior to the onslaught of the gas industry, this was not an issue. To be unable to source a disabled parking spot because an 'invaders' vehicle is occupying the spot is incredibly distressing, particularly when one has a quadriplegic son to unload from a vehicle. The arrogance of the gas industry and many of its workers is alarming. It appears, as many of the workers themselves have been heard saying to locals, '*They now own the town*'.

The lack of respect for locals was and is palpable. The odours, dust and health impacts that industry have brought to our door personally, now occupy our home, our air, our water, our bodies and our lives.

- The veiled way that the Land & Liaison Officers and QGC staff members deal with landholders (including myself) is nothing short of sneaky and manipulative. These people are standover merchants and hand picked for the job. We are pawns in their game. I am yet to meet a landholder who has genuinely enjoyed the experience of dealing with Origin or QGC. There is nothing earnest or honest about their dealings with the average landholder. The experiences paraded by the the 'trophy farmers' ie the heralded 'happy landholders' who are paid handsomely to peddle the industry is certainly NOT the experience of any resident who I've had discussions with.
- I personally have in secure storage, archive boxes full of paperwork pertaining to my dealings with government and industry. This is unjust. Landholders such as myself should not have to live their lives having to complete hundreds of complaint forms (to no end result),

nor should we have to spend hours and hours (totalling weeks of our lives) on the phone getting the 'run-around' from gutless government bureaucrats because of an 'industry' that has been (perhaps illegally) forced upon us without any right of reply from residents.

We should not have to live in daily fear for the wellbeing of our families, our health, our homes and our future.

- The knowledge of our government's unashamed lack of willingness to protect us, or at the very least conduct stringent & comprehensive longitudinal monitoring of our environment and our personal health, impacts me and my family mentally and without question, physically.
- The evident and prolific destruction of land and habitat impacts my soul and no doubt the ecosystems that sustain us all. The vast degradation stemming from the rise of the gas industry upon the land, air, water and fauna around us prevalent throughout our region – and covers hundreds and hundreds, and hundreds of kilometres. Ecosystems ARE impacted.
- We, the residents of the gas fields witness daily destruction of 'our home'. I have no doubt whatsoever that we are living with a current 'post traumatic stress disorder' (of sorts).

Our lives and the industrialisation of our home courtesy of the CSG industry, along with the governments seemed refusal to acknowledge and act upon impacts, breaches and complaints is inhumane, negligent and torturous.

- Fiscally the impacts are felt upon the value of one's residence. There is also the uncertainty that surrounds one's ability to sell a gas field property. Realistically, who in their right mind would want to invest or expose themselves to living in a full-scale petroleum factory? I would NEVER have bought my property had I known what lay ahead. NEVER would I have bought my property, knowing that it posed such a hazard to my family's wellbeing.

After ten years of improvements and mortgage payments, my property is currently worth far less than my existing mortgage. Essentially it is now worthless.

- The Condamine River and its tributaries is clearly impacted. There is no coincidence that since the increasing seeps/bubbling stretches have coincided with the rise of the gas industry and the depressurisation of the Walloons.
- Our creeks, our springs and dams are all suffering, they are impacted. To witness the deterioration of them, particularly over the past five years is devastating.

Nowadays (ie the past five or so years), the local creeks and waterways often appear to have algal blooms and or/oily sheens upon them. Some ephemeral creeks appear to sit at 'high tide' with a pea-soup like flow 365 days a year. The flow and water colour of the waterways around here has visibly changed since the gas industry's arrival and expansion. No longer do creeks look healthy, their water is more often than a very obscure colour, usually with a film of some sort on top.

I believe that the people of the Western Downs gas fields are lab rats and that we are part of an 'iron out the creases' experiment. Nowhere in the world (that I'm aware of) has the Coal Seam Gas industry been played out at such speed and under such circumstances. We are the only community that I'm aware of in Australia (if not the world) to have 'treated' Coal Seam Gas water added to our municipal town water supply.

In an incredibly short period of time and with limited notification, consultation and studies conducted, our town was overrun by an army of FIFO workers and pimps peddling the gas industry propaganda in order to dupe landholders into 'signing up'. House prices escalated for a few years. Boom / Bust. The construction phase, 'high labour' stage is over for now, the boom bubble has popped and left many investors and local contractors 'up the now Bubbling Condamine - minus a paddle'. There are an incredible number of vacant houses in town and I believe that motel rooms also show high vacancy rates.

The current, desperate 'rock-bottom' rental prices (bust period) have seen a changing demographic of resident moving into town.

## INTRODUCTION:

In 2005 my wife Jo and I were in search of a quiet country life. That year we bought and moved to our 155 acre rural property at Wieambilla on the Queensland Western Downs.

This area was chosen by us as it held all the qualities that we looked for in an Australian country lifestyle – it ticked all the boxes. Back then, the Chinchilla local area hosted a prosperous agricultural community and a healthy environment. At that time it was not commonly referred to or known as the “Surat Basin”, but rather the “Darling Downs”.

We looked very much forward to raising our two children (Aaron and Yasmin) there. We were keen to become part of the community. Another deciding factor in our selection of this area was its relatively close proximity to services available in Chinchilla/ Tara/ Dalby/ Brisbane/ Toowoomba/ Warwick). Wieambilla appeared to be a peaceful place in which to live and to care for our two children – who incidentally both have cerebral palsy (Aaron also has quadriplegia).

When we bought our property, our goals included raising a small herd of cattle, teaching our son Aaron how tractors and farm machinery operate and how crops grow. Another essential ‘box ticked’ was that our property housed a suitable sound buffer around it, minimising any neighbourhood noise. As mentioned earlier, Aaron has special needs (cerebral palsy quadriplegia) one of his issues is acute noise sensitivity so the fact that this property afforded him a sound buffer was crucial to us (both the Government and QGC/Origin Energy are aware of this). Aaron’s health suffered at our former Sunshine Coast home due to the daily urban neighbourhood noise that existed, hence we looked forward to our new ‘quiet country life’ and improved health for Aaron.

When we first moved to the Chinchilla area, we were not aware of any gas wells in our district. At the time of purchasing our property in 2005, we were certainly not told of the prolific industrialisation that lay ahead for our region – in fact a property search conducted at the time revealed nothing about gas fields or petroleum exploration licenses/authorities to prospect pertaining to our property. If we had known what we now know – would we have bought this property? Never.

Over the past eight or so years, our home has been surrounded by and inundated by 'new neighbours' – noisy, polluting, disrespectful and insidious neighbours.

Thousands of gas wells and associated infrastructure now impacts our lives and our region. Our region and locale is now home to (but not limited to):

Numerous enormous toxic brine and produced/waste water evaporation ponds; reverse osmosis plants and associated infrastructure; field compressor stations, processing facilities; turbines, generators, wells, separators, pipelines and vast tracts of clearing, drill rigs, high and low point vents & drains; FIFO man camps, fracking set-ups, flares, open air human effluent dumps and lay-down storage yards, pollution/smog, increased vehicular movements and a fractured community – the list goes on.

How quickly things changed and our lives were upturned. I have experienced the disappearance of our hopes for the 'Great Australian Dream'. We no longer have dreams for our future, our dream are in tatters, our health is impacted and our prospects are grim.

I shouldn't complain. In all honesty, a few years ago I was told by a QLD Government bureaucrat that the air around my home *'isn't too bad John, just the equivalent of smoking 5-6 cigarettes per day'*. A conservative, unquantified assertion perhaps? This should have set my mind at ease should it not? Never mind the fact that I am not a cigarette smoker and I do not wish to smoke the equivalent of 5-6 cigarettes per day. My right to clean air has been stolen.

### **Failure of Commonwealth oversight of the approval of Coal Seam Gas projects in Queensland**

It is the primary responsibility of the Commonwealth of Australia to keep its citizens safe and to strive to provide an environment whereby all Australians can lead a healthy, happy life free from fear and intimidation, with the ability to plan for a future.

With the introduction of the Coal Seam Gas industry in Queensland, it is my opinion that there has been a gross failing of Commonwealth oversight in allowing this industry to commence in Queensland because of the very serious, very real, negative impacts that this industry has caused upon me

and my family (under both current and previous governments).

**Lack of engagement, communication and information from government on future impacts that CSG (Coal Seam Gas) would have upon the health of our families, communities, districts, local economy and social fabric prior to commencement of industry and during industry activities:**

In the beginning of negotiations, we were told by Mr Ian Heiner (Acting Executive Director of Gasfields Commission QLD) that we **HAD** to negotiate with the Queensland Gas Corporation (QGC). We were told that we could not be worse off under any agreement with this particular company. I then proceeded to engage Shine Lawyers to help with negotiations. The \$40,000 plus bill that I received from Shines caused me enormous stress and angst. All this was brought about because of an industry steamrolled across the top of a trusting, unwitting and largely conservative community.

Despite my repeated questions, QGC have **never** told us what impacts there would be or what they planned or were planning to do in our area, then or in the future. They have completely avoided answering these questions.

On one occasion a few years back, Brett Smith of QGC assured us that our experience with *QGC 'may not be a big dollar earner, but that it would certainly be a Life Changing Experience'*. How right he was! The only honest dealing that I've had with QGC. Although he failed to mention that the 'Life changing experience' would be a devastating one.

To my awareness, besides from some scant and questionable (imo) noise testing/monitoring, QGC have not been back onto our property (although there have been instances whereby we've had quadcopter/drones hovering outside both my kitchen window and my daughter's window late at night. Other residents have also experienced this form of harassment and it has been witnessed by visitors. Security guards and workers often shine bright lights into the front of our property at night. I consider this harassment.

The government appears to apply a VERY limited scope of testing for noise and has not really indicated whether the levels recorded were safe. There appear to be no guidelines for residential ie. 24/7 x 365 days per year exposure to pollution, emissions and noise

As an aside, it is well known among residents here that on the very rare occasion that monitoring is conducted (by either industry or government), the offending infrastructure happens to be either turned down or turned off completely. I have documentation to show same.

I would like to know why (that on the rare occasion the QLD government have put out a token 'aldehyde' air test at my property) the samples are then sent to the UK/Great Britain for analysis? We have laboratories and technicians here who can perform /analyse these tests? It can take up to two weeks for a sample to reach the UK. Post test/analysis, why do EHP bureaucrats make it a marathon-like event for me to try to extract information pertaining to results of tests conducted on my very own property? Even then, I am not given access to or supplied the complete data . After repeated requests I am instead forwarded a written outline of the supposed report, largely lacking in detail and substance. Transparency and a willingness to thoroughly investigate our very real and numerous complaints is non-existent.

Existence here has been nothing short of hellish noise-wise since the gas industry kicked off, particularly for our son Aaron. We worry greatly about the impacts upon him. The incessant noise and low frequency vibrations that emanate from gas industry infrastructure 24/7 impact our daily lives. Both Aaron and Yasmin grind their teeth in their sleep in reaction to this. It is not uncommon for Aaron to be unable to sleep at all throughout the night, he lies awake moaning and laughing - which in turn causes sleeplessness for the entire household, not to mention weight loss for Aaron. We fear about the ramifications (health-wise) of taking Aaron outside in his wheelchair for some 'fresh, gas factory air'. As such, he spends a lot of time indoors. It would be fair to say that we now live a tortured existence.

Simone Marsh, as previous Senior Policy Officer at the Dept of Environment and Resource Management has publicly pointed out that no baseline studies were carried out nor baseline data provided to government prior to the approval of the Coal Seam Gas industry commencing in Queensland. Important information such as proposed well placement and location of other associated infrastructure along with potential cumulative impacts were also not included in the approvals process.

This (to me) appears completely negligent. Essentially, we the people of the Western Downs have been used as guinea pigs for a new, invasive, short-term industry that has literally steam-rolled across the top of our lives and land.

The Government's own, dare I say 'abysmal' 2013 health report recommended that Strategic Air Monitoring be implemented for this region. To this day, some three years later, this recommendation has not been activated.

What emissions are we exposed to on a daily basis? What emissions **HAVE** we been exposed to on a daily basis since the gas industry's construction phase began up until now? What emissions shall we be exposed to from today onwards? These are questions that haunt me day in, day out. As a man, as a husband and a father it is my duty to care for, provide for and ensure the safety of my family. The lack of transparency pertaining to the activities and impacts of this industry impedes my ability to be able to satisfactorily fulfil these obligations.

As a side note, a proposed frack sand mine only 8km from my home has recently sought approval for development. This would no doubt compound our already REAL risks of exposure to silicosis. Respirable Crystalline silica via dust and air - another 'gift' brought to our region via the gas industry.

Given that we are home environment is now surrounded by many of the industries in which respirable crystalline silica occurs (not to mention the silica particulates in the produced Coal Seam Gas water stored in the enormous evaporation ponds near my home), I am deeply concerned for my family's health.

*"Inhalation of respirable crystalline silica can cause silicosis, lung cancer, autoimmune disorders, kidney disease, and an increased risk of tuberculosis. In addition, silica exposure has been linked to other illnesses including renal disease and other cancers.*

*Exposure to respirable crystalline silica occurs in industries including quarrying, drilling, fracking, mining, mineral processing, grinding, stone crushing, foundry work, construction, roadworks, clearing, concrete, tunnelling and building.*

*In situations where the air is constantly stirred-up and where no fresh air is being introduced, respirable dust may remain airborne for days.”*

It beggars belief that the ONLY Government Health Assessment of our area titled: ***Coal Seam Gas in the Tara Region – Summary risk assessment of health complaints and environmental monitoring data*** March 2013 targeted such a limited area. In fact it targeted a very small area that at that time was not necessarily ‘on the front line of gas development in our area’. Given the enormity of the potential impacts upon residents health, WHY was such a limited report conducted and WHY wasn’t a far broader and more clearly exposed group of residents not studied – INTENSIVELY? In fact why did the study not include all residents of the Western Downs?

Since the publication of the 2013 Govt report, most of the residents included in same have been bought out by QGC, relocated and have signed ‘silence/ confidentiality agreements’.

**Random Question:** How are Workplace safety/exposure limits applied to residents (including children and the elderly) who are exposed 24/7 x 365 day per week when analysing exposure? I am unable to source information regarding acceptable exposure limits for residents living within a petroleum factory. This unknown factor concerns and impacts me.

The ***Coal Seam Gas in the Tara Region – Summary risk assessment of health complaints and environmental monitoring data*** March 2013 – *ERM report indicates that air monitoring was undertaken at the nine residential lots at various times during 11 to 19 July 2012. The properties were sampled on various dates with the outcome that air sampling occurred on seven different dates (11, 12, 13, 16, 17, 18 and 19 July 2012). No sampling was reported for 14 to 15 July 2012 which were weekend days. Thirteen air samples were collected. A single sample was collected at five properties with two samples at each of the remaining four properties. The sampling forms in the ERM report appear to indicate that the individual sampling periods ranged from just over seven hours to almost 22 hours. Four sampling periods were less than 12 hours. However, this level of detail is not summarised explicitly in the ERM report. At two properties there were both day time and night time samples. Sampling was undertaken with vacuum canisters. This method provides the average air concentration of analytes over the duration of the sampling period. It does not identify short-term peaks and troughs in air concentrations that may occur during the full sampling period for a particular sample. Sampling and analysis was done in accordance with the*

*relevant Australian Standard. The samples were submitted to SGS Leeder, a NATA (National Association of Testing Authorities)*

There have been no comprehensive follow up reports to the 2013 report. Instead (under the Campbell Newman Government) we were given a 1300 Health Line to call should we have any queries regarding health issues that may pertain to coal seam gas. I called this number on at least 14 occasions to no avail. I have spoken with many other residents who have shared similar experiences. The 1300 health line was government/industry propaganda, an insulting piecemeal attempt at publicly bandaging a virtual severed artery. It left us with a further sense of hopelessness, frustration and no means of addressing our concerns.

Oversight by QLD Health in terms of lack of engagement, response to queries (multiple) and reports submitted is inexcusable. For example: Dr Geralyn McCarron's in depth study dated April 2013 titled *'Symptomatology of a gas field An independent health survey in the Tara rural residential estates and environs'* revealed a high number of gas field residents whose health was being negatively impacted by living in a gas field.

The response and follow up by Government to this detailed study was abysmal, non existent in fact. It is now February 2016, some three years on and the industry has grown tenfold - but still we await the truth about emissions and impacts/exposure . The industry's seeming stronghold and ability to dictate terms and conditions to our government prevails.

It is my observation that the government has been complicit in the facilitation and rollout of the CSG industry from go to woe. No regard whatsoever has been shown for the flora, fauna, land, water, communities or residents of this region . The impacts upon the Great Artesian Basin have also been swept beneath the rug. How is it that such a relatively short-term industry, run by multinationals can determine the future of our lives and land? How is it that multinational petroleum companies are granted the right to jeopardise our life sustaining Great Artesian Basin?

There is blatant government oversight and complete lack of respect for the land and her people *'if you don't test for it, you won't find it'*.

**Example of failure of government and agencies to respond with integrity to complaints:**

We went to mediation with Mr Ian Heiner (the Acting Executive Director of Gasfields Commission Queensland) and repeatedly asked him the question, *"Is it safe" ie CSG activities in our area.* He refused to provide us with a satisfactory reply. It seems that no one in government or industry is willing to answer this question.

In fact despite asking countless government officials, including various Ministers and Shadow Ministers, *'Is it safe to live amid a gas factory'* ONLY one Government bureaucrat has provided an answer, Dr Penny Hutchinson.

We repeatedly asked in writing, **Dr Penny Hutchinson** (who happens to be head of the Darling Downs Public Health Unit and author of the March 2013 Govt Health Report: *Coal Seam Gas in the Tara Region – Summary risk assessment of health complaints and environmental monitoring data,* *'is it as safe to live here given the amount of petroleum based infrastructure that now surrounds us?'*

Dr Hutchinson's eventual response to my repeated question *'Do you consider this a safe environment for my family?'* and my mentioning of the countless wells and infrastructure that now surround us was:

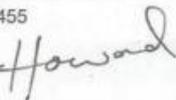
*'Based on the information that you have provided, I would have to conclude that apart from safety issues related to increased road traffic, the safety to your family would be similar to what it was when you first moved to the area in 2005'.*

**Imbalance of power in negotiations with CSG companies and removal of rights of speech or complaint with confidentiality agreements as part of the negotiations for a 'fair outcome':**

Despite repeated contact by us regarding our concerns, we have received no real assistance from the Queensland State Government. Our complaints fall on deaf ears and we are given the 'run around'. At various points in time, we have complained to:

DNRM; CSG Compliance Unit; DEHP; QGC; Western Downs Regional Council; Police; Hospital; the 1300 Health No; Shadow & Sitting Ministers to no avail.

Herewith copy of a letter (below) which shows a response from Hon Andrew Powell MP's office – November 2013, in response to Mr Howard Hobbs MP's letter to the Department of Environment and Heritage: (see following letter)

	<b>Hon Andrew Powell MP</b> Minister for Environment and Heritage Protection	<b>RECEIVED</b> 12 NOV 2013
		BY:.....
Ref CTS 24481/13		Level 13 400 George Street Brisbane 4000 GPO Box 2454 Brisbane Queensland 4001 Australia Telephone +61 7 3239 0844 Facsimile +61 7 3224 2496 Email <a href="mailto:environment@ministerial.qld.gov.au">environment@ministerial.qld.gov.au</a>
06 NOV 2013		
Mr Howard Hobbs MP Member for Warrego PO Box 945 ROMA QLD 4455		
Dear Mr Hobbs		
Thank you for your letter of 26 September 2013 concerning negotiations between your constituent, Mr John Jenkyn and QGC Pty Ltd.		
It is apparent from the information provided by Mr Jenkyn that he is in the process of negotiating an Alternative Arrangement Agreement in relation to noise impact from QGC's coal seam gas operations in the area.		
An Alternative Arrangement Agreement is a mechanism whereby a regulated company and a third party landowner who may be affected by the activity of the company, may come to a mutually satisfactory arrangement, without the intervention of government.		
In this case, the environmental authority (EA) issued by the Department of Environment and Heritage Protection (number EPPG00878413, formerly PEN100020207) to enable QGC to undertake coal seam gas operations, places restrictions on the allowable noise levels at sensitive receptors including residences. Where QGC believes it will not meet statutory noise limits it can seek to negotiate an Alternative Arrangement Agreement with an affected person and, in such an event, the specified activity may proceed in accordance with the terms of the alternative arrangement.		
An alternative arrangement removes the requirement for QGC to comply with the statutory noise limits, subject to the terms of the alternative arrangement. The department has no jurisdiction in relation to the negotiation of an alternative arrangement between Mr Jenkyn and QGC as it is an agreement between the two parties, not overseen by government.		
The list of questions Mr Jenkyn's legal representatives have put to QGC's representatives appear to be pursuant to negotiating the alternative agreement and, accordingly, the department has no jurisdiction to require or provide such information that is not publically available. A copy of the EA, referred to in point 1 of Mr Jenkyn's communication is available from the EHP's online public register at <a href="http://www.ehp.qld.gov.au/management/env-authorities/pdf/eppg00878413.pdf">www.ehp.qld.gov.au/management/env-authorities/pdf/eppg00878413.pdf</a> . I am advised that this information, together with a summary of the relevant noise conditions, has been previously supplied to Mr Jenkyn.		

The statutory noise limits contained in the EA will continue to apply unless Mr Jenkyn reaches an alternative arrangement with QGC. The department has conducted attended and unattended noise monitoring at Mr Jenkyn's residence in response to noise complaints from Mr Jenkyn and found that QGC's operations in the area did not exceed the allowable noise levels at Mr Jenkyn's residence. At the department's direction, QGC engaged professional acoustic consultants to assess in August 2011, June 2012, May 2013 and June 2013 noise emissions from QGC's activities at the Kenya gas processing facilities, Kenya project area and Upstream Infrastructure Corridor. While the results of these assessments identified that QGC's activities were in compliance with its EA noise limits, the company has implemented several administrative and technical measures aimed at minimising the potential for its activities to cause a noise nuisance. QGC has indicated that it attempted to obtain Mr Jenkyn's agreement for the provision of noise attenuation measures at his residence, but the proposed measures were not acceptable to Mr Jenkyn.

As the department does not believe an alternative agreement has yet been made, the noise limits on QGC remain in force, and if breaches of noise limits are suspected, a complaint may be made to the department's Pollution Hotline Unit on 1300 130 372.

Should Mr Jenkyn be unsatisfied with the progress in negotiating an agreement, the Queensland Government may offer mediation assistance through contact with the Department of Natural Resources and Mines' Coal Seam Gas Compliance Unit (CSGCU), or the Department of Justice and Attorney-General's dispute resolution and mediation services.

I understand that CSGCU has already engaged in mediation activities around this issue and should you require any further details, please contact Mr Ian Heiner, Acting Executive Director of CSGCU on 4529 1295.

Further information on the Department of Justice and Attorney-General's dispute resolution and mediation services is available at [www.qld.gov.au/law/legal-mediation-and-justice-of-the-peace](http://www.qld.gov.au/law/legal-mediation-and-justice-of-the-peace).

I hope this information is of assistance when replying to your constituent. Should you have any further enquiries, please contact

Yours sincerely

**ANDREW POWELL MP**  
Minister for Environment and Heritage Protection

According to the gas industry's own admission, my family is now enduring life amid a fully blown gas field. We now officially live in a Gas Factory.

Refer link:

[http://gastoday.com.au/news/shifting\\_to\\_the\\_gas\\_factory\\_model\\_and\\_getting\\_it\\_right/088680/](http://gastoday.com.au/news/shifting_to_the_gas_factory_model_and_getting_it_right/088680/)

By all accounts, my wife and I felt completely powerless throughout our attempted negotiations with QGC. The tactics employed by QGC personnel were supported by a complete lack of support from government staff (ie Gasfields Commission QLD, DNRM, CSG Compliance Unit, DEHPP, the local Western Downs Regional Council, the QLD Police and local hospitals). QGC are a multinational business, they operate from a business perspective and hence their ruthless, calculating ways do not take into account the impacts that they are having upon residents and our environment. Desktop studies are not necessary reality. QGC seem to enjoy to manipulating their victims into a situation whereby the landholder is pushed to breaking point.

**The gas industry propaganda train is mind blowing.** They deploy age old, tried and true tactics, wartime political-type propaganda.

My family chose to attend one 'industry sponsored event' in Tara, with the aim of educating ourselves on the prolific 'divide and conquer' tactics employed by the gas industry throughout the community.

Events sponsored by the gas industry were/are commonplace. The gas companies use their sponsorship dollars to sure up local support. They prey on cash-strapped sporting teams and local clubs, it is amazing what credibility money can buy. My observations are that the propaganda techniques employed are not dissimilar to the methods used by the tobacco companies or in war-time in order to sure up votes. *By using social scientists from an array of disciplines and across many countries, and by spreading their messages to the public through a wide variety of media over extended periods of time, the industry effectively created a "chorus" of seemingly authoritative voices from respected institutions around the world spreading damaging arguments designed to benefit the tobacco companies and disadvantage public health.* **Tobacco industry sociological programs to influence public beliefs about smoking** by [Dr. Stanton Glantz](#), [Anne Landman](#), and [Daniel K Cortese](#), PHD) )  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267871/>

Industry 'fact sheets' are often simplistic and lacking in detail. For example I refer to the cake layer 'cartoon' images used by industry (and government) to illustrate the geology. The geology of our region is far from simplistic, quite the contrary in fact. The repeated use of these child-like images does not reveal the truth about what is occurring down below. Absent is such thing as the natural fissures and detail that provide potential migratory pathways for emissions. The 'try it and see' approach to most aspects of the industry is

fraught with danger in my opinion.

It appears that QGC would sponsor 'the opening of an envelope' in order to buy street credibility with locals. Vote buying. They prey on the short-sighted nature of most. The gas industry practise of 'winning the community over' in order to push their agenda is transparent and somewhat sinister in my opinion. Sponsorship and deals with landholders are colloquially known by industry as an 'attitude adjustment' fund.

It seems harder than ever to obtain community health personnel to come out to our property to help with our health concerns. My calls are more often than not unreturned. It appears that medical staff need to refer to Dr Penny Hutchinson in order to respond to my queries for blood tests or any other health matter related to Coal Seam Gas. Often we are told to call the 1300Health number who then tells us to present at the local hospital, and upon doing that, we are then told that there is nothing that they can do for us because it is 'Coal Seam Gas' related (that dirty word).

This leads to a feeling of complete frustration, despondency and worry. What sort of a man am I if I am unable to secure adequate medical answers, tests and assistance for my family? It upsets me greatly to see my family suffering at the hands of the gas industry and the negligence of the QLD government.

I have good reason to believe that the CSG enforcement unit was telling the EHP not to act or investigate my complaints because I was (at the time) negotiating with QGC (for noise exceedances & complaints). Consequently our complaints during the (unsuccessful) negotiation process were not responded to.

We were asking for a written guarantee that it would be safe to live here. This in itself should NOT have negated our rights to have government oversight for our own protection. **The request for a written guarantee of our safety was some five years ago. We have never received a response.**

## **Allowing businesses to lock in overseas contracts for Coal Seam Gas / Unconventional Gas before full and comprehensive impact assessments were conducted**

I believe it to be a gross failing of Commonwealth oversight in allowing the QLD State Government to give approvals to overseas gas companies and to lock in contracts for gas sales with said companies prior to any risk assessments or impact studies being done on the people and communities living in the areas that were to be industrialised for gas extraction. The gas was sold offshore before it was extracted and before any appropriate assessments were conducted. It was sold off and licenses over our land were issued without any consultation with the community. The appropriate assessments have still not been done.

There are many people in the community (including myself) who feel that our government has failed us enormously in its 'duty of care' by allowing this unforgiving, rapacious industry to run 'carte blanche' at huge economic, social and environmental costs over the top of people such as myself and my family.

## **Impacts of the Coal Seam Gas industry's industrialisation of Chinchilla and surrounds**

### ***Individual and family impacts upon me and my family.***

The standout impact for me personally is my wife Jo's health.

Jo has suffered from depression over the past five or so years. Nowadays Jo spends most days on the couch. There is no longer any point for her to go outside to tend her beloved garden as it has long since died.

Things have worsened since Jo's third breakdown and subsequent asthma induced heart attack which 'coincidentally' occurred on the back of the ongoing stresses associated with QGC negotiations and the constant barrage of dust and bugs that invaded our home night and day 24/7 whilst Murphy Pipe and Civil carried out major pipeline construction next door to our property. Immediately prior to Jo's asthma induced heart attack, the dust was so dense that at the time that we were unable to see further than 1.5m from our kitchen window. The heart attack followed hot on the heels of two years of constant sleep deprivation thanks to gas field construction - not to

mention the accompanying odours and tastes brought about by the intensive and invasive petroleum development that had engulfed our home.

Not long after coming home from hospital, Jo had an angina attack. She has since lost any real joy of life and is a virtual prisoner in our 'gas factory' home.

I have lost a lot of weight having to 'pick up the slack' and maintain the home. Cooking, cleaning, caring and work has seen me run ragged with a number of health complaints. In a twelve month period we visited the doctor at least 35 times.

My son Aaron loses weight when he is kept awake all night. I am very worried for him as he is suffering greatly.

A common complaint that my family now has is sore eyes. Our eyes sometimes water to the point whereby it is difficult to see. On other times they are dry and itchy. We regularly buy and apply eyedrops to 'lubricate' our eyes.

When the breeze is blowing from the north and the west (which is an almost daily occurrence) my family and I experience:

A constant acidic/metallic/sour taste in our mouths. I can only liken it to the taste incurred when one touches a copper pipe or handles some old 2 cent pieces and then your finger makes contact with your mouth.

Other symptoms include itchy, burning eyes (sometimes watery, sometimes dry), a waxy (ever eaten a cold sausage roll?) type film and tingly sensation in our mouths.

A tingly /burning sensation in the back of our throats

Mild and chronic headaches

Dizziness and nosebleeds

Unexplainable skin rashes

I was completely knocked out cold once and then transported by ambulance to Tara Hospital (where no investigation was carried out). I have also passed

out on three other occasions at my back doorstep with no real explanation other than 'something in the air'.

Generally these days, we are unable to breathe freely through our noses – our ability to smell subtle odours has diminished but we are able to detect stronger odours

- Ear aches
- Numbness of arms
- Sores that take an unusually long time to heal
- Tinnitus
- Severe discharge from ears
- Asthma seizures
- Nausea
- Vomiting
- Dizziness
- Hair loss
- Nervous breakdown (as described above)
- Respiratory/Breathing difficulties
- Heart attacks (mentioned above)
- Depression
- A constant state of anxiety
- Stress
- Lethargy

Until a few years ago, I used to lightly dangle a teabag in my cup of tea (for colour more than anything else), nowadays I put up to three teabags in a cup in order to taste the tea – so diminished is my sense of taste for identifying subtle flavours.

On multiple occasions I have asked Dr Penny Hutchinson (Director of Darling Downs Public Health Unit (and seeming overseer for CSG related health complaints) for comprehensive blood tests to be carried out on my family. She told me that the health budget couldn't afford such tests. I feel that I have a right to know what we are being exposed 24/7. I feel angry that our health concerns have been disregarded. We are guinea pigs. Comprehensive blood and urine tests should have been conducted from the get go.

My daughter Yasmin loves photography and was an avid wildlife photographer, she gave up her daily physio and stopped her regular walking when most of the native animals disappeared and there was nothing much left to photograph asides from ants. We have lots of ants.

My son Aaron had a seizure type episode after being outside in his electric wheelchair. Needless to say, no further training in it outdoors at home as we are fearful of a reoccurrence. What exactly is in the atmosphere surrounding our home?

We have a 'hydrotherapy pool' for Aaron. Aaron has not been in that pool because no one will give us a WRITTEN guarantee that it would be safe (the water/the air). Without his therapy, sitting problems and constipation arise.

There has not been much enjoyment here in the past five to six years. Asides from Dr Penny Hutchinson, no one will categorically tell us that it is still a safe, healthy environment in which to live.

What are we to do should there be a major gas leak?

What are we to do should there be a bushfire in our 'Wieambilla Gas Factory' home?

Are there evacuation plans for residents? I've certainly not seen them, nor have any other residents that I've spoken with.

We are sitting ducks. Can you imagine how it feels to have had your peaceful country life turned into a dusty, polluted petroleum/gas factory.

The benefits of country life are no longer evident for us.

With no consultation whatsoever, we are forced to live, breathe and absorb all that the gas factory has to offer with no assurances at all for the present and long-term safety of my family.

### **Deterioration of social fabric within the community**

There has been a notable breakdown in the social fabric of our area. Some people have moved away – ‘escaped the gas factory’, others have fled with nothing – feeling it easier / safer to leave their abodes and mortgages than to be subjected to life in the gas factory. Properties in my area are largely unsaleable. Would you like to borrow money to purchase a 155 acre property surrounded by the gas industry offering such an uncertain lifestyle?

Some residents have been bought out by QGC or Origin Energy. The preferred method of ‘doing a deal’ is quite literally done ‘on the side of the road’. I have experienced this myself in interactions with several QGC employees. The gas companies prefer to talk ‘off record’ and don’t like to put things in writing.

Word on the street has it that ‘gag money’ (to silence bought out landholders from speaking out about the truth of their experiences) is paid/ filtered to landholders via such means as Paypal accounts. I am not sure whether this is true but certainly the methods of engagement with individual residents and the gas companies is far from transparent and ‘above board’.

The negotiations and fear tactics employed by the gas companies pit neighbour against neighbour. It is a war of attrition. Unfortunately we, the residents and our flora/fauna/land/water/air are the casualties, the ‘collateral damage’.

Once a landholder signs a ‘confidentiality agreement’, they are generally not allowed to discuss what is going on with their property. We have lost many friends and neighbourhood contacts because of this (confidentiality clauses). We do not see most neighbours since QGC contracts were signed and we were actually TOLD to no longer visit one neighbour. Others stop ringing or talking freely, even avoiding us in the street for fear of being asked questions I guess? If we had signed the agreement that QGC offered us, it was so restrictive that we would not have even been able to have government therapists come here without having them sign an agreement, stopping them

from repeating anything of which they saw, heard or smelled here – this would have applied to regular visitors too.

### **Inability to plan ahead**

We have no choice but to endure gas factory life. Either that or we walk away with nothing. Then where do we go? Again, Aaron's noise sensitivity is an issue so it's not as simple as 'move into town'.

No one has been able to tell us what impacts our exposure within this environment is having upon our health. The QLD Government have refused to implement comprehensive air monitoring throughout the gas fields. The QLD government also refuse to conduct regular blood and urine tests on gas field residents.

We relocated to the country to offer our children a better quality of life, for peace, quiet and to live the 'great Australian Dream'. Instead our dream has turned into a real-life nightmare.

### **Environmental impacts**

About 5mm of rain fell one afternoon and the following day most of the plants in our garden that were not protected by the house were either dead or dying. Jo was devastated, she had created and nurtured that garden).

There were dead toads here and there too. Later on that day, I turned the sprinklers on from the dam – and I found that after a week of watering, it had killed almost everything that the rain had missed.

We **used** to have yabbies in our dam. For a period of some two years, prior to and during the construction phase of the Kenya Reverse Osmosis plant, we had tankers dumping (what we suspect to be raw, untreated coal seam gas water) on the bitumen road outside our house – this was done under the guise of 'dust suppressant' – dust suppressant on a bitumen sealed road? I have photographs and video of this being carried out. This continued night and day. When it rains, the run off from Chinchilla Tara Rd feeds into our dam. After a decent rain event a few years back, I noticed the yabbies leaving our dam, I put them back in. They all died. (See photo below for reference)

QGC said that they would test our dam some years back – but they never have.

*Image of yabbies dead on the bank of a dam not far from our home. The oily film on the dam was the same as the film on our home dam at the time that our yabbies died. This prompted me to pull over and have a look at it. I then saw the dead yabbies and took this photo. I wonder whether the formaldehyde fallout that we are exposed to has caused or contributed to this type of event?*



We are impacted 24/7 with emissions from gas field related infrastructure and activities but there is still no permanent air monitoring.

When it rains, a substance comes down onto our roof and vehicles, coating everything in a light coloured powder. I once had the unusual substance that coats one of my rainwater tested, it came back as being cadmium. This particular tank is a reasonably new plastic rainwater tank and sits out in the open not far from my house.

*Here is a photograph showing the substance tested as cadmium that coats one of my rainwater tanks. Note that this tank is out in the open, exposed to the atmospheric conditions.*



Enormous gas flares became evident in our area around September 2014. The length and breadth of this industry requires intensive venting (of which the emissions are not visible to the naked eye).

We have not been told of the air pollutants coming from the various sources of emissions. Our night sky is now regularly aglow – orange from the flares. Often the air here itself appears a smoggy colour. On cloudy nights, the impacts of the intensive flaring and venting are evident. The inversion layer seems to hold down all the emissions upon us like a blanket.

*Here is a photograph that I took of our night sky during a heavy flaring period. The sky would ordinarily be black, perhaps with stars visible. When they are flaring, it looks like someone has turned the sky orange and our sinuses /noses begin to run.*



Nine Mile Creek (which flanks the QGC Kenya facility) is often a very odd, gunky shade of green, as is nearby Wieambilla Creek. Many of the dams and waterways have thick algal, oily type films over them.

*Here is a photograph of Nine Mile Creek flooding (and flowing) after a recent rain event.*



*Here is a photograph of the Nine Mile Creek taken just 3 days later.*

*Note the green film and colour of the water. Remember that this creek is situated in the heart of the gas factory and subject to discharge and run off from industry.*



Over the past five or so years, I regularly see dead crows on the side of the road between Moonie and home. Where else does one see dead crows as commonplace? Why are they dying? The once abundant variety of birds that existed here are long gone. Habit fragmentation coupled with such huge areas of clearing has put paid to them I'd say.

Since gas came to our area, the amount of rubbish that litters our roadsides is dense and impossible to not notice. It lines the roads most used by gas factory workers for kilometres upon kilometres.

Two of the most commonly seen discarded litter items are flavoured milk bottles and empty energy drink cans such as 'Red Bull' etc. Thousands of these vessels now line the gas field roads. Our roads were litter-free prior to the invasion of FIFO workers.

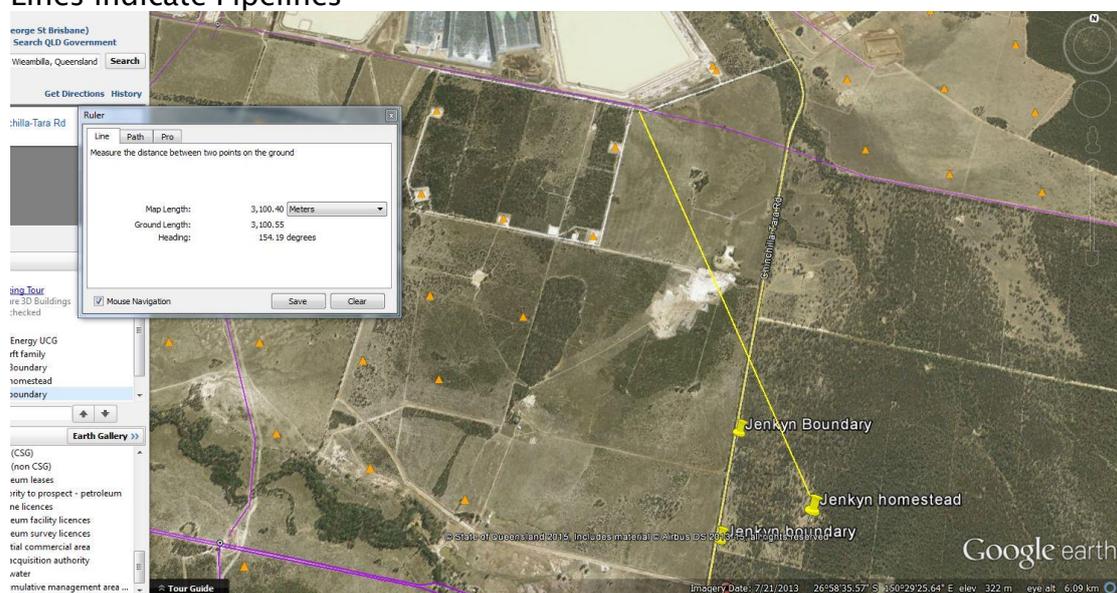
*Here is an example of how our roads appear these days.*



*Herewith some 'Google Earth' images of my now 'gas factory home' and its surrounds. Please note that imagery is outdated at 2013 – I was unable to access current images.*

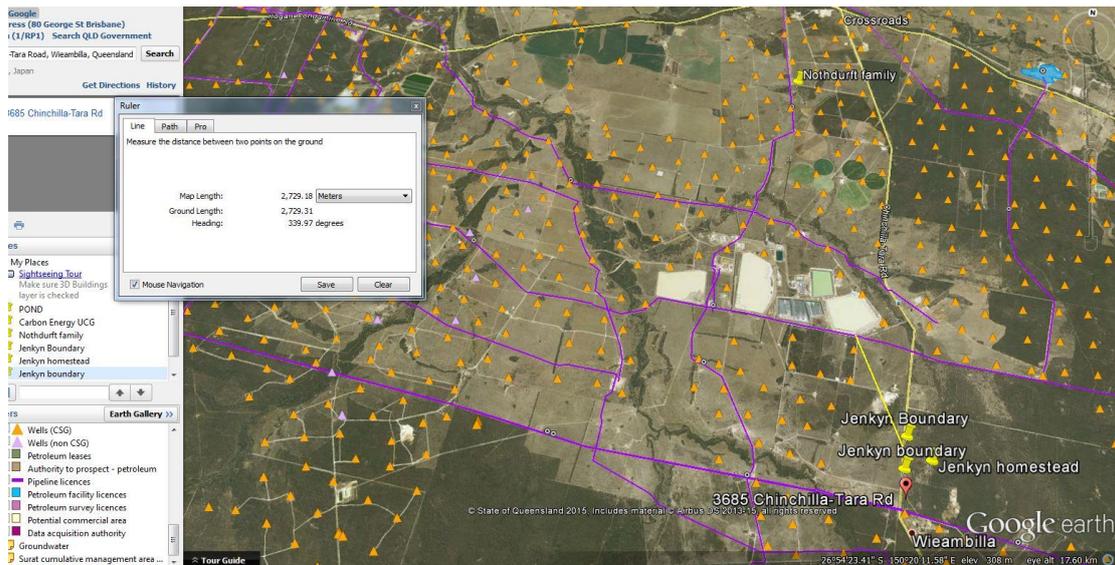
Distance from my family home to nearest Kenya CSG produced water and brine ponds is just over 3km

Triangles indicate Gas Wells  
Lines indicate Pipelines



Distance from my northern boundary to the Kenya CSG produced water and brine ponds is just 2.7km

Triangles indicate Gas Wells  
Lines indicate Pipelines

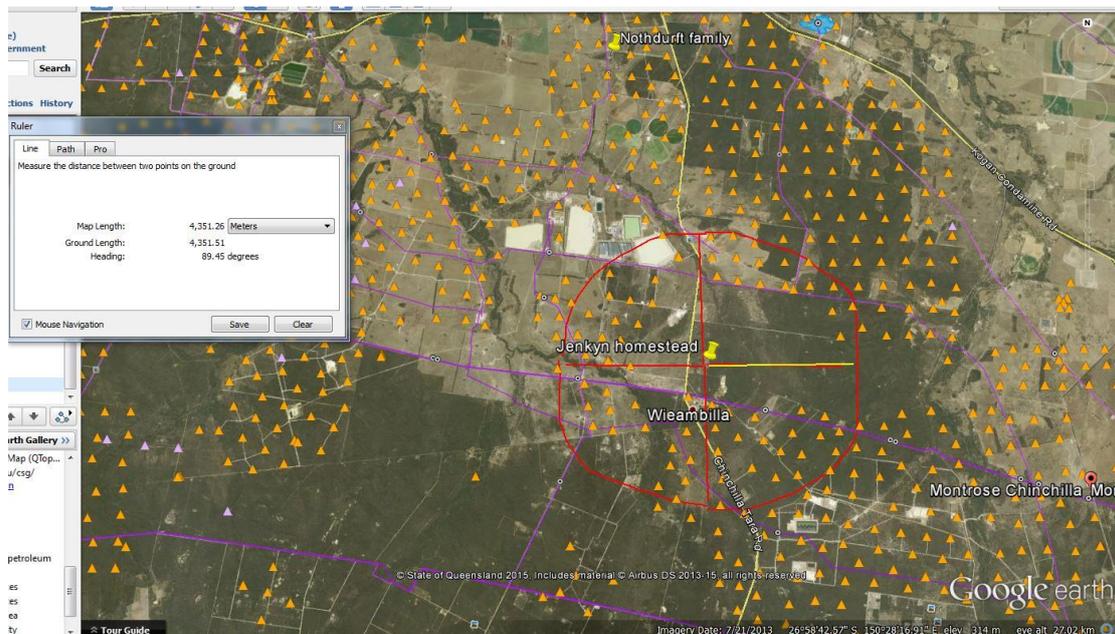


Outdated 2013 Aerial image of my home and property showing some of the surrounding infrastructure, pipelines and wells

Triangles indicate Gas Wells  
 Lines indicate Pipelines



There are now approximately 78 CSG wells within a 4.35km radius of my family home – with many more planned directly across the road from my front boundary



The term 'Evaporation Ponds' was banned in QLD in 2010. Curiously, these exact same hazardous ponds are now labelled 'Storage facilities'. Their re-branding brought about no technical difference to their function, with evaporation remaining the end result to this day, and the detriment of me and my family.

A rough underestimate of complete storage capacity at QGC's toxic Kenya ponds 3km from my home sits at some 25,000 megalitres (that is 25,000 x million litres) of toxic, hazardous water, condensate and brine. The original evaporation ponds carried 10,705 megalitres but capacity on this site has at least doubled since the approval of the massive Reverse Osmosis facility. Workers there wear hazmat suits to change filters.

To no end, I have aired my concerns regarding exposure and our proximity to these ponds on many occasions to various Government Departments

Given the fact that my family home is situated just over 3km from the QGC Kenya Plant and associated ponds, I am terribly worried about the impacts and exposure that we have incurred (and continue to incur) dermal, our rain water and respiratory / atmospheric exposure from emissions via the ponds, processing facilities, flares, wells, vents, pipelines, earthworks, drilling and compressor stations.

The prevailing wind direction (of N-NW-W) blow toward my home from the compressor station and flares (minimum 8 flares) over the top of the toxic ponds directly to my home. Given the high content of silica particulates and

other carcinogenic nasties in Coal Seam Gas water, I am very worried about what we are being exposed to. The Government refuse point blank to rigorously investigate my many complaints.

It is common knowledge that there are numerous risks associated with open ponds of this type. Risks can include but are not limited to: potential for overflow and overland contamination during rain from these ponds. The inadequate lining (only 2mm thick in most instances) could allow seepage of waste water into the soil. In fact some of the huge brine ponds at Kenya are unlined.

Another issue is the disposal of the 'salts' from the produced toxic water. \$20 million was spent trying to turn the salts into a commercially viable product, it has been proven unviable. Therefore we now face the prospect of Dry Tombs to house many tonnes of salt (salt storage cells) going into landfill some 2.5km from our home sometime later this year. Due to the hazardous nature of these enormous amounts of salts, the 'dry tombs' will have to be re-mined in the not too distant future.

Given that we are 'sensitive receptors', again, no consultation with me or my wife.

The industry is only in its infancy - I cannot bear to imagine the devastation that lies ahead as it expands.

Unlike industry workers who come and go on shift, my family lives amid this unknown gas factory environment 24/7 x 365 days per year. I can assure you that it is not a pleasant experience.

### **Summary:**

My submission may lack the relevant scientific material to substantiate much of what I have stated - but my family's personal experience of living amidst what is essentially an 'experiment' for the past ten and a half years should not be dismissed. We endure 'gas factory' existence day in, day out.

I invite and welcome anyone sitting on this committee to come to my home and spend a week there. I welcome you experience the atmospheric and noise pollution that we now endure. Perhaps such an experience could gain you some real insight into why my family's lives have been destroyed.

*To walk a mile in another mans shoes.*

You will see that I have added links to three important clips made by a local gas factory resident, David Monk. I ask you to watch each of these in their entirety. These clips summarise much of what I have said. The FLIR footage clip shows a brief glimpse at some of the emissions being dispensed not far from my home. These emissions are not visible to the naked eye, but we are being impacted by them.

I ask you all, *“What will we leave our children?”* “Is it safe for my family to live in the gas factory?” “What have we been exposed to already during the construction phase”?

As a proud Australian, I'd not wish this industry upon anyone. Finally, I have included a truncated timeline outlining some of my family's diary excerpts. I encourage you to read this carefully as this overview highlights and shows some of our interactions with the Coal Seam Gas industry and various Government departments over the past decade. It also brushes on the issues and changes that we have experienced since our move to Wieambilla.

I thank you kindly for your time.

Regards

John Jenkyn

**Coal Seam Gas – Ground Truth's:**

<https://www.youtube.com/watch?v=CdbX77jUBfU>

**Signing Your Life Away to Coal Seam Gas:**

*A brave Queensland farmer stands up and says what so many impacted landowners are experiencing, that co-existence with coal seam gas companies is not possible.*

*NB Since the airing of this clip, the landholder (who lived directly across the road from the Origin Energy Orana facility) has been bought out by Origin Energy.*

<https://www.youtube.com/watch?v=Jk5zDQ-rMa0>

### **A Flirs Eye View of Coal Seam Gas Venting**

The things we can't see are sometimes the most dangerous. The CSG companies and governments DO NOT want us to [see or know about these emissions]

<https://www.youtube.com/watch?v=xzMSUufp5ek>

*Following is a 'truncated timeline' showing some of the Jenkyn family's interactions with government bureaucrats and the Coal Seam Gas industry.*

*What the timeline reveals is a systematic avoidance of carrying out any genuine health assessments or rigorous environmental testing:*

Date	Basic Information	Further Comments	Support
2000	Robert Bryan forms QGC – Queensland Gas Company	Robert Bryans personal donations to the LNP for the period 1999-2000 = \$20,000. He made donations totalling \$36,500 in the period between 1999 and 2006 – during which time he was establishing QGC. (Wife also donated)	<a href="http://periodicdisclosures.aec.gov.au/Donor.aspx?SubmissionID=3&amp;ClientID=16686">http://periodicdisclosures.aec.gov.au/Donor.aspx?SubmissionID=3&amp;ClientID=16686</a>
Aug-Sept 2005	John and Jo Purchase property on Tara-Chinchilla Road.	No disclosure of CSG tenements was made by vendor to Jenkyn's on purchase	
Jan 2006	Commercial production of CSG from the Jurassic Walloon Coal Measures of the Surat Basin began in January 2006 from the Kogan North CSG area west of Dalby.	Surat Basin CSG gas was first used to supply the Swanbank E gas-fired power station near Ipswich in southeast Queensland	<a href="https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf">https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf</a>
May 2006	This was followed in May 2006 by production from the Berwyndale South CSG area, southwest of Chinchilla. CSG is also currently produced from several areas between Dalby and Chinchilla	Gas supplied into domestic market (above). Coals in the Surat Basin were not as deeply buried as those in the Bowen Basin and therefore are less thermally mature, with generally lower gas contents	<a href="https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf">https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf</a>
21/06/06	Exploratory Drilling commenced near John and Jo's home included QGC's Codie 18 well to the south west	Rig release date	Qld Globe
04/11/06	Kenya East 2 drilled 3km east of Jenkyn's home	Rig release date	Qld Globe
2006-2007	John recalls phone calls to "Leisa" @ QGC re drilling rig noise and being told by her that there was "no drilling in the area".	Information on Qld Globe shows that this advice is incorrect and that there is in fact drilling activity in the vicinity.	Conversation not recorded in diary
11/04/08	QGC Managing Director <b>Richard Cottee</b> , in India on a trade mission with Queensland <b>Premier Anna Bligh</b> for meetings with <b>BG Group</b> executives in Mumbai	QGC and BG Group are working on a joint commitment for the annual export of 3-4 million tonnes of liquefied natural gas (LNG) from an LNG plant proposed to be built near Gladstone on the Central Queensland coast.	<a href="http://www.abnnewswire.net/press/en/50202/Queensland_Gas_Company_%28ASX:QGC%29_And_BG_Group_%28ISE:BG%29_Complete_A664M_LNG_Transaction.html">http://www.abnnewswire.net/press/en/50202/Queensland_Gas_Company_%28ASX:QGC%29_And_BG_Group_%28ISE:BG%29_Complete_A664M_LNG_Transaction.html</a>
02/12/08	Jo suffers a nervous breakdown	Hospitalised	
13/09/09	Kate 5 well rig release date	Approx. 6 km south of Jenkyn's property	Qld Globe

23/09/09 Sept 2008	Kate 4 well rig release date Codie 16 drilled	Approx. 5km south of Jenkyn's property Approx. 17 km south west of Jenkyn's property (noted here because this is the location of the first protest against the industry)	Qld Globe Qld Globe
June 2009 July 2009	Codie 21 & 19 drilled Codie 20 drilled	" "	Qld Globe Qld Globe
2008-2009	Residents of roads surrounding the Codie 16, 19, 20 & 21. Pilot Well cluster begin complaining of various health issues (Fairview Estate – South west of Jenkyn's home)	<b>QGC illegally dumped produced water and drill flow back on the roads in the immediate area surrounding this pilot (Butterfly, Bellbird, Daybreak Roads).</b> The contaminants became airborne in dust and impacted via water tanks, direct skin contact, inhalation etc. A range of symptoms were repeatedly reported to the govt. Brown oily substances were reported in creek and trucks were seen discharging contaminated water on roads. The tyres of a vehicle driving through this water turned blue. The water was not tested before disposal onto roads. Anna Bligh allegedly instructed John Bradley to "deal with the problem". There was a phone hookup that included MB, Drew Hutton and (?). A policeman by the last name of Barry and an investigator named Deborah Cole were sent out to "investigate". MB contacted Deb Cole in 2012 (4 years later) to find out the results of the "investigation" as nothing was reported back to residents. She told him, off record, that it was just a time wasting exercise to make it look like the govt was "doing something". They were sent to put on a "big show" (MB)	<b>Nb. According to industry whistle-blower Simone Marsh – "...contaminated land liability associated with CSG-LNG is neither included in financial estimates (for project approvals) nor disclosed in financial accounting. There does not appear to be evidence of any accounting for the vast areas of actual or potential environmental harm."</b>
21/01/09	Kate 3 well rig release date.	Approx. 6 km south of Jenkyn's property	Qld Globe
02/02/09	Kate 2 rig release date	Approx. 6 km south of Jenkyn's property	Qld Globe
26/02/09	Kenya East 10	Approx. 4 km south of Jenkyn's property	Qld Globe
Mar 2009	A community group forms in the Estates to the south of the Jenkyn's property, to raise awareness of what was happening	Residents impacted by the land dumping (mentioned above) from the Codie pilot wells form a group to raise awareness of illegal dumping.	
27/03/09	<b>QGC clear Lot 10 only 800 metres to the South of Jenkyn's home</b>	QGC had equipped the water bore well head to produce fresh water for use in operations. The generator started running 24/7. Very noisy. Also, other noises are noted that John thinks are drill rigs	Diary

02/06/09 1/08/09	Rig release date – Codie 20 John makes noise related complaint	Code 5 well pilot drilled around this time. John complained to a QGC/BG employee named "Leisa" (per phone) re noise from a drilling rig in the vicinity "Leisa" denied QGC were doing any drilling. Mob. 0427058112 or Ph. 074 6726738?	Qld Globe John has noted in diary that this is approx. date that "noise @ pond started" – other noise (drilling/vehicular/clearing etc) had been ongoing
Aug/Sep 09	Jo's diary notes are poignant, she notes 'they have snuck in overnight'	And drilled a well approx 650m away. Set up a camp, generators, pumps, vehicular movements 24/7. She reflects on the formerly clean roads, orange and blue clad workers everywhere. Noise 24/7 for 2 years now, changing landscape... loss and uncertainty. Flares like 'really big' Bunsen burners. They watch in intrigue and fear.	Diary
02/09/09	Approx. date that QGC started building water treatment ponds and noise became a major issue	At this stage, the family were unaware they had any capacity to complain about noise issues or, indeed, to complain about the industry operations in general.	
2009-2010	National Pollution Inventory self-reporting by QGC Kenya Processing Plant and Compressor stations (ATP620)	Air point emission only: Carbon monoxide: 18,000kg Oxides of Nitrogen: 68,000kg Particulate Matter 10.0 um: 2,100kg Particulate Matter 2.5 um: 2,000kg Polycyclic aromatic hydrocarbons (Ba Peq): 0.00030kg Sulfur dioxide: 0.29kg Total Volatile Organic Compounds: 1,800kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2010/jurisdiction-facility/Q012QG007">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2010/jurisdiction-facility/Q012QG007</a>
June 2010	Frank Chapman BG Group, flies to Australia too receive QGC EIS approvals	This despite environmental scientists within the govt claiming the EIS approvals for the project were rushed due to pressure from the proponent and illegally signed off on as incomplete documentation was supplied.  No sections on human health, groundwater or Greenhouse gases are included in the EIS.  No cost benefit analysis is conducted.	<a href="http://www.couriermail.com.au/news/queensland/coal-seam-gas-company-threatened-to-walk-away-from-16-billion-project-if-approval-not-granted-quickly/story-e6freoof-1226576528166">http://www.couriermail.com.au/news/queensland/coal-seam-gas-company-threatened-to-walk-away-from-16-billion-project-if-approval-not-granted-quickly/story-e6freoof-1226576528166</a> <a href="http://www.couriermail.com.au/news/public-servants-tasked-with-approving-to-massive-csg-projects-were-blindsided-by-demands-to-approve-two-in-two-weeks/story-e6freoof-1226574952587">http://www.couriermail.com.au/news/public-servants-tasked-with-approving-to-massive-csg-projects-were-blindsided-by-demands-to-approve-two-in-two-weeks/story-e6freoof-1226574952587</a> <b>Direct evidence of Simone Marsh, Environmental Scientist – who worked on the</b>

August 2010 – ongoing	Lot 10 Noise	EIS process and turned whistleblower. Diary notes
21 /10/10	Residents of Fairview and Wileambilla Estates go to the media about Govt "cover-up" of health issues  [These localities are 6-13 km south of the Jenkyn's home]	Constant 24/7 noise from Lot 10. Small camp established up back despite denial from QGC. Trucks and loaders coming and going all night long. Beeping and flashing lights. Horrible taste in mouth. Dust everywhere. Leisa from QGC denies they are drilling but Jenkyn's can see and hear and feel and taste it. Melancholy for her quiet roads of 5-6 cars a day being the norm. These notes are reflective and heartfelt.  Jo notes <b>relentless 'banging, bashing, bipping, clunking, clanging'. 24/7</b>  DERM state they are 'investigating' but claim they cannot find evidence of dumping which occurred 2008-2009. QGC state they are unaware of any investigation.  <b>Anna Bligh</b> writes to MB and says that CSG water was no longer used for dust suppression and the incident resolved.
Between March – June 2011	Batches of purchased calves accessing water from a trough, fed from dam, start wasting and dying. Goat also died and older steer began wasting.	<b>All conflicting comments appear to support residents claims of illegal dumping and lack of proper investigation</b>  Dam is fed by water runoff from road. Calves were purchased March– one period in good condition. All died on weaning onto dam water. Vet attended and tried various treatments.  Only common factor in deaths was the water supply. All died near trough with convulsions and frothing from the mouth.  Goat underwent post-mortem by Local vet and sample was sent to DPI. To date both vet and DPI refuse to provide test results. Family tried to get QGC, Qld Govt and Local govt to do environmental testing to no avail.  <b>John first noticed that CSG produced water was being</b>
		http://www.couriermail.com.au/business/claims-of-illnesses-and-cover-up-as-d-day-looms-for-coal-seam-gas-projects/story_e6f9e6mx-1225941426413
		Photos Anecdotal Vet receipt Letter from Dr G McCarron to Premier Newmann, Qhealth, Professor O'Kane, Chief Scientist NSW

Early-mid 2011	4-5 Phone contact with DERM re noise which led meeting with QGC		sprayed on road outside his property around this period. Family was unaware that they had the right to complain. Spoke to Andrew Radke on several occasions about problems.	No documentation
2010-2011	National Pollution Inventory Self-Reporting – QGC Kenya Processing Plant and Compressor stations (ATP620)		Carbon monoxide: 250,000kg Oxides of Nitrogen: 400,000kg Particulate Matter 10.0 um: 1,100kg Particulate Matter 2.5 um: 1,100kg Polycyclic aromatic hydrocarbons (B[a]P)eq: 0.075kg Sulfur dioxide: 340kg Total Volatile Organic Compounds: 55,000kg Formaldehyde: 23,000kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC007">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC007</a>
2010-2011	NPI Annual Self-Reporting – QGC ATP651 "Kenya" Van Renen Road, via Tara		Carbon monoxide: 35,000kg Oxides of Nitrogen: 8,600kg Particulate Matter 10.0 um: 15kg Particulate Matter 2.5 um: 14kg Polycyclic aromatic hydrocarbons (B[a]P)eq: 0.00048 Sulfur dioxide: 2.3 Total Volatile Organic Compounds: 58,000kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC010">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC010</a>
2010-2011	NPI Annual Self-reporting – QGC ATP648 "Kenya" Van Renen Road, via Tara		Carbon monoxide: 39,000kg Oxides of Nitrogen: 11,000kg Particulate Matter 10.0 um: 59kg Particulate Matter 2.5 um: 57kg Polycyclic aromatic hydrocarbons (B[a]P)eq: 0.00065 Sulfur dioxide: 3.4kg Total Volatile Organic Compounds: 63,000kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC009">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2011/jurisdiction-facility/Q012QGC009</a>
4 Aug 2011	Post Mortem on goat which died		Chinchilla Vet Services sent samples to DPI. DPI did not release test results to John – excuse was that they "got lost." John was told a locum was involved or words to that effect	Paid Vet account in full
08/08/11	Meeting with QGC regarding noise from Lot 10		Met with Lluvia Murilla from QGC Land Access Team to discuss generator noise from Lot 10 (800 metres south of house).	Diary
16/08/11	John Contacted Lluvia Murilla to ask what was "going on".		No word back from QGC	Diary
16/08/11	Lluvia rang back to ask for Lot and plan			Diary

18/08/11	no. Lluvia came to property with noise monitoring team	Two technicians from a company in The Gap, Brisbane.	No report from monitoring was supplied to family.
"	Jenkyn's note absence of and diminished noise during the sound testing period	<b>"Marvellous how no noise when listening gear is here, but it was non stop for 12 weeks before. Must be too wet to work at ponds."</b> It is noted that Aaron is losing weight due to stress and lack of sleep/burning energy.	
09/09/11	Noise monitoring equipment taken away	John was notified that there was "no noise" during the period of testing which is in contrast to his diary notes, where he writes that on occasion it's as though they've forgotten that the listening gear must be there and continued with noise.	Diary Diary
09/09/11	John notes in diary that after the test equipment was removed the noise returned to "twice as loud as normal"	John thinks they have taken the baffles off pump. Faxes complaint to DERM. * After speaking with a local business owner, he is told that it is not uncommon for them to exchange open box/cage housing for expensive silent housing – then back to cage housing when finished testing.	Diary
09/09/11	John rang DERM	Spoke to Tim Reid at DERM and asked if they'd received faxed noise complaint. <b>Andrew Radke</b> rang back to confirm they had received the fax.	Diary
20/09/11	9.20 PM – "jet engine sound" coming from direction of Kenya Processing facility	John notes that it is 'great to live in an industrial area'. Aaron not sleeping means no one in the family sleeps. Drilling noise to west of them.  Jenkyn's paid to feed neighbours (with gas wells) animals while they are away. John wonders whether neighbours are paid or advised to go away while these heavy works are conducted.	Diary
20/09/11	Camp at Lot 10 w generator 24/7	Camp set up at Lot 10 with generator going all night – as well as a righ 1km east. Noise relentless over top of tv in lounge room. Lot 10 still noisy. Flashing lights. Rig noise coming from north & west	Diary

21/09/11	12.30 – "Still awake"	Noise continuous for approx. 2 years. – 24/7. Sleep deprivation. Heavy equipment during the day and reversing-beepers on equipment at night.	Diary
04/10/11	Lluvia Murilla told John that "there are drugs" (that would help Aaron sleep)	House visit. <b>Some solutions offered were:</b> Sheeting and insulation to front room; use drugs; solar to run air conditioning in Aaron and Yasmin's room.  <b>None of these suggestions eventuated and Lluvia was removed from the position soon after.</b>  <b>"Now [we are] all in the habit of waking up at all hours of the night – with our without noise"</b>	Diary
06/10/11 14/10/11	12.15 pm Call from Ray Hanrahan Ray calls asking what QGC can do for J.	Ray is new QGC contact person/Lluvia no longer w QGC <b>Ray asks what QGC can do for the family to help in the future, but said 'don't get hopes up'.</b> John asks about the saleability of his property in years to come, surrounded with all the ponds and wells and compressors etc. <b>Mark Carden came up from Brisbane to apologise. "Sorry on behalf of QGC for impacting on your family" [Verbatim]</b>	Diary Diary
19/10/11	Meeting with Ray Hanrahan and Mark Carden (Leading Technical Manager of Social Performance – QGC) Mob. 0400421763	Advised to contact an OT or social worker for a report on how the company operations were affecting Aaron. (Cerebral Palsy League completed the report)	Diary  **The purpose of the report was to determine what was needed for Aaron (Quadriplegia/Cerebral palsy – noise sensitive)
18/11/11	Ray Hanrahan (QGC) called to give "go ahead" with impact reports for Aaron	Also said he "would have drilling schedule and locations of wells to show (me) by early next week" (These were never supplied). Ray denies camp exists on Lot 10 but John observes him going in and out, can see it and also hears about it on two way radio.	Diary
23/11/11	Receive quote as per Cerebral Palsy report for stand alone solar power system requested by Mark Carden/QGC.	Solagex Aust quote on supply and installation of 2.82kw stand alone solar system \$33,500 less rebate of \$3500	CP Report recommended that the Jenkyn's needed extra power for white noise to mitigate external noise.  Quote available

NB	Copies of some diary pages are attached - more available if needed			
13/12/11	Truckloads of pipes were being moved from Lot 10 at 10.30pm	Work is supposed to be carried out between 6.00am to 6.00pm.	Diary	
15/12/11	Social worker visit re Aaron budget	Social worker (named Vincent) commented on the amount of noise and said 'he would think about leaving'.	Diary	
20/12/11	Noise all night from Kenya pond construction until 7.00 am	Work is supposed to be carried out between 6.00am to 6.00pm. "Sounded like freight train engine"	Diary	
20/12/11		John makes note in diary "I give up".	Diary	
During 2012	Extensive diary notes, images and recording re noise from construction of huge Reverse Osmosis plant, drills, generators, trucks etc.	Noise, dust, odour, residues on exposed surfaces. Aaron's interrupted sleep is impacting his health – teeth grinding, weight loss, rashes and vomiting. Rejection by local community due to most people now working for QGC impacting Yasmin's well-being.	Diary	
		Yasmin also grinds teeth in sleep and unlike John & Aaron who are losing weight, she gains it due to being trapped indoors and loss of social contacts due to changing town.		
10/04/12	Occupational Therapy – Home Environment assessment report	<b>Karly Rutherford</b>		
23/04/12	Rang Ray (QGC) about roaring noise and house shaking	<b>Usual response "I'll look into it"</b> and would see John Thursday 26 <sup>th</sup>	Diary	
2011-2012	National Pollution Inventory <b>Self-Reporting</b> by QGC Kenya Processing Plant and Compressor stations (ATP620)	John's diary comment: <b>"Here we go again...to nowhere"</b> Carbon monoxide: 520,000kg Oxides of Nitrogen: 840,000kg Particulate Matter 10.0 um: 2,700kg Particulate Matter 2.5 um: 2,700kg Polycyclic aromatic hydrocarbons (B[a]P)eq: 0.15kg Sulfur dioxide: 690kg Total Volatile Organic Compounds: 110,000kg Formaldehyde: 47,000kg		<a href="http://www.mpi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QID/year/2012/jurisdiction-facility/Q012QGC007">http://www.mpi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QID/year/2012/jurisdiction-facility/Q012QGC007</a>

2011-2012	<p><b>NPI Self-Reporting – QGC ATP648</b></p> <p>“Kenya” Van Renen Road, via Tara</p>	<p>Carbon monoxide: 58,000kg  Oxides of Nitrogen: 110,000kg  Particulate Matter 10.0 um: 2,800kg  Particulate Matter 2.5 um: 2,800kg  Polycyclic aromatic hydrocarbons (B[a]Peq): 0.0032  Sulfur dioxide: 13kg  Total Volatile Organic Compounds: 46,000kg</p>	<p><a href="http://www.npi.gov.au/npidata/action/load/emi-ission-by-individual-facility-result/criteria/state/QLD/year/2012/jurisdiction-facility/Q012QGC009">http://www.npi.gov.au/npidata/action/load/emi-ission-by-individual-facility-result/criteria/state/QLD/year/2012/jurisdiction-facility/Q012QGC009</a></p>
09/08/12	<p>First phone call complaint to <b>Brett Strathearn</b> (new QGC Land and Liaison Officer)</p>	<p>Complaint re trucks and loader at Lot 10 starting operation at 11.20pm at night in violation of EA.</p> <p>Reverse beeping disturbs Aaron's sleep.</p> <p><b>Brett Strathearn excuse: "It was a disgruntled employee stealing pipes"</b></p> <p><b>John diary comment: "Here we go again after many months and phone calls to QGC we are continually treated like idiots"</b></p>	<p>Diary</p>
	<p>Noise issues persist</p>	<p>Sources of noise RO plant and dam construction to the North-West (3km), pumps on Lot 10 (South – 800 metres), truck and other vehicle movements, drilling rigs noise</p>	<p>Diary</p>
22/08/12	<p><b>Home visit:</b> Brett Smith (QGC – VP Sustainability) and Tony Heidrick (QGC – Field Corporate Services Manager), Brett Strathearn (QGC Liaison) and a female driver</p>	<p>10.45 am: Meeting to discuss “money” and compensation discussion related to Cerebral Palsy League report (<b>CP Report</b>).</p> <p>Brett Smith promised the Jenkyn's a “<i>life-changing experience</i>”. Nothing concrete came of the meeting.</p>	<p>Diary</p>
03/09/12	<p>Aaron losing weight. 3 months straight of weight loss due to lack of sleep related to his metabolism. <b>See CP Report.</b></p>	<p>Occupational Therapist home visit. Big weight loss.</p>	<p>Diary <b>Cerebral Palsy Report</b></p>

04/09/12	7.20 " ...high pitched roaring" "Firing up RO plant engines one by one". "Makes a lot of noise"	<p><b>NB: this noise went for about a week</b></p> <p>Images of Kenya Plant:  <a href="http://www.water-technology.net/projects/-qgc-kenya-water-treatment-plant-queensland/">http://www.water-technology.net/projects/-qgc-kenya-water-treatment-plant-queensland/</a>  <a href="http://www.sunwater.com.au/_data/assets/pdf_file/0016/12607/Chinchilla-Beneficial-Use-Scheme-Water-Quality-Report-2013.pdf">http://www.sunwater.com.au/_data/assets/pdf_file/0016/12607/Chinchilla-Beneficial-Use-Scheme-Water-Quality-Report-2013.pdf</a></p>	Diary
07/11/12	Alternative Arrangement Agreement – QGC	<p>First offer for soundproofing of \$70,000 – see list re clause asking John to waive "other possible impacts" re "present and future claims" etc.</p> <p>Present at meeting to discuss same were: The Jenkyns, Joshua Aylward &amp; Peter Shannon (Shannon Donaldson/Shines), Tony Heidrich QGC and Henry Prokuda (QGC Lawyer) from Corrs Chambers Westgarth.</p>	See schedule
During 2013	Extensive diary notes, images and recording re noise from construction and operation of Kenya RO plant, drills, generators, trucks, pipeline compressors etc.	<p>Noise, dust, odour make house virtually uninhabitable. Noise, dust, odour, and residue on exposed surfaces from atmospheric deposition.</p> <p>Aaron's interrupted sleep is impacting his health – teeth grinding, weight loss, rashes and vomiting</p> <p>Rejection by local community due to most people now working for QGC impacting Yasmin's well-being (teeth grinding)</p>	Diary
21/01/13 2013	Jo Jenkyn suffers a nervous breakdown Kenya Water Treatment plant is commissioned	<p>Jo is hospitalised again</p> <p><b>Noise impacts increase</b></p>	

Feb-March 2013	In the absence of any genuine interest from Qhealth re. the plight of gas field residents, Dr GERALYN MCCARRON (a private Brisbane-based GP) conducted interviews of impacted gas field families, to ascertain the extent of the health issues	35 households in the residential estates and the Kogan/Monrose region were interviewed (113 people from 38 households). Symptoms reported included cough, chest tightness, and rashes, sleeping difficulty, muscle pains and spasms, nausea and vomiting, and eye irritation.	<a href="http://www.fra.w.org.uk/files/extreme/mccarron_n.2013.pdf">http://www.fra.w.org.uk/files/extreme/mccarron_n.2013.pdf</a>
20/03/13	Complaints to QGC regarding high dust levels from pipeline construction along property fence-line, preceded mediation meeting  Mediation meeting w. QGC & DERM	Present: The Jenkyn's, Ian Heiner, Stephen Ward, Brett Strathearn, Jamie Hempstead. Meeting held @ Derm Chinchilla	Copy of Minutes of Meeting (minus John's only question which was, 'is it safe to live here?' which was not included in minutes apparently).
28/03/13	BS from QGC phoned to say that the main pipeline was going in next door (southern side)		
02/04/13 16/04/13	Letter to Corrs Chambers Westgarth from Shannon Donaldson Lawyers	<b>Letter notes "after all of our phone calls"</b> Re QGC Alternative Arrangement and admission by QGC - that they "have been and will be" breaching the noise limits in the relevant EA by more than double. Agreement is unacceptable to Jenkyn's family.	See letter on behalf of Ian Heiner- 2 April 2013 Letter dated 16 April
04/05/13	Plague proportions of sap sucking beetles arrive at John's house. Here they stay for some 10 months.	John believes that they have been disrupted from their natural habitat via the dust and vibrations occurring in the area.	Diary

23/05/13	<p>6.00 am – Jo states: “raining lightly, not enough for another quiet day, have asthma real bad the works next door are full on”</p> <p>6.30 pm – Jo complains of feeling sick and head cold symptoms.</p> <p>9.30 pm – Jo has sore back and difficulty breathing</p>	<p>Murphy Pipe and Civil are trenching a pipeline 700 metres from the home. Thick dust around Jenkyn’s home.</p> <p>John &amp; Jo state that they literally could not see out from their kitchen window during this period.</p>	Diary notes
24/05/13	<p>12.20 am – Jo has breathing problems and headaches, ear ringing and “popping”</p> <p>1.15 am – Jo still having problems breathing – the truck traffic at QGC works on Lot 10 continues</p> <p>1.30 am – John calls 000</p> <p>2.10 am – Jo left in ambulance</p> <p>3.20 am – Aaron still awake</p> <p>Jo suffered asthma induced heart attack</p>	<p>Admitted to Tara Hospital and air-lifted to PA Hospital</p> <p>Murphy Pipe and Civil (MPC) continue working next door</p> <p><b>NB: At the same time this happened Qhealth reported that there were no instances of gas industry related health problems being reported by doctors in the area (see Dr McCarron senate submission)</b></p>	<p>Diary notes</p> <p>Tara Medical Centre Report</p> <p>Hospital records</p>
01/06/13	<p>John rang Ray Hamrahan (QGC) and told him: “I was not dealing with Brett BS anymore as he has done nought since he took over”</p>		Diary
01/06/13	<p>Met w Ray Hamrahan</p>	<p>Met at café in Chinchilla with Ray H. about Brett Strathearn &amp; was introduced to Ross Peoples – as new QGC Land Liaison Supervisor</p>	
17/07/13	<p>Jo suffers angina attack</p>	<p>Hospitalised and then sent home with medication</p>	
2012-2013	<p>Aaron’s ears syringed. John has to work</p>	<p>John has to work despite countless, sleepless nights.</p> <p>Aaron’s hearing is now more acute than ever and he is hearing everything.</p>	Diary

2012-2013	National Pollution Inventory NPI Self Reporting by QGC Kenya Processing Plant and Compressor stations (ATP620) "Kenya" Van Renens Road, via Tara	Carbon monoxide: 430,000kg Oxides of Nitrogen: 750,000kg Particulate Matter 10.0 um: 580,000kg Particulate Matter 2.5 um: 12,000kg Polycyclic aromatic hydrocarbons (B[a]Peq): 0.30kg Sulfur dioxide: 590kg Total Volatile Organic Compounds: 100,000kg Formaldehyde (methyl aldehyde): 37,000kg Cumene (1-methylethylbenzene): 1kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG007">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG007</a>
2012-2013	NPI Self-Reporting – QGC ATP651 "Kenya" Van Renen Road, via Tara	Carbon monoxide: 38,000kg Oxides of Nitrogen: 170,000kg Particulate Matter 10.0 um: 12,000kg Particulate Matter 2.5 um: 12,000kg Polycyclic aromatic hydrocarbons (B[a]Peq): 0.00069 Sulfur dioxide: 41kg Total Volatile Organic Compounds: 13,000kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG010">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG010</a>
2012-2013	NPI Self-Reporting – QGC ATP648 "Kenya" Van Renen Road, via Tara	Carbon monoxide: 80,000kg Oxides of Nitrogen: 230,000kg Particulate Matter 10.0 um: 15,000kg Particulate Matter 2.5 um: 15,000kg Polycyclic aromatic hydrocarbons (B[a]Peq): 0.0015kg Sulfur dioxide: 53kg Total Volatile Organic Compounds: 69,000kg	<a href="http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG009">http://www.npi.gov.au/npidata/action/load/emission-by-individual-facility-result/criteria/state/QLD/year/2013/jurisdiction-facility/Q012QG009</a>
11/06/13	Dr Chris Davis on behalf of Health Minister L. Springborg in letter to Dr McCarron	<b>"Please be assured that the Minister is committed to ensuring public health standards are not compromised by coal seam gas activities..."</b> and <i>"The Department of Health is currently developing an action plan in consultation with other government agencies, based on the recommendations outlined in the Departments report. This plan includes the development of a strategic air quality monitoring program to better characterise and monitor ambient air quality on a longer term basis"</i>	Letter to Dr McCarron Nb. This development of air quality monitoring is again mentioned in correspondence in 2 Oct 2014 but no testing ever eventuated. It was eventually scrapped in late 2014. Attempts by Dr McCarron to ascertain who made the decision NOT to test the wider residential estates have met with a non-response from Govt. (letter in senate submission)

12/06/13	Environmental Nuisance Complaint form	Dust, machinery noise.	Complaint form to Ian Heiner @ DERM
28/06/13	QGC up offer to \$100,000 compensation (to pay for sound-proofing of home)	John was only able to obtain one quote for \$420K for soundproofing. No other company approached wanted to undertake the work. House is 620 sq.m	Diary and quote available
31/07/13	Visit from Ross Peoples re dust issues	Noted in letter 15 Aug, 2013	Letter 15 Aug, 2013
01/08/13	Visit from Ross Peoples re dust issues	Noted in letter 15 Aug, 2013	Letter 15 Aug, 2013
Early/Mid 2013	Yasmin & John inspect several properties around Warwick	Brett Strathearn suggested that the Jenkyn's needed to have a 'business plan' to present to QGC – this was to include alternative property price and associated relocation costs.	This is how John arrived at the figure of \$580K
15/08/13	Letter from Ross Peoples (Land and Community Liaison Officer – Central Region)	Reply to John's earlier complaint re noise, dust and water quality concerns: <i>"I did not observe any dust and noise issues"</i> and <i>"we have organised for the application of GR77000 (a polymer-based dust suppressant) on the Chinchilla-Tara Rd outside your property"</i>	Letter 15/08/13 from QGC's ILS Ross Peoples
15/08/13	Letter on behalf of Jenkyns sent to QGC by Shine	\$580K proposal for buyout/relocation without strings relating to long term health impacts etc on family	
21/08/13	Jo suffers nervous breakdown	Hospitalised again	
Diary	John has lost approx 14kg		Diary
17/09/13	Environmental Nuisance Complaint (x2)	Traffic on pipeline day & night RO (Reverse Osmosis) Plant	Complaint form Complaint form
19/09/13	Environmental Nuisance Complaint	Noise from compressor station	Complaint form
19/09/13	Letter from QGC's lawyers rejecting compensation claim for \$580K	NB. John had costed moving, travelled to Warwick at behest of Brett BS for cost of new property	Letter from Henry Prokuda Corrs Chambers Westgarth
10/10/13	Complaint form to Ian Heiner & Andrew Radke DERM re noise	Large generator of Mobile Camp. Small generator on well. Heavy machinery at Kenya Ponds	Complaint Form
Nov 2013	Western Downs Regional Council took water samples from one rainwater tank in the area.	pH recorded at 4.66 – very acidic (indicative of acid rain). Despite the tests supposedly being done to confirm or exclude gas field contamination, council states relevant tests for petrochemicals and heavy metals were not done	Letter from Dr McCarron dated 27 Jan 2014 Test results

Nov 2013	"Today Tonight" run story on "oily substance" residents report raining on them at an Origin gas field near the residential estates (Several km south of the Jenkyn's residence)	In response to this serious incident, Origin commission the now infamous "Lerp Report" and use this to dismiss resident's claims in a fairly ridiculous manner.	<a href="http://www.originenergy.com.au/4406/ironbar">http://www.originenergy.com.au/4406/ironbar</a>
25/10/13	Meeting re.QGC offer of \$100K	Origin refuse repeated requests to release the full report to residents and the public, and continue to maintain an unsubstantiated summary on their website. "same crew but Lachlan from Shines present instead of Josh"	
12/12/13	Environmental Nuisance Complaint	Noise from Kenya	Complaint Form
20/12/13	Chemical Analysis Branch – private urine testing conducted on family	NB: Test results returned positives for Cresol, Phenol, Acetone and Polycyclic Aromatic Hydrocarbons, as well as Hippuric Acid (the major metabolite of Toluene)	Test Results returned Jan 10, 2014
23/12/13	Environmental Nuisance Complaint	"Whitish oily substance that coats everything when it rains. Sore eyes, burning nose, sore throat, dizziness, hair loss, vomiting"	Complaint Form
During 2013	Extensive diary notes, images and recording re noise from construction and operation of Kenya RO plant, drills, generators, trucks, pipeline compressors etc.	<b>Noise, dust, odour make house virtually uninhabitable.</b> Noise, dust, odour, irritants and residues on exposed surfaces from atmospheric deposition. Aaron's interrupted sleep is impacting his health – teeth grinding, weight loss, rashes and vomiting Rejection by local community due to most people now working for QGC impacting Yasmin's well-being.	Diary
01/01/14	Portion of diary note (Jo)	"No more stars Kenya way just bright orange sky" ... "burning up all our noses" ... "Light headedness and headaches" ... "can't drink our water"	Diary
02/01/14	Portion of diary note (Jo)	"The usual chemical burn up nose" ... "hard to breathe again today been like this since X-mas"	Diary
03/01/14	Portion of diary note (Jo)	"Nose burns head cold symptoms CSG flue (sic)" ... "This is so damn wrong. I trusted so many I cannot believe the govt all departments" ... "I am lucky for John and both Yas and Aaron. Some peace is needed in our lives a little. A holiday. Hmm clean air and water Hmm"	Diary
04/01/14	Portion of diary note (Jo)	"The usual dry burning nose" ... "Aaron blocked up in head so bad he is vomiting" ... "RO Plant louder" ... Also noted are	Diary

05/01/14	Portion of diary note (Jo)	out-of-hours trucks driving past with lights turned off Notes: Aarons hair is starting to thin noticeably. Truck traffic bad 5 am and into the night. Tiredness.	Diary
06/01/14	Portion of diary note (Jo)	Sam - truck traffic. "RO roars through closed kitchen window"	Diary
07/01/14	Environmental Nuisance Complaint	Out-of-hours construction at Kenya and Brentleigh Park. Traffic 24/7.	Complaint Form
07/01/14	Portion of diary note (Jo)	"Sam trucks again" ... "Can breathe a little better" ... "I miss watering my garden it's all dead from the water" ... "Quiet RO strange burning smell"	Diary
08/01/14	Portion of diary note (Jo)	"No RO Noise WOW"	Diary
09/01/14	Portion of diary note (Jo)	"Metallic taste in mouth worse than ever" ... "A little worried about going outside now. Guess Aaron will have to mask-up for wheelchair practice". Skin rashes and aching.	Diary
10/01/14	Portion of diary note (Jo)	"Shivers and shakes wanted to call John an ambulance"	Diary
11/01/14	Portion of diary note (Jo)	"Again that metallic salty taste" "Facebook goes mad with before and after shots of garden..." "Interviews coming and torment from truck drivers over 2 way begins. Horns are honking"	Diary
11/01/14	Jo has breakdown episode and her diary entries stop.		Diary
13/01/14	Shines remind J of QGC's \$100K offer	Offer for soundproofing is still available to \$100K	Diary
20/01/14	Jo hospitalised due to nervous breakdown		Diary
21/01/14	Diary entry (John)	Jo in hospital Toowoomba. "Aaron complaining bad taste" "Aaron vomit in bed. Still indicating (sic) taste" "Bad taste in mouth worse with rain"	Diary
25/01/14	Diary entry (John)	"Bad taste"	Diary
27/01/14	Diary entry (John)	"Ears really ringing" "Bad Taste"	Diary
28/01/14	Diary entry (John)	"Ears ringing. Bad taste" Visit to Jo in hospital and notes "feel better breathing in Toowoomba no headache"	Diary
29/01/14	Diary entry (John)	"Ears ringing bad taste" "Aaron still complaining of bad taste. Vomits"	Diary

10 & 2 Feb, 2014	ALS Environmental – scrapings (AMH)	Certificate of Analysis – very high levels of Cadmium on water tank; High levels of copper, lead and zinc on surface of vehicle. (NB: Darling Downs Health Unit later tell family this is due to bird droppings)	Test results
11/02/14	Emails between Tony Heidrich (QGC) and John Jenkyn	<i>“John, I refer to your email of 31 December...with respect to your allegations that QGC’s activities have resulted in an oily residue covering your car and house, I confirm that QGC has carried out an investigation, including attending your property on 1 January 2013 and having it’s (QGC’s) air emissions specialist analyse the potential link between your allegations and QGC’s activities. The findings of this investigation support QGC’s view that the oily residue cannot reasonably be attributable to QGC’s activities.”</i> [NB. Emphases added]	NOTE: QGC/BG were requested (by John – see email) to supply a copy of the alleged report and the company failed to deliver same.  No actual testing was carried out by QGC on the property, as the emissions specialist did not physically enter the property.
16/02/14	Diary Entry (John)	“water samples”	Diary
17/02/14	Diary Entry (John)	“Dalby. Meet Erin. Wow – how down to earth”	Diary
19/02/14	ALS Environmental (Ethan Bielefeld – DEHP)	High levels of phenolic compounds, PAH surrogates– (sub-matrix dust, matrix – water) (Water tanks) – VOC’s, Phenol, PAH’s BTEX surrogates in high levels. Also mod. Levels of zinc, ammonia, nitrate, nitrogen	Test results
19/02/14	Diary Entry (John)	“9.45 Rain starts” ... “11.50pm Aaron still awake and making noise when I went in he was in a lather of sweat pale as very blue around the eyes feeling sick” ... “Made to indicate taste in mouth”	Test results
02/03/14	Diary Entry (John)	“1.30am Aaron trying not to vomit”	
10/03/14	Final offer for \$100k / soundproofing	Includes temporary short term relocation while works are conducted	
Feb/March	Incredible noise 24/7	Massive blue water pipeline separator (?) unit 700m from bedroom windows of family home. Noise is relentless and incredibly loud.	Video footage of said unit

18/03/14	ALS Environmental (Ethan Bielefeld – DEHP)	High EC; water tanks 1 & 3 are acidic but tank 2 is alkaline (which is unusual for rainwater). Aluminium and iron were omitted from test; Total uranium and thorium, gross alpha and gross beta also omitted. <b>ALS noted that "the presence of high level contaminants" masked the chromatogram spike of one sample during phenolics/PAH determinations.</b>	Test results Geraldyn's email dates 1 April 2014
22/04/14	Diary Entry (John)	"water tastes worse again have to pump more over"	Diary
23/04/14	Diary Entry (John)	"Ringing in ears bad enough to keep Aaron awake till 1.30 2 am last three nights" "Same here"	Diary
24/04/14	Diary Entry (John)	"Aaron's rash getting worse"	Diary
25/04/14	Diary Entry (John)	"Rash the same"	Diary
27/04/14	Diary Entry (John)	"fixing car bad taste and noise (sic) burning" "feeling very sick"	Diary
28/04/14	Diary Entry (John)	"no energy. Really bad taste in mouth"	Diary
01/05/14	Re Water Tank sample	pH result 4.66 – drinking water tank (highly acidic)  Dr Jeannette Young stated: "At this level the pH would not pose any health concerns through consumption of the water but it could contribute to the corrosion of fittings."	Letter from Dr Jeannette Young to Dr McCarroll
20/05/14	Air sampling commences – DEPH		Diary
22/05/14	Diary Entry (John)	Unexpected bowel movement - Blood and mucus in stool. "bad stomach pain for weeks"	Diary
25/05/14	Diary Entry (John)	"Home. Feel like crap. Aaron gagging"	Diary
27/05/14	DEPH (Ethan) retrieves air sampler		Diary
28/05/14	Diary Entry (John)	Dr Appt re bowel movement and contact with 13HEALTH hotline	Diary
29/05/14	Diary Entry (John)	"air tastes like shit"... "all I do is sleep day and night unbelievable"... "bowel movement more mucus could not see any blood"	Diary
30/05/14	Diary Entry - John rings Darling Downs Health Dept re test results on tank and	"Greg Jackson said must be bird shit" "Amanda DD Health said not their department really"	Diary

31/05/14	car Diary Entry (John)	"Compressor station every night last 2 weeks. Pump from lot 10." "Bird shit my ass"	Diary	Diary
02/06/14	Diary entry re tank and car test results – phone conversation with Greg Jackson QHealth	John is told by QHealth that the test results from sampling the top of water tank and cars:  "....is due to birds eating grain high in sulfur or fertilizer"	Diary	NB: Atmospheric depositions from the processing plant emissions of NOx and SO2 (and other compounds) are a far likelier source of contamination than grain fed wild birds
06/06/14	Diary Entry (John)	"plenty flairs (sic)" FLARES  NB: "The most abundant hydrocarbon compounds found in any of the emissions examined in the field flare testing include benzene, styrene, ethynyl benzene, ethynyl-methyl benzenes, toluene, xylenes, ace naphthalene, biphenyl, and fluorene. Flaring of associated gas mainly emits carbon dioxide (CO2), carbon monoxide (CO) and a variety of air pollutants, such as VOCs (which include carcinogens and air toxics), nitrogen oxides (NOx), sulphur dioxide (SO2), toxic heavy metals and black carbon soot. It is known that some of the products of complete combustion, such CO2 and H2O, from flares contribute greatly to heat radiation experienced around flares"	Diary	[**Widespread flaring of ramp up gas as OGC prepare to bring gas online to Gladstone]
07/06/14	Diary Entry (John)	<a href="http://pubs.sciepub.com/env/14/1/index.html">http://pubs.sciepub.com/env/14/1/index.html</a> "Crab taste all day" "Aaron still crapping almost black" "Such a bad taste in mouth. Smells almost like rotten egg gas" "next to no wind"	Diary	
09/06/14	Diary Entry (John)	"try ring Greg Jackson QHealth no answer"	Diary	
10/06/14	Diary Entry (John)	"All feeling sick in the guts"	Diary	
11/06/14	Diary Entry (John)	"Wind blowing today feel a little better".... "Tim Reid and Ethan [DEHP] came and took more samples from drinking water tank"	Diary	
12/06/14	Diary Entry (John)	"Feeling crap all day. No wind & that taste. Drilling rig on Wee Rd been there for few days loud tonight"	Diary	
13/06/14	Diary Entry (John)	Yellow stuff on cars. "Kenya roared all night" ... "ears ringing"	Diary	

14/06/14	Diary Entry (John)	Aaron awake all night. Smoke or steam seen coming off "ponds". Compressor and RO very loud.	Diary
25/06/14	Diary Entry (John)	Email Ross Peoples [QGC]	Diary
26/06/14	Diary Entry (John)	Rang Ethan [DEHP] and Ian Heiner [QGC]	Diary
04/07/14	Diary Entry (John)	Rang Ross Peoples [QGC] re trucks and pump noise	Diary
06/07/14	Divstrat Pty Ltd undertook private testing of sediment in bottom of Jenkyn's drinking water tank	<p>Found the following over the LOR of 50:  Aluminium 10,990 mg/kg; Iron 20,200 mg/kg and</p> <p>The following over the LOR of 0.1:  Arsenic 2.9 mg/kg; barium 41.1 mg/kg; beryllium 0.3 mg/kg; bismuth 0.3 mg/kg; cobalt 3.2 mg/kg; chromium 38.5 mg/kg; copper 682 mg/kg; thorium 1.2 mg/kg; manganese 128 mg/kg; strontium 6.5 mg/kg; nickel 8.4 mg/kg; lead 163 mg/kg; lithium 2.8; zinc 98.2 mg/kg; vanadium 41 mg/kg</p>	<p>Test results  John Polglase &amp; Dr McCarron</p>
09/07/14	DDPHU = Submitting authority	<p>Certificate of analysis for outdoor test – 30 minute passive air sample conducted 20-27 May, 2014</p> <p>Test demonstrated level of formaldehyde 8.7ug/m3; Level of Acetaldehyde 4.8 ug/m3; Level of Acrolein 21.3ug/m3-plan</p> <p><b>These results were sent to the Jenkyn's family by DEHP - with the OHS threshold Limit Values, the short term exposure limits and the comment:</b></p> <p><b>"The results above are not above the exposure limits shown in the tables below".</b></p> <p>NB: Acrolein is an acute eye, nose, throat, lung and skin irritant – consist with symptoms the family reports in Diary entries</p>	<p>Test results  <a href="http://www.bom.gov.au/climate/dwo/201407.html/DCIDW4083.201407.shtml">http://www.bom.gov.au/climate/dwo/201407.html/DCIDW4083.201407.shtml</a>  Miles airport – Winds between N-WNW coming from direction of facility</p> <p>In a letter to the Premier, QHealth, DDPHU and DEHP (17 Sept, 2014) - Dr McCarron points out the level of Acrolein measured is well above any form of acceptable chronic exposure levels and to compare the families 168 hour a week exposure - with Occupational Health Standards – is "crude in the extreme". <b>"When the results for Acrolein are combined with those for formaldehyde, which is a carcinogen, and added to the toxicity of acetaldehyde, the concentrations and health implications are extremely concerning"</b></p>

14/07/14	Diary Entry (John)	Rang Ethan [DEHP]	Diary
17/09/14	In a letter to the Premier, QHealth, DDPHU and DEHP (17 Sept. 2014) - Dr McCarron points out the level of Acrolein measured is well above any form of acceptable chronic exposure levels and to compare the families 168 hour a week exposure - with OH standards - is "crude in the extreme".	"When the results for Acrolein are combined with those for formaldehyde, which is a carcinogen, and added to the toxicity of acetaldehyde, the concentrations and health implications are extremely concerning"	Diary Dr McCarron - Letter 17 Sept. 2014
18/07/14	Diary Entry (John)	Rang Ethan (DEHP) and David - both "out"	Diary
19/07/14	Diary Entry (John)	"Water trucks all night. All the traffic 4.20 am to 7am. Then dead quite (sic). Start again 7.45am"	Diary
25/07/14	Diary Entry (John)	Email Ross Peoples (QGC)	Diary
31/07/14	Letter from Dr Peter Bristow, Chief Executive, Darling Downs Hospital and Health Service to Dr McCarron refers to testing done by DEHP (30 minute passive air sample organised by DEHP)	Dr Bristow states:  "I can advise that a comprehensive testing plan for air contaminants in the Wiambilla Estates region is currently being developed by DEHP in consultation with the Darling Downs Public Health Unit (DDPHU)..."	Letter
Aug 2014	Curtis Island LNG plant being brought online - Heat map from giant regional flares are now detectable by NASA satellite	NB: No testing plan ever eventuated Preparation for export. The flares have burned almost continuously for 6 months. At times up to 9 giant flares have a heat stamp visible via NASA radar. In addition numerous smaller flares and raw venting of gas is allegedly occurring.	Sky Truth Gas visualisation website: <a href="http://skvtruth.org/vlirs/">http://skvtruth.org/vlirs/</a>
01/08/14	Diary Entry	"Rang Shine [Lawyers] to say that I would give QGC another week"	Diary
02/08/14	Diary Entry (John)	"Flair (sic) is back. Out kitchen window"	Diary
24/08/14	Diary Entry (John)	"Loader/trucks Lot 10. Phone call. Talk to police. Drilling south"	Diary
25/08/14	Diary Entry (John)	"Traffic and drilling rig south"	Diary
26/08/14	Diary Entry (John)	"Rig and traffic. 71 dha"	Diary
30/08/14	Diary Entry (John)	John makes complaint about rig noise. "Ross Peoples QGC rang to meet after lunch about rig noise"	Diary John purchases noise monitoring equipment Diary QDEX - **QGC increase drilling program throughout 2014 to S-SE of house.

03/09/14	Australian Radiation Services	Certificate of Analysis CS 137 found in solid sediment in bottom of families drinking water tank Nb: <b>Cesium 137 is used in CSG drilling and the only likely source of CS 137 is from surrounding CSG activity.</b> Drinking cesium-137 contaminated water, would place the cesium-137 inside the body, where it would expose living tissue to gamma and beta radiation. Increasing the likelihood of cancer. "Dr Tara re hart (sic)" Heart "RO Noise all night"	Test results <a href="http://coalseamgasnews.org/qld/csg-drilling-fig-workers-in-queensland-exposed-to-radiation-by-schlumberger/">http://coalseamgasnews.org/qld/csg-drilling-fig-workers-in-queensland-exposed-to-radiation-by-schlumberger/</a> <a href="http://www.epa.gov/radiation/radionuclides/cesium.html#whereobes">http://www.epa.gov/radiation/radionuclides/cesium.html#whereobes</a>
23/09/14	Diary Entry (John)		Diary
24/09/14	Diary Entry (John)		Diary
24/09/14	John has health episode – dizziness – coincidentally an excavator driver nearby also suffered same symptoms when he scraped the bottom of a nearby quarry. He was hit with a wall of smell and forced to flee his machine.	Dr dismissed Johns concerns- as John had "driven himself to the clinic", he "must be okay"  [NB: This dismissiveness of reported symptoms by local GP's and Govt. clinics is a feature of complaints reported by Dr McCarron in her interviews with gas field residents]	Tara Medical Centre URN013707  Handwritten notes of conversation CG/JJ Dr McCarron Report  <a href="http://www.bom.gov.au/climate/dwa/201409/html/DIDW4083.201409.shtml">http://www.bom.gov.au/climate/dwa/201409/html/DIDW4083.201409.shtml</a> Wind from NE-N direction (Kenya Treatment Plant)
29/09/14	Diary Entry (John)	Rang DEHP to find out about air testing	Diary
01/10/14	Diary Entry (John)	"RO & compressor 61.9 dbh"	Diary
02/10/14	Diary Entry (John)	"RO noise & compressor 60 dbh." "Rang Ethan about RO noise"	Diary
02/10/14	Ambient Noise Testing results received - done by Ron Rumble (2 – 15 July 2014)	Testing shows truck traffic noise outside Jenkyn's home during the night	Test results
02/10/14	Letter from Dr Peter Bristow (Qld Health) to Dr McCarron	Bristow again states "...comprehensive testing plan for air contaminants in the Weimbilla Estates region is currently being developed by DEHP..."	Letter
27/10/14	Letter from Dr Bristow to Dr McCarron	** This testing was being promised for two years. He reaffirms the position that his department "...also aims to support the health of residents, and does not want to see residents health adversely impacted".  He then goes on to say that DEHP determined that:	NB TESTING HAS BEEN PROMISED FOR 2 YEARS  Dr McCarron letter  Weimbilla Estates Odour Investigation Results, July-December 2012

		<p>“...the air quality data from Tara indicated compliance and thus did not support expanding the program”</p> <p>NB: It appears this decision now <b>NOT TO UNDERTAKE THE PROMISED AMBIENT AIR QUALITY TESTING</b> was based on:</p> <ul style="list-style-type: none"> <li>• The results of a limited number of ad hoc air samples taken by residents several km to the SW in approx. mid- 2012 (when the Kenya Processing facility was not operational and there was little infrastructure. (Pipelines, compressors etc.)</li> <li>• In-house testing done by QGC in the Kate gas field approx. 5 km south of the Jenkyn’s home.</li> </ul> <p>Bristow further states:</p> <p>“...DEHP is planning to perform a more comprehensive testing regime of ambient air quality of the area around the Jenkyn residence in response to their ongoing concerns”</p>	<p><a href="http://www.health.qld.gov.au/publications/appx4.pdf">http://www.health.qld.gov.au/publications/appx4.pdf</a></p> <p>NB: In 2012 – Dr McCarron has asked for results of Kate well monitoring but QGC refused to provide these to her.</p>
13/11/14	Diary Entry (John)	“Senate inquiry stuff sent”	Diary (submission for Qld Senate Inquiry)
14/11/14	Diary Entry (John)	“Charged at Chinchilla” – QGC report a personal Facebook status comment made by John.	Diary
20/11/14	Newspaper article headline inaccurately describes the offence and charge. “Man charged for Facebook threat to shoot CSG workers” Diary Entry (John)	John contacted journalist who claims police provided the information, however police denied doing so.	<a href="http://www.northernstar.com.au/news/facebo-ok-threats-man-is-charged/2458591/">http://www.northernstar.com.au/news/facebo-ok-threats-man-is-charged/2458591/</a>
23/11/14	Diary Entry (John)	QGC Contractors ring police and complain that he was “driving erratically on Church St” on Saturday 22 <sup>nd</sup> . John was in fact at work at the time and it wasn’t him. John feels that QGC are trying to fabricate a case against him.	Diary Conversation with MC & CG

26/11/14	Diary Entry (John)	Court	Charge sheet
27/11/14	Environmental Nuisance Complaint	John's comments "Flaring - Bad taste in mouth, burning nose and eyes." "Getting covered in an oily substance and black powder stuff"	Complaint form <a href="http://www.bom.gov.au/climate/dwo/201411/html/DCJDW4083.201411.shtml">http://www.bom.gov.au/climate/dwo/201411/html/DCJDW4083.201411.shtml</a> Miles Airport show winds from NNW in the morning, from same direction as the Kenya Treatment Facility
12/12/14	Diary Entry (John)	Rang Penny Hutchinson about air testing [she is] "still trying to put it off"	Diary
Nov - Dec		Flares all around district. <b>Sky has been orange at night for 3-4 months as QGC flare ramp up gas ready for first shipment out of Gladstone early January</b>	Photos SkyTruth time lapse NASA satellite
30/12/14	Diary notes show John trying to get legal advice 30 Dec.	NB: Not been a pleasant way for a family (already under intolerable stress) to spend their Christmas	
29/11/15	Mention @ Chinchilla Court House	<b>John again asks QHealth to test her for heavy metals but request is denied.</b> Worried metals are accumulating and interacting with medication.	Hospital records Diary
03/02/15	Jo hospitalised for two weeks suffering a nervous breakdown.		
09/02/15	DEHP contact John to place test equipment near his house. They refuse to tell him what they are testing for.	To collect on 16 <sup>th</sup> Feb. [Surmise that this may be the "....more comprehensive" DEHP testing around the Jenkyn's residence in lieu of testing the general area of the Wreimbilla Estate?]  John notes that the test device is placed 32 m from house the opposite side of an obstruction (tree) from the Kenya Facility. <b>John also notes that the days they feel most unwell are when the wind is still or when blows from the N-NW-W (from the direction of Kenya Treatment Facility and large flares). At this time of the year the general wind direction is from E-SE</b>  John wonders why they have chosen to conduct tests at a time when the wind is blowing the opposite direction from the ponds and processing facility.	Photograph Diary BOM - wind direction data <a href="http://www.bom.gov.au/climate/dwo/DCJDW4039.latest.shtml">http://www.bom.gov.au/climate/dwo/DCJDW4039.latest.shtml</a> <b>**Miles airport - winds predominantly from the East during test period, blowing toward the Kenya Processing and treatment facility. Sampling bias.</b>  Screenshot attached (below)  Facebook conversation with MC and CG

Jo was hospitalised on 3<sup>rd</sup> February 2015 for two weeks after suffering a nervous breakdown. John again asked QHealth to test her for heavy metals – his request is denied. John is worried that the metals are accumulating in Jo’s system and reacting with her medication.

On the 9<sup>th</sup> February 2015, DEHP contact John to place test equipment near his house. They refuse to tell John what they are testing for.

John measured the testing device as being placed 32m from his home on a tree on the opposite side from the QGC Kenya facility. He also notes that the days that the family feel most unwell, are when the air is either still, or with wind blowing from the N–NW–W (ie from the direction of the Kenya Treatment Facility and Compressor Station/multiple flares). At this time of year the general wind direction is from the E–SE.

John wonders why DEHP have chosen to conduct tests at a time when the wind is blowing in the opposite direction from the ponds and processing facility.

Here is a screenshot of weather observations for the month of February 2015 (Miles).

				Testing device appears to be an SMK-100 which (if correct) tests only for formaldehyde																					
														<a href="https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf">https://www.dnrm.qld.gov.au/data/assets/pdf_file/0020/238124/petroleum.pdf</a>											
February 2015 Daily Weather Observations																									
Date	Day	Temps		Rain	Evap	Sun	Max wind gust				9 am				3 pm										
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP	Temp	RH	Cld	Dir	Spd	MSLP				
		°C	°C	mm	mm	hours	km/h	local	°C	%	gth	km/h	hPa	°C	%	gth	km/h	hPa							
1	Su	11.6	33.0	0			SW	41	16	34	25.9	35	WSW	7	1007.1	32.7	16	WSW	15	1004.0					
2	Mo	14.5	33.1	0			E	57	19	56	26.9	56	NE	9	1008.2	30.0	37	E	22	1005.2					
3	Tu	19.3	29.7	0			ESE	46	16	50	23.3	58	SE	20	1012.0	27.3	34	SE	17	1008.7					
4	We	16.4	29.8	0			ESE	41	19	15	22.8	56	SE	11	1011.2	28.7	30	S	22	1008.7					
5	Th	16.6	30.6	0			E	54	21	36	25.0	39	ESE	33	1016.4	29.7	28	ESE	24	1014.5					
6	Fr	16.6	30.0	0			ESE	54	07	59	24.5	50	E	37	1020.9	29.0	34	SE	22	1018.1					
7	Sa	13.3	31.2	0			E	41	08	24	23.0	54	E	28	1021.9	30.2	28	ESE	13	1017.3					
8	Su	16.7	32.9	0			S	35	11	30	25.5	52	ENE	13	1019.4	31.5	30	SSE	17	1015.8					
9	Mo	16.0	33.0	0			ESE	48	13	46	25.9	53	ESE	17	1018.2	32.2	25	SE	30	1015.7					
10	Tu	18.2	30.6	0			SE	57	16	28	25.4	52	ESE	31	1019.0	30.2	34	E	33	1016.5					
11	We	17.3	30.2	0			SE	52	12	43	24.5	58	ESE	33	1018.2	28.5	36	ESE	35	1015.4					
12	Th	17.6	32.8	0			E	48	16	13	26.0	54	E	24	1017.8	30.5	30	ESE	24	1014.2					
13	Fr	17.1	32.3	0			ESE	57	19	25	25.3	51	ESE	28	1018.3	30.9	29	ESE	28	1014.7					
14	Sa	15.8		0							25.3	49	ENE	33	1019.3										