



LIMERICK GASWORKS REMEDIATION

Stakeholder Management Plan



Stakeholder Management Plan – Limerick Gasworks Remediation

The Plan aims to:

- To establish and maintain mechanisms for effective and timely communication.
- To coordinate all levels and types of communication in relation to the project with those involved.
- To manage expectations on project progress.
- To develop over the course of the project through the accumulation of further information from the different business functions.

1.0 Stakeholder Liaison Programme of Works

1.1 Communications for this project have been agreed by the following team:

- Project Planning Manager – Declan Burke
- Project Engineer – David Cronin (RPS)
- Community Liaison Officer – Linda O'Brien
- Corporate Affairs Team – Kathleen O'Sullivan, Elaine Hattie and Louise Browne.

Additional Project Team Members:

- Technical Project Coordinator – Ciara Allen
- Local Liaison Officer – To be appointed

1.2 Objectives & Key Messages of the Project

The project will undertake the remediation of the former gasworks site on the Dock Road, Limerick. The objective is to remove coal tars and other by-products which were produced on the site during the coal gas manufacturing process, from the 1830s and 1960s. Results of site investigations show these by-products are still present in the soil in identified areas on the site.

The key messages to be communication to all stakeholders are:

- The method of remediation chosen for Limerick is the most advanced, sustainable and least invasive approach available. It has been used successfully throughout the U.S. and Europe.
- Bord Gáis Networks' previous experience in the remediation of gasworks sites, such as Dublin, Cork and Waterford. The Limerick Site is the next in the series of sites for clean-up.
- All works will be undertaken in accordance with Environmental Protection Agency (EPA) criteria. Bord Gáis Networks will be working within EPA regulations throughout the course of the project.
- This project is one Bord Gáis Networks hopes will improve the local environment.

1.3 Timeframe & Milestones

- Site Clearance throughout 2009 and 2010.
- Site Investigations throughout 2010 to determine the scope of the project.
- A series of briefing sessions with Limerick City Council – 2011 & 2012.
- Public Information Evening to be advertised and held mid February 2012, with invitations issued.
- Project Information Brochures to be printed and available for any stakeholders. These will be issued and updated as necessary throughout the course of the project.
- Website “Go-live” following the information evening and will be updated as the project progresses. The project brochure is also available on the web page.
- Local Liaison Officer to be appointed to liaise with local residents, businesses and any other stakeholders during the period of applying for the waste licence and planning permission.
- Application for Planning Permission to be submitted to Limerick City Council Q1, 2012
- Waste Licence Application to be submitted to Environmental Protection Agency Q1, 2012
- Project Information Brochures to be printed and issued to identified stakeholders in November 2011.
- Pre-start letter to issue to all local residents and businesses prior to Stage 1 (Pump & Treat) of the project, approximately January 2013.
- Progress update leaflet to be printed on completion of Phase 1 and outlining the next steps to be undertaken in Stage 2 (Soil Stabilisation).
- Final leaflet to be printed on completion of the project (end 2014), advising on ongoing monitoring works, etc.
- Stakeholders can contact our Customer Service Team who will ensure the queries are addressed by the Project Team.
- A Local Liaison Officer will be available to manage queries.

1.4 Frequency and methods of communication

Communication Type	Frequency	Personnel
Project Meetings	Monthly	Project Team
Stakeholder Management Meetings	Monthly	Communications Team
Project Information Brochure	Once off/as requested to identified stakeholders, from February 2012	<ul style="list-style-type: none"> • Sign-off by Communications Team. • Issued by Community Liaison Officer
Website Page	Updated as required from February 2012	Community Liaison Officer
Press Release	Once off – Spring 2012	Corporate Affairs
Prestart letters	Two weeks prior to	<ul style="list-style-type: none"> • Community Liaison

	works in any particular area	Officer sign-off. • Local Liaison Officer/Contractor issue
Progress Reports for Customer Service Team and AA (if required)	Weekly	Corporate/ Community Liaison Officer
General Status to be included on weekly Project Status Sheet	As required	Community Liaison Officer
Questions & Answers	Once-off/as required	Communications Team

2.0 Stakeholder Assessment & Mapping – Stakeholder List Creation

2.1 Desk-based research

Information was gathered through desktop research, together with information from the Project Team, Limerick Office, etc.

2.2 On-site inspection

Further investigation by means of a walk through surveys and discussion with local neighbours took place on the ground to capture population density, economic status, active community groups and any additional stakeholder groups.

The information gathered was used to profile stakeholder groups.

3.0 Stakeholder Liaison Programme – Consultation

3.1 Continuous consultation with all identified/agreed stakeholders including

- Statutory Bodies
- Local Authorities
- Elected Public Representatives
- Neighbouring residents and businesses
- Environmental groups
- Others

3.2 Brief Bord Gáis Networks Customer Service Team and Points of Contact in the organisation, with future project details, progress and plans.

3.3 Outline & agree Communication tools e.g. Brochures, leaflets, postcards, signage, etc.

Stage 4 – Update Stakeholder Liaison Programme – Refine for Project Go-Live

- 4.1 Review communications materials for issue
- 4.2 Brief agreed stakeholders
- 4.3 Brief Contractor & collaborate for dispersal of communications materials
(prestart letters)

Stage 5 – Go Live – Stakeholder Liaison Programme Delivery

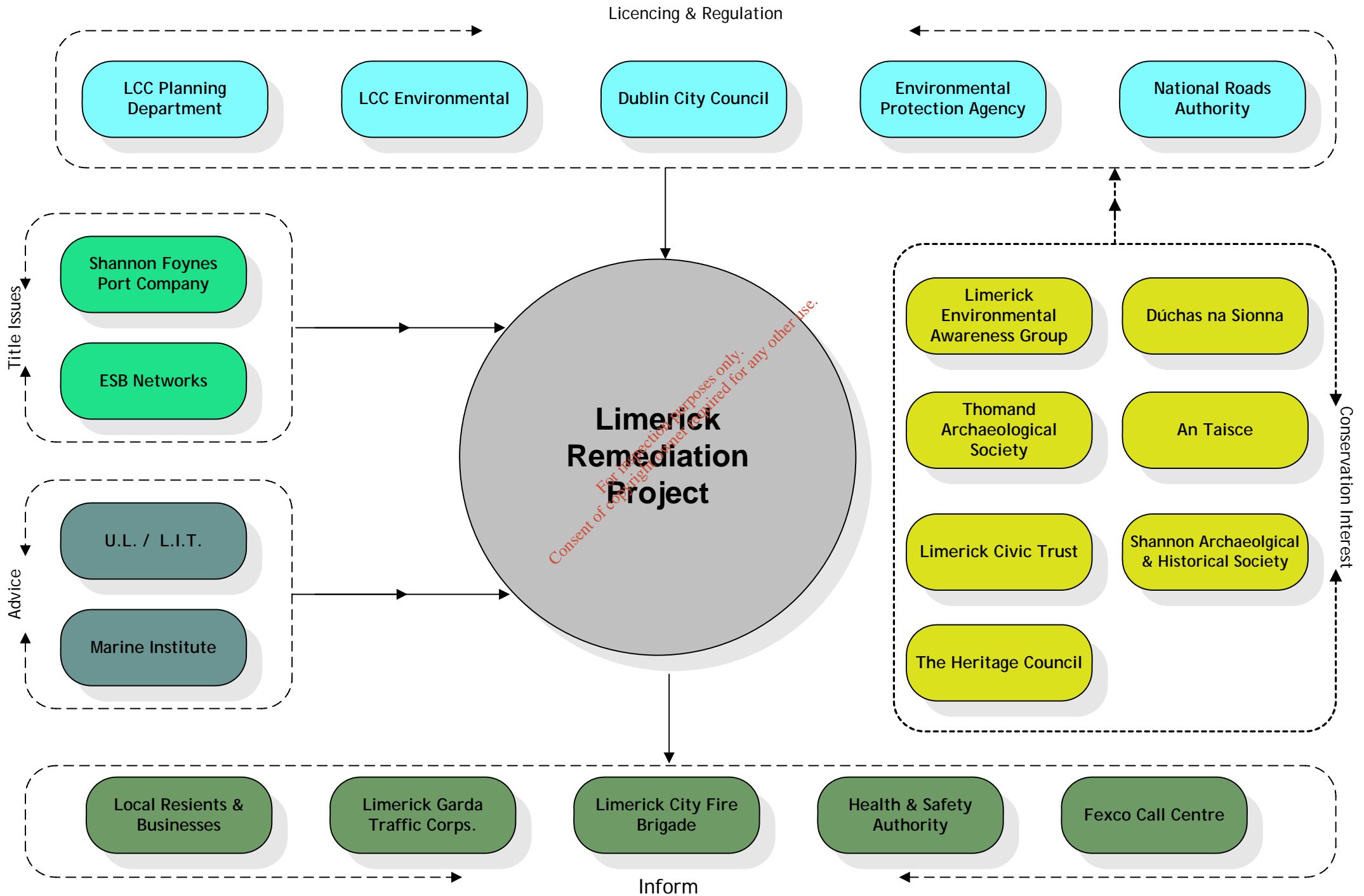
- 5.1 PR Activities – as determined by Corporate Department
- 5.2 Issue communication materials
- 5.3 Update website
- 5.4 Monitor feedback and address queries from stakeholders
- 5.5 Update stakeholder list with any previously unidentified stakeholders

Communication Publications to Date:

- April 2009, Flyer – Site Clearance
- May 2010, Flyer – Hoarding Replacement
- June 2010, Flyer – Site Investigations
- September 2011, Flyer – Site Investigations
- February 2012, Flyer – Invitation to the Public Information Evening delivered door-to-door to all residents and businesses in the surrounding area.
- February 2012, Project Information Brochure

LIMERICK REMEDIATION PROJECT - STAKEHOLDERS

Rev 3 May 2009



Previous Remediation Projects

Bord Gáis Networks has extensive experience in the remediation of former gasworks sites.

Cork Gasworks

The site of the former Gasworks was remediated in 1998/1999 and is now the location for the Bord Gáis Networks Headquarters.



Before



After

Waterford Gasworks

The former Gasworks in Waterford was remediated in 2006/2007 and the site is now ready for development in line with the Waterford City Development Plan.



Before



After

Future Site Use

Once the Limerick Gasworks site has been remediated, it will be suitable for development in accordance with the Limerick City Development Plan.

While there are currently no plans for its future use, this project will complete the clean-up of the site and facilitate its reintegration to Limerick City.



Pre-Remediation



Planned Post Remediation

Contact Us

Bord Gáis Networks is committed to ensuring all works will be undertaken in a safe and environmentally responsible manner, in cooperation with the local community. We have a dedicated Community Liaison Team to respond to any concerns the local community may have.

For further information:

Phone: 1850 200 694
Monday to Friday 8am to 8pm, Saturday 9am to 5.30pm.

Email: limerickgasworks@bge.ie

Post: Community Liaison Officer,
Bord Gáis Networks,
Newtown Centre,
Annacotty,
Co. Limerick.

Website: www.bordgais.ie/networks/

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30388/02/2012

Limerick Gasworks Remediation Information Brochure



Introduction

Bord Gáis Networks constructs and extends the natural gas network in Ireland to the highest safety standards. We deliver natural gas through the pipeline network to over 640,000 customers throughout the country and we are responsible for connecting all natural gas customers to the network.



Our activities can have an impact on the environment. We recognise our responsibility to manage and minimise this impact. Bord Gáis Networks is planning to clean up the site of the former Gasworks on the Dock Road in Limerick. This major environmental project is one we hope will benefit not only the local environment, but also the Limerick community.

As the site has been vacant for some time, we are informing local residents and businesses of the planned work so there is no concern or surprise by the increased level of activity in the area. We do not expect the project to cause any major disruption to the local community. This information leaflet provides interested parties with an overview of the project.

Site History

Prior to the discovery of natural gas in Ireland almost 40 years ago, 'towns gas' was manufactured for use in towns around the country. It was delivered to the user through a piped distribution system in Dublin, Cork, Limerick and Waterford. Gas was produced using coal on the site in Limerick from the 1830s until the late 1960s.



The 'coal gas' manufacturing process created energy for lighting and heating, and also produced a number of by-products including coal tar. Coal tar was used for roofing, building roads, fencing and railway sleepers. The coal tar was stored in underground tanks.

Limerick Gasworks Remediation Project

Bord Gáis Networks has already undertaken a number of preparatory activities on the site such as site clearance, replacement of hoarding, and ground investigations. The clean-up or remediation process for the site consists of a two-stage process.



Stage 1: 'Pump & Treat'

'Pump & Treat' is an effective and internationally recognised method of removing coal tar from the earth. It involves the pumping of heated water into the ground through a series of bore holes. The heated water mixes with the coal tar and is then removed. The coal tar is separated from the water and removed from site.

The coal tar will then be recycled or used as a fuel (such as in cement kilns), or will be disposed of via a waste transfer company, in line with the EU Waste Framework Directive.

Stage 2: 'Soil Stabilisation'

The second stage of the remediation process is to carry out a shallow excavation across the site. The excavated material will be mixed with a binder to immobilise any remaining contamination. This stabilised soil will then be backfilled and topped with a capping layer of crushed clean material.

The remediation project will have a waste licence, which will be issued by the Environmental Protection Agency (EPA). Planning permission will also be required from Limerick City Council.

Regular inspections will be carried out on site to ensure that there is no impact to the surrounding environment from the remediation works. A comprehensive site validation process will be undertaken at the end of the project, to ensure that all necessary material has been removed.

A Sustainable Approach to Remediation

Managing our environmental impact is a key activity for Bord Gáis Networks, and includes reducing our carbon footprint where possible. Bord Gáis Networks is committed to reducing its CO₂ output. CO₂ is a major greenhouse gas, which has direct effects on global temperatures.



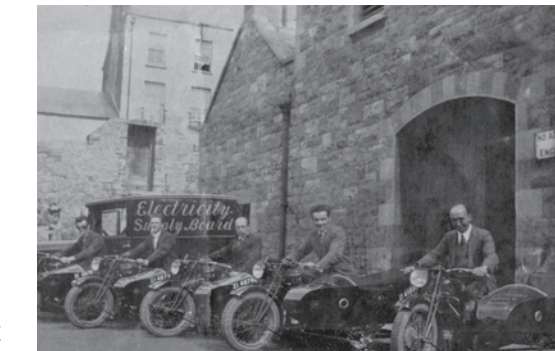
The more sustainable 'Pump and Treat' approach proposed for the remediation of Limerick Gasworks will have a lower impact on the environment when compared to more traditional approaches.

The other environmental advantages of this method of remediation include:

- Lower air emissions and odours released as the system is fully enclosed
- Noise levels will be low as generators will be in silenced containers
- A reduced amount of traffic to and from the site
- Clean soil and materials will be reused on the site
- Coal tar will be recycled for use in cement kilns, where possible.

Protected Structures

There are two structures with 'Protected Status' on the Limerick Gasworks site. These are the front boundary wall along the Dock Road and the former power generation building to the rear of the site. All necessary control measures will be put in place while working in the vicinity of these structures.



Former power generation station on Dock Road.

Proposed Timeline



* Dates dependent on waste licence and planning permission.

keeping you **informed**

Limerick Gasworks



We would like to inform you of our intention to clean up the site of the former Gasworks over the coming months.

Safety is always our priority and therefore we would appreciate your co-operation during the works.

The clean up will involve:

- Clearance of site vegetation
- Clearance of materials that have accumulated on site
- Working hours will be Monday to Friday, from 9am to 5pm

Contact Information

We do not envisage any disruption to you during the works, however, should you have any queries, please contact us by any of the following means:

Phone: 061 337220

Email: limerickgasworks@bge.ie

Post: Bord Gáis Networks, Newtown Centre, Annacotty, Co. Limerick.

tú á choinneáil ar an eolas

Oibreacha Gáis Luimnigh



Ba mhaith linn tú a chur ar an eolas maidir leis an rún atá againn láithreán na nOibreacha Gáis a bhí ann tráth a ghlanadh i gcaitheamh na míonna seo chugainn.

Tugaimid tús áite i gcónaí don tsábháilteacht agus, dá bhrí sin, ba mhór againn do chomhoibriú i gcaitheamh na n-oibreacha.

Is éard a bheidh i gceist leis an nglanadh:

- An fásra ar an láithreán a bhaint
- Ábhair éagsúla a tháinig ar an láithreán le himeacht aimsire a bhaint
- Is iad na huaireanta oibre a bheidh i gceist ná Luan go hAoine, 9r.n. - 5i.n.

Eolas Teagmhála

Ní dóigh linn go gcuirfidh na hoibreacha isteach ort ach, má bhíonn aon cheist agat, téigh i dteagmháil linn ar cheann ar bith de na bealaí seo a leanas:

Guthán: 061 337220

R-phost: limerickgasworks@bge.ie

Post: Bord Gáis Networks, Ionad an Bhaile Nua, Áth an Choite, Co. Luimnigh.

keeping you **informed**

Limerick Gasworks



Thank you for your patience during our recent site clearance works.

Following on from this, we would like to inform you of our intention to carry out ground investigation of the former Gasworks site over the next 2-4 weeks.

As always, safety is our priority and therefore we would appreciate your co-operation during the works.

The ground investigation will involve:

- Excavating trial pits
- Taking soil samples
- Working hours will be Monday to Friday, from 8.30am to 5.30pm

Contact Information

As before, we do not envisage any disruption to you during the ground investigation works. However, should you have any queries or concerns please contact us by any of the following means:

Phone: 061 – 337220 (normal office hours)

Email: limerickgasworks@bge.ie

Post: Bord Gáis, Newtown Centre, Annacotty, Co. Limerick.

tú á choinneáil ar an eolas

Oibreacha Gáis Luimnigh



Go raibh maith agat as f'fhoighne le linn ár n-oibreacha le déanaí

Ag leanúint ar aghaidh leis seo, ba mhian linn cur in iúl duit go bhfuil sé ar intinn againn scrúdú talún a dhéanamh ar iarláithreán na n-Oibreacha gáis le linn 2-4 seachtaine amach anseo.

Mar is gnáth linn, is í an tsábháilteacht ár dtosaíocht agus ba mhór againn do chomhoibriú le linn na n-oibreacha seo.

Is é atá i gceist leis an scrúdú talún:

- Poill thrialacha a thochailt
- Samplaí ithreach a ghlacadh
- Is iad na huaireanta oibre ná Dé Luain go Dé hAoine, 8.30r.n. go 5.30i.n.

Faisnéis Teagmhála

Mar a bhí roimhe, tá sé beartaithe againn gan tú a chur amach le linn na n-oibreacha scrúdaithe talún. Má bhíonn aon cheist nó imní agat, áfach, déan teagmháil linn le do thoil trí idir:

Fón: 061 – 337220 (gnáthuaireanta oibre oifige)

R-phost: limerickgasworks@bge.ie

Post: Bord Gáis, Lárionad an Bhaile Nua, Átha an Choite, Co. Luimnigh.

Keeping You Informed

Limerick Gasworks

Invitation to a Public Information Evening

Bord Gáis Networks would like to invite all interested parties to a public information evening in relation to the proposed remediation (clean-up) of the Limerick Gasworks site on Dock Road.

Details of the event are as follows:

Date: Thursday 16th February 2012

Time: Between 5pm and 9pm

Location: Pegasus Suite, 1st Floor, Clarion Hotel, Steamboat Quay, Limerick.

Interested parties can call in at anytime during these hours to meet the Project Team, who will be available to provide further information and discuss any queries in relation to the project.

We look forward to meeting you on the evening. However, if you are unable to attend and require further information on the project please contact us:

Phone: 1850 200 694 (Monday to Friday 8am to 8pm, Saturday 9am to 5.30pm)

Email: limerickgasworks@bge.ie

Post: Community Liaison Officer, Bord Gáis Networks,
Newtown Centre, Annacotty, Co. Limerick.



Tú a Choinneáil ar an Eolas

Oibreacha Gáis Luimnigh

Cuireadh chuig Tráthnóna Eolais don Phobal

Ba mhaith le Bord Gáis Networks cuireadh a thabhairt do gach páirtí leasmhar teacht chuig tráthnóna eolais don phobal mar gheall ar an bhfeabhsú (glanadh) atá beartaithe ar Láithreán Oibreacha Gáis Luimnigh ar Bhóthar an Duga.

Seo a leanas na sonraí:

Dáta: Déardaoin 16ú Feabhra 2012

Am: Idir 5pm agus 9pm

Láthair: Óstán an Clarion, Pegasus Suite, 1ú Uirlár

Féadfaidh páirtí leasmhara bualadh isteach uair ar bith idir a cúig agus a naoi an tráthnóna sin chun breis eolais a iarraidh ar an bhFoireann Tionscadail, nó ceist ar bith mar gheall ar an tionscadal a phlé leo.

Tá súil againn go gcafaimid leat an tráthnóna sin. Murar féidir leat bheith i láthair ach gur mhaith leat eolas breise a fháil seo duit na sonraí teagmhála:

Fón: 1850 200 694 (Monday to Friday 8am to 8pm, Saturday 9am to 5.30pm)

R-phost: limerickgasworks@bge.ie

Post: Community Liaison Officer, Bord Gáis Networks,
Ionad an Bhaile Nua, Áth an Choite, Co. Luimneach.



Limerick Gasworks



Thank you for your patience during our recent site investigation works.

We would now like to inform you of our intention to carry out repairs to the hoarding on the O'Curry Street boundary of the former Gasworks site. Works will take 1–2 weeks to complete.



Safety is always our priority and therefore we may need to temporarily close a section of the footpath during the works. This may also temporarily impact the on-street parking along this section of O'Curry Street. We would appreciate your co-operation during this time and apologise for any inconvenience this may cause.

Contact Information

We will endeavor to minimise disruption to local residents during these repair works. However, should you have any queries or concerns please contact us by any of the following means:

Phone: 061 337220 (9.00am – 5.00pm)

Email: limerickgasworks@bge.ie

Post: Bord Gáis Networks, Newtown Centre, Annacotty, Co. Limerick.

Oibreacha Gáis Luimnigh



Go raibh maith agat as do chuid foirme i rith ár n-oibreacha iniúctha suimh le déanaí.

Ba mhaith linn tú a chur ar an eolas anois go bhfuil sé i gceist againn deisiúcháin a dhéanamh ar an gcrannóg ar theorainn Shráid Uí Chomhraí an iarshuimh Oibreacha Gáis. Tógfaidh sé 1-2 seachtain na hoibreacha a chur i gcrích.

Tá cúrsaí sábháilteachta mar thosaíocht againn i gcónaí agus b'fhéidir go mbeidh orainn cuid den chosán a dhúnadh le linn na n-oibreacha dá bharr. D'fhéadfadh sé seo cur isteach go sealadach freisin ar an bpáirceáil shráide taobh leis an gcuid seo de Shráid Uí Chomhraí. Ba mhaith linn do chomhoibriú a fháil i rith an ama seo agus gabhaimid leithscéal as aon mhíchaoithiúlacht a bheidh mar thoradh ar na hoibreacha seo.

Eolas Teagmhála

Déanfaimid ár ndícheall cur isteach ar áitritheoirí áitiúla a laghad is féidir le linn na n-oibreacha deisiúcháin seo. Má tá aon cheist agat, áfach, nó má tá aon rud ag déanamh imní duit téigh i dteagmháil linn tríd na bealaí seo a leanas le do thoil:

Fón: 061 337220 (9.00am – 5.00pm)

Ríomhphost: limerickgasworks@bge.ie

Post: Lónraí Bhord Gáis, Ionad an Bhaile Nua, Áth an Choite, Co. Luimnigh.



Limerick Gasworks



Thank you for your patience during our site investigation works.

Following on from this, we would like to inform you of our intention to conduct further site investigations of the former Gasworks site. It is anticipated that these works will take one week to complete.

As always, safety is our priority and therefore we would appreciate your co-operation during the works.

The ground investigation will involve:

- Excavating trial pits
- Taking soil samples
- Working hours will be Monday to Friday, from 8.30am to 5.30pm

Contact Information

As before, we do not envisage any disruption to you during the ground investigation works. However, should you have any queries or concerns please contact us by any of the following means:

Phone: 061 – 337220 (normal office hours)

Email: limerickgasworks@bge.ie

Post: Bord Gáis Networks, Newtown Centre, Annacotty, Co. Limerick.

Oibreacha Gáis Luimnigh



Go raibh maith agat as d'fhoighne le linn ár n-oibreacha imscrúdaithe láithreáin.

Ina theannta sin, ba mhaith linn tú a chur ar an eolas faoinár gcuispóir tuilleadh imscrúduithe láithreáin a dhéanamh ar iarhsuíomh na nOibreacha Gáis. Táthar ag súil go dtógfaidh na hoibreacha seachtain amháin chun iad a chur i gcrích.

Mar is gnáth, tá tús áite tugtha do shábháilteacht agus dá bhrí sin bheadh muid buíoch as do chomhoibriú le linn na n-oibreacha.

I gceist san imscrúdú talún beidh:

- Poill thrialacha tochailte
- Samplaí ithreach a thógáil
- Uaireanta oibre Luan go hAoine, ó 8:30 go 17:30

Eolas Teagmhála

Cosúil leis an am roimhe seo, níl muid ag súil le haon chur isteach ort le linn na n-oibreacha imscrúdaithe talaimh. Mar sin féin, má tá aon cheisteanna nó imní agat, ba chóir duit dul i dteagmháil linn trí cheann de na modhanna seo a leanas:

Fón: 061 – 337220 (gnáthuaireanta oifige)

R-phost: limerickgasworks@bge.ie

Post: Bord Gáis Networks, Ionad an Bhaile Nua, Áth an Choite, Co Luimnigh.