



Mossmorran & Braefoot Bay Community & Safety Committee Report

Meeting on Thursday 12th September 2019
Report covering period June 2019 - August 2019

1. Safety & Environmental
2. Emergency Planning Exercises
3. Fife NGL Plant Activities
4. Braefoot Bay Activities
5. Workforce
6. Site Visits
7. Community, including Notices & Feedback
8. Social Investment & Events
9. Grants, Donations and Support
10. Ongoing Social Investment

1. Safety & Environmental

Personal Safety: We have no significant information to report this quarter with regard to personal safety at the plant and the terminal.

Process Safety: With regard to process safety, we installed new, double seals on the Butane Boil Off Compressor system to improve the process safety and environmental performance of this unit. It was a challenging scope to design and execute, and represents a significant milestone completed without the need to flare thanks to diligence and care by the project and operations team.

Annual maintenance update: In follow up to my 7th August community notice regarding the planned intermittent flaring for our annual maintenance activity or 'Turnaround' as we call it, we completed the task of emptying one of the plant's processing modules and carried out maintenance safely.

Our planning allowed us to manage this process carefully and prioritise use of our ground flares so that we used our elevated flare stack for less than one hour over the 72 hour period we notified. Some elevated flaring that followed in August was as notified by the neighbouring Fife Ethylene Plant as it shut down temporarily.

Environmental and operational update: The Shell Fife Natural Gas Liquids (NGL) plant is in a transitional phase as it adjusts operations to continue to process following the temporary shutdown of the neighbouring Fife Ethylene Plant (FEP).

The flow of product that comes to us in the gas supply system from the North Sea has been reduced in order that we can stop the supply of ethane to the FEP while it is not operating.

There are volumes, particularly of ethane, going through the Fife NGL ground flares as we manage the unavailability of FEP as an outlet for ethane in compliance with our Pollution Prevention and Control (PPC) Permit.

Due to these unusual circumstances, there have been occasional, short periods of minutes of low volume flaring in the Fife NGL plant's elevated flare. We communicated that we expect this pattern to continue, regrettably, as we manage the situation.

We have explained that this means there are likely to be occasional, short periods of flaring in the elevated flare stacks on site. And due to the absence of steam from FEP, which would allow for clean combustion, this could be smoky for short periods. We informed the regulator SEPA of this, and they are aware of the unusual situation.

The elevated flaring will not be continuous during the FEP shutdown period, and we aim to minimise it. We will prioritise use of the Fife NGL ground flares, which are less visible than the elevated flare stacks, so as to minimise the impact on the community. We have apologised for any inconvenience or concern caused by this flaring, and said there is no risk to the local community.

The importance of continuing to process Natural Gas Liquids (NGLs) at the Fife NGL plant is to maintain the **supply of energy** products on which thousands of communities regionally and nationally depend. Key is how the plant enables methane gas to be taken off at the St Fergus Gas Plant.

St Fergus supplies gas to the National Grid for homes, schools and hospitals for cooking gas, as well as to gas-generated power plants that produce electricity across the country. Fife NGL supplies, for example, the propane gas that is distributed to off-grid users in remote locations in Fife and beyond.

Best Available Techniques (BAT): Following the submission of our Best Available Techniques (BAT) Assessment in April 2019, SEPA issued a permit variation to our Pollution Prevention and Control (PPC) permit, which in a simple terms summary requires us to:

- Submit a regular (three monthly) review of ground flaring at the installation from Jan 2020
- Submit details of modifications to the elevated flare system by Jan 2020
- Submit a project plan for a totally-enclosed ground flare system by Jan 2020
- Continuously monitor and record flare gas flows and steam flow rates from Dec 2021
- Operate a low sound, high pressure elevated flare tip by Dec 2021

We are actively working these requirements to meet the permitted deadlines.

Environmental Monitoring Programme (EMP): We have submitted an Environmental Monitoring Programme (EMP) to SEPA, and we are awaiting the regulator's comment on this.

2. Emergency planning exercises

We carried out two Emergency exercises in this report period, both simulated and live-play on site with Site Incident Command and a Scottish Fire and Rescue Service (SFRS) fire appliance. These drills help ensure continuous liaison with external agencies and test our on-site competencies to effectively respond to credible emergency scenarios.

The aims and objectives were to;

- Practice and evaluate the process, information management system and procedure documents within the Emergency Control Centre (ECC)

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- Review the structure of Emergency response within the ECC
- Understand the requirements of external agencies and assistance they can provide
- Test the effectiveness response plans and procedures
- Ensure team members are aware of the “flow” of information

3. Fife NGL Activities

NGL Processed (Tonnes)

	June	July	August
<i>NGL Processing (Tonnes)</i>	243,438	266,212	199,537
<i>Planned</i>	219,630	249,803	183,901
<i>Average/Day</i>	7,321	8,058	5,932

4. Braefoot Bay Activities

Shipping (number of vessels)

	June	July	Aug
Propane	2	4	3
Butane	2	2	3
Propane/Butane	1	0	0
Gasoline	3	2	3
Total	8	8	9

5. Workforce

<i>Shell employees:</i>	89
<i>Contractors:</i>	176
<i>Trainees (Shell):</i>	8
Total:	273

6. Site Visits

- We welcomed 30 members of Shell Social Performance and Community Liaison disciplines from around the world in Fife on 4 July
- SEPA visited the site on 20 June and 21 August

7. Community, including notices and feedback

Plant Manager Teresa Waddington attended a meeting of the Fife Council Environmental and Protective Services Committee on Thursday 5th September to present an overview of the North Sea energy supply system and operations at the Fife NGL plant, and to answer questions.

A recording of the session is available to view at the Fife Council website [click here](#):

Notices and Feedback

We issued the two community notices listed below. These can be read in full on the 'Community Notices and Contact' section of the Shell Fife NGL website - [click here](#):

- Wednesday, 7 August 2019
Shell Fife NGL Community Notice: Planned maintenance and use of flare
- Wednesday, 20 August 2019
Shell Fife NGL Plant Community Notice: Operations update, and occasional flaring due to shutdown situation

Complaints

We received two complaints directly to Shell over this report period. One was regarding an odour, which turned out to be from neighbouring operator Avanti Gas. The other was from a local resident concerned about flaring and air quality generally.

We are aware of complaints to SEPA this year regarding flaring and other matters at the Mossmorran site, and we have responded to SEPA on complaints they consider may relate to Fife NGL operations.

We have requested a breakdown of the complaints to SEPA this year or at least some further detail so that we may understand them better.

A reminder of how to make a complaint directly to Shell regarding Shell Fife NGL.

If you have a complaint or some feedback for us, and your request is not urgent, then please email mairi.mckay@shell.com.

If you need to contact Shell urgently, then please phone the Gatehouse at Shell Fife NGL +44 (0) 1383 611333 or the Gatehouse at Braefoot Bay Loading Terminal +44 (0) 1383 892123.

8. Social Investment & Events

Fife Art

Entries for this year's Fife Art Exhibition closed on 2 September. The exhibition will run from 5 October to 23 November 2019 at Lochgelly Centre. The Exhibition is open to all artists living in Fife who are not currently taking, or who have not completed, a full-time degree or diploma art course. The six works that are judged to be the best by a selection panel will be bought by Shell and presented to NHS Fife hospitals and health care facilities, with winning artists receiving a Shell award of £200. The winning works will be displayed in Kirkcaldy Galleries.

2019 / 2020 Calendar overview

- c. May - Girls in Energy 2019 intake end of year celebration event with Fife College
- May 25 – Fife NGL Family Fun Day @ St Colme House
- c. May – Tomorrow's Engineers Programme – ongoing throughout the year
- June 24 – Lochgelly High School Employability – work placements
- c. June – GIE Shell Industry Experience
- c. September – Girls in Energy (2020 intake) – year-long course begins
- c. October/November - Fife Art Exhibition. Awards event in Lochgelly.
- c. December Girls in Energy Conference in Aberdeen
- c. January 2020 – Handover of Fife Art artworks to NHS Fife

9. Grants, Donations and Support

Shell Employee Action (SEA) Grants

We aim to raise awareness of the SEA Grants to shell staff on the gas plant. No requests for Shell Employee Action (SEA) Grants were received in this period.

Shell Community Grants

Burntisland over 70's Christmas Treat (100TH Anniversary)	£500
Total	£500
Total donations so far in 2019	£26,267.50

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We aim to have strong ties with, and benefit, the communities where we work. We support communities near to our UK operations through activities that meet community needs or address particular issues, often based on their suggestions.

If you have a community group who would like to make an application for support please make an application on our website here -

<https://www.shell.co.uk/sustainability/society/working-with-communities/sponsorship-and-donations.html>

10. Ongoing Social Investment

Shell UK supports a number of community development and STEM education programmes, which are summarised below. For more information, please [click here](#) to visit our website or contact John Raine at john.raine@shell.com

Scotland & fenceline programmes

Fife Art Shell has sponsored the Fife Art Exhibition for over 30 years, our longest running sponsorship in the area.

Shell - Girls in Energy Girls in Energy is a one-year course designed to open young women's eyes to the energy industry's wealth of career opportunities.

Tomorrow's Engineers Shell has contributed over £1 million to expand the Tomorrow's Engineers programme throughout the UK. It reaches approximately 200 secondary schools across Scotland (217 in 2014). <http://www.tomorrowsengineers.org.uk/>

Shell Twilight Basketball We have sessions running in Fife at Levenmouth, Dunfermline and Lochgelly on Friday nights. Shell Twilight Basketball is a national programme which provides basketball sessions infused with education and life-skills. Sessions are free for 11 to 21 year olds. <http://scottishsportsfutures.org.uk/shell-twilight-basketball/>

Shell UK national programmes

Shell has been supporting UK entrepreneurs and start-ups as part of our social investment work for almost 40 years through the Shell LiveWIRE - www.shell-livewire.org and Shell Springboard www.shell-springboard.org programmes.

The UK, as well as Shell, has changed significantly over those 40 years. Shifting the UK to a low-carbon economy has become a key priority and an enormous challenge for the world; one that's much bigger than any single company or technology can solve alone. It's important we keep refreshing our approach to supporting entrepreneurs, to ensure we are providing the most impactful support.

We plan to launch a new UK programme in late 2019 or early 2020 to support early-stage low-carbon start-ups that are dedicated to the energy transition. This is under development. Please check our website for updates: www.shell.co.uk/enterprise

This means we are no longer accepting applications for Shell LiveWIRE or Shell Springboard. The last Shell LiveWIRE programme and Shell Springboard *Young Entrepreneur of the Year* winners [were announced](#) in July 2019, and the last *Shell LiveWIRE Smarter Future Awards* winner will be announced in September 2019.