

<b>ITEM No ...2.....</b>
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**REPORT TO:** NEIGHBOURHOOD SERVICES COMMITTEE – 13 FEBRUARY 2017

**REPORT ON:** INSTALLATION OF PERMANENT GAS FLARE AT RIVERSIDE LANDFILL SITE

**REPORT BY:** EXECUTIVE DIRECTOR OF NEIGHBOURHOOD SERVICES

**REPORT NO:** 46-2017

**1.0 PURPOSE OF REPORT**

- 1.1 To seek approval for the commission and installation of a permanent gas flare at Riverside Landfill site.

**2.0 RECOMMENDATIONS**

- 2.1 It is recommended that Committee approve the purchase and installation of a permanent gas flare for the former landfill site at Riverside Drive to meet conditions within the Waste Management Licence.

**3.0 FINANCIAL IMPLICATIONS**

- 3.1 The Executive Director of Corporate Services advises that the total cost of £92,000 can be met from the allowances for Recycling and Waste Management in 2016/2017 that are included within the Community Safety/Public Protection section of the General Services Capital Plan 2017-22. This capital expenditure will be funded by a grant award of £92,000 from Zero Waste Scotland.
- 3.2 Recurring revenue costs for the operation of the flare are estimated to be approximately £7,000 per year. This can be met from allowances within the existing Neighbourhood Services revenue budget.

**4.0 BACKGROUND**

- 4.1 A Gas Management Plan was produced for the former landfill site at Riverside in 2008. Subsequently further work was undertaken to assess the gassing conditions and potential future methane production of the site, and following agreement with the Scottish Environmental Protection Agency (SEPA), a landfill gas flaring trial was undertaken in 2012 with the objective of gathering information relating to gas generation at the site so that conclusions could be drawn regarding the potential need for a permanent gas collection and flaring system as part of the Gas Management Plan.
- 4.2 The flaring trial established that whilst the site continues to produce landfill gas the quantities were such that continuous flaring could not be sustained using the technology available at the time. It was agreed during a meeting with SEPA in August 2013 that the gas monitoring regime be continued and that no flare installation be progressed. Matters were held under review pending changes in flaring technology and that methane levels continue to be observed.
- 4.3 During discussion with SEPA officers about a site licence modification in 2015, it was highlighted that the Scottish Government had revisited the gas abstraction and flaring potential of former landfill sites. The officers highlighted that new flaring technology was now available using low calorific flares, and proposed that a further flaring trial be carried out using this technology.

- 4.4 SEPA have included a condition in the site Waste Management Licence modification that requires Dundee City Council to complete an assessment of the landfill site suitability for the use of a low calorific flare within 6 months of the licence modification. Further that should the assessment demonstrate that the site is suitable for a low calorific flare then this shall be installed, commissioned and operational within 12 months of the date of the modification.
- 4.5 A temporary flare was installed in August 2016 (Article III of the minute of meeting of this Committee of 27<sup>th</sup> June, 2016, Report No 229-2016 refers). Monitoring of readings from the flare and the associated gas abstraction of the trial have established that a permanent flare can be sustained on the site using the most up to date flaring technology.
- 4.6 SEPA informed Dundee City Council that the Scottish Government could supply a grant for flaring technology at Riverside and that they had recommended that Riverside should be included as a potential site for grant support.
- 4.7 A bid was put forward to Zero Waste Scotland with the application approved in December 2016 and a grant of £92,000 being made available. The funding requires that a number of key milestones are achieved by 31<sup>st</sup> March 2017.
- 4.8 A quotation exercise from four market providers will be undertaken for the installation, procurement and purchase of a permanent gas flare to meet the above deadline. A tender outcome report will be submitted for information to a future meeting of the Neighbourhood Services Committee.

## **5.0 POLICY IMPLICATIONS**

- 5.1 The report has been screened for any policy implications in respect of Sustainability, Strategic Environmental Assessment, Anti-Poverty, Equality Impact Assessment and Risk Management. No major issues were identified.

## **6.0 CONSULTATIONS**

- 6.1 The Chief Executive, Executive Director of Corporate Services, and Head of Democratic and Legal Services have been consulted in relation to this report.

Elaine Zwirlein  
**Executive Director of Neighbourhood Services**

Gary Robertson  
**Head of Environment**

27<sup>th</sup> January 2017

## Appendix 1

Item	Timescale
Meeting with SEPA to agree future monitoring	January 2017
Commission of permanent flare	January 2017
Tender exercise for permanent flare	January – February 2017
Report to committee	February 2017
Installation of permanent flare	March 2017

