

# HAMPSHIRE COUNTY COUNCIL

## Officer Decision Record

<b>Decision Maker:</b>	Director of Economy, Transport and Environment
<b>Title:</b>	Replacement of landfill management equipment at the former closed landfill sites in Hook Lane, Somerley and Bramshill

**Contact name:** Jonathan Colwill

**Tel:** 07780 956752

**Email:** jonathan.colwill@hants.gov.uk

### 1. The decision:

- 1.1. That the Director approves the details of improvements to the landfill management equipment at three closed former landfill sites as part of the County Council's duty to manage their environmental legacy, as set out in this paper.
- 1.2. That the Director gives approval for Veolia UK Ltd, the County Council's appointed waste contractor, to procure, spend and enter into necessary contractual arrangements on the Authority's behalf to implement this scheme, at a total estimated cost of £155,000 to be funded from the Waste and Resource Management capital budget.
- 1.3. That the Director approves this addition to the 2021/22 Capital Programme at a value of £155,000.

### 2. Reason(s) for the decision:

- 2.1. Hampshire County Council, as the designated Waste Disposal Authority (WDA) for the administrative county of Hampshire, has a statutory duty to manage the legacy of 11 closed former landfill sites. This includes regularly monitoring and managing each site to ensure that it does not cause a negative environmental impact on the local area.
- 2.2. Leachate is a by-product of former landfill sites whereby water can take on properties of the material it has seeped through. If not effectively managed, it can cause damage to local watercourses and other surrounding environmental receptors. It is therefore important that leachate tanks at sites are maintained to a good standard.
- 2.3. Former landfill sites also commonly emit harmful gases, notably methane. Flaring is used to dispose of the flammable constituents safely and to control odour risks, health risks and environmental impact. Again, maintaining flaring equipment is critical to avoid negative outcomes.

- 2.4. New equipment will allow Hampshire County Council to improve the cost effectiveness of its landfill operation through improved leachate tankering operations and better energy consumption from gas flaring operations.
- 2.5. New equipment will provide greater carbon efficiency in the landfill operation due to HGV tanker operations being more efficient, and lower electricity usage resulting from gas flaring operations.
- 2.6. New equipment will present improved safety measures further reducing operational risks to the Council's appointed contractor, Veolia UK Ltd., and their landfill technicians.

**3. Other options considered and rejected:**

- 3.1. Non-replacement of existing equipment is not an option as there would be a risk to public health and the local environment surrounding the former landfill site. It is the County Council's statutory duty to manage its' closed landfill legacy effectively and safely.

**4. Conflicts of interest:**

- 4.1. None.

**5. Dispensation granted by the Head of Paid Service:**

- 5.1. None.

**6. Supporting Information:**

- 6.1. None.

**Approved by:**



**Stuart Jarvis**

**Director of Economy, Transport and Environment**

**Date:**

04/06/2021

# HAMPSHIRE COUNTY COUNCIL

## Decision Report

<b>Decision Maker:</b>	Director of Economy, Transport and Environment
<b>Title:</b>	Replacement of landfill management equipment at the former closed landfill sites in Hook Lane, Somerley and Bramshill

**Contact name:** Jonathan Colwill

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### 1. Executive Summary

- 1.1. The purpose of this paper is to recommend the spend of approx. £155,000 to replace and improve important landfill management equipment at three closed former landfill sites in Hampshire.
- 1.2. Hampshire County Council has a statutory duty to manage the environmental legacy of 11 closed former landfill sites. This includes regularly monitoring each site to ensure that it does not cause a negative environmental impact on the local area. Environmental impacts can include leachate and harmful gases, both of which pose an environmental and health risk.
- 1.3. In order to effectively perform its statutory duties, replacement leachate tanks are required at the Hook Lane, Somerley and Bramshill landfill sites, while a new gas flare is also required at Hook Lane.
- 1.4. Non-replacement of existing equipment is not an option as there would be a risk to public health and the local environment surrounding the former landfill site. It is the County Council's statutory duty to manage its' closed landfill legacy effectively and safely.
- 1.5. Success will be measured by regular monitoring of the replacement management equipment, demonstrating capture of leachate before it reaches local watercourses, and effective dissipation of emitted gases, notably methane.

### 2. Background

- 2.1. Hampshire County Council, as the designated Waste Disposal Authority (WDA) for the administrative county of Hampshire, has a statutory duty to manage the environmental legacy of 11 closed former landfill sites.
- 2.2. As part of its statutory duty, there are a number of environmental impacts which the County Council is required to monitor and manage on a regular

basis. This includes leachate, a by-product of former landfill sites whereby water can take on properties of the material it has seeped through, and which can cause damage to local watercourses if not managed. It is therefore important that leachate tanks at sites are monitored and maintained effectively.

- 2.3. Replacement leachate tanks are required at three former landfill sites, namely Hook Lane near Fareham, Somerley in the New Forest, and Bramshill in Hart district. Replacing these tanks is a priority for completion ahead of the Autumn/Winter of 2021/22 when watercourses will naturally rise.
- 2.4. Former landfill sites also commonly emit harmful gases, notably methane. Flaring is used to dispose of the flammable constituents safely and to control odour risks, health risks and environmental impact. Again, monitoring and maintaining flaring equipment is critical to avoid negative outcomes.
- 2.5. To manage this impact, a new gas flaring system is required to support existing equipment at Hook Lane. Completing this project during the summer when weather is more favourable is preferred.

### 3. Finance

3.1	<u>Estimates</u>	<u>£'000</u>	<u>% of total</u>	<u>Funds Available</u>	<u>£'000</u>
	3x replacement leachate tanks @ 3 locations	90 (30 per unit)	58 (19% Per Tank)	Waste management capital funding	90
	New gas flaring system @ Hook Lane	65	42	As above	65
	<b>Total</b>	<b>155</b>	<b>100%</b>	-	<b>155</b>

3.2	<u>Maintenance</u>	<u>£'000</u>	<u>% variation to Committee's budget</u>
	Net increase in current expenditure	0	n/a
	Capital charge	15	0.009%

#### 4. Programme

	Gateway Stage			
	3 - Project Appraisal	Start on site	End on site	4 - Review
Date (mm/yy)	05/21	By 07/21	By 10/21	10/21

#### 5. Scheme Details

- 5.1. As the County Council's appointed waste contractor, Veolia UK Ltd would be asked to procure and arrange the installation of the required management equipment. Three quotes would be requested as per standard procurement regulations.
- 5.2. Following acceptance of a quote, it is anticipated that works would be commenced and completed by Autumn 2021.
- 5.3. As former closed landfill sites are not generally open to the public, no impact on the public would be caused.

#### 6. Departures from Standards

- 6.1. Not applicable.

#### 7. Community Engagement

- 7.1. Not applicable.

#### 8. Statutory Procedures

- 8.1.

#### 9. Land Requirements

- 9.1. Not applicable.

#### 10. Maintenance Implications

- 10.1. Replacement equipment would be checked by County Council and Veolia staff during regular routine monitoring visits to fulfil statutory duties. There are no anticipated maintenance costs.

## **11. Recommendation(s)**

- 11.1. That the Director approves the details of improvements to the management equipment at three closed former landfill sites as part of the County Council's duty to manage their environmental legacy, as set out in this paper.
- 11.2. That the Director gives approval for Veolia UK Ltd, the County Council's appointed waste contractor, to procure, spend and enter into necessary contractual arrangements on the Authority's behalf to implement this scheme, at a total estimated cost of £155,000 to be funded from the Waste and Resource Management capital fund.
- 11.3. That the Director approves this addition to the 2021/22 Capital Programme at a value of £155,000.

## **LTP3 Priorities and Policy Objectives**

### **3 Priorities**

To support economic growth by ensuring the safety, soundness and efficiency of the transport network in Hampshire

Provide a safe, well maintained and more resilient road network in Hampshire

Manage traffic to maximise the efficiency of existing network capacity, improving journey time reliability and reducing emissions, to support the efficient and sustainable movement of people and goods

### **14 Policy Objectives**

Improve road safety (through delivery of casualty reduction and speed management)

Efficient management of parking provision (on and off street, including servicing)

Support use of new transport technologies (i.e. Smartcards; RTI; electric vehicle charging points)

Work with operators to grow bus travel and remove barriers to access

Support community transport provision to maintain 'safety net' of basic access to services

Improve access to rail stations, and improve parking and station facilities

Provide a home to school transport service that meets changing curriculum needs

Improve co-ordination and integration between travel modes through interchange improvements

Apply 'Manual for Streets' design principles to support a better balance between traffic and community life

Improve air quality

Reduce the need to travel, through technology and Smarter Choices measures

Promote walking and cycling to provide a healthy alternative to the car for short local journeys to work, local services or school

Develop Bus Rapid Transit and high quality public transport in South Hampshire,  
to reduce car dependence and improve journey time reliability

Outline and implement a long term transport strategy to enable sustainable  
development in major growth areas

**Other**

Please list any other targets (i.e. National Indicators, non LTP) to which this  
scheme will contribute.

**CORPORATE OR LEGAL INFORMATION:****Links to the Strategic Plan**

<b>Hampshire maintains strong and sustainable economic growth and prosperity:</b>	no
<b>People in Hampshire live safe, healthy and independent lives:</b>	yes
<b>People in Hampshire enjoy a rich and diverse environment:</b>	yes
<b>People in Hampshire enjoy being part of strong, inclusive communities:</b>	no

**Other Significant Links**

<b>Links to previous Member decisions:</b>	
<u>Title</u>	<u>Date</u>
<b>Direct links to specific legislation or Government Directives</b>	
<u>Title</u>	<u>Date</u>

**Section 100 D - Local Government Act 1972 - background documents**

The following documents discuss facts or matters on which this report, or an important part of it, is based and have been relied upon to a material extent in the preparation of this report. (NB: the list excludes published works and any documents which disclose exempt or confidential information as defined in the Act.)

DocumentLocation

## Impact Assessments

### 1. Equalities Impact Assessment:

1.1. The proposals in this report have been developed with due regard to the requirements of the Equality Act 2010, including the Public Sector Equality Duty and the Council's equality objectives. The website contains a summary [assessment of the impacts](#) on developing Hampshire's highway network and transport systems.

1.2. Statutory considerations:

Impact	
Age	None
Disability	None
Sexual Orientation	None
Race	None
Religion and belief	None
Gender Reassignment	None
Sex	None
Marriage and civil partnership	None
Pregnancy and maternity	None
Other policy considerations	
Poverty	None
Rurality	None
Other factors	None
Geographical impact	Fareham BC Hart DC New Forest DC

**Please give a brief explanation of each impact you have listed as low/medium/high.**

Not applicable.

2. **Impact on Crime and Disorder:** Not applicable

3. **Climate Change:**

These proposed works support climate change objectives by ensuring harmful gases do not escape into the atmosphere from former landfill sites, and support the protection of Hampshire's rich and diverse environment. **New equipment will provide greater carbon efficiency in the landfill operation due to HGV tanker operations being more efficient and lower electricity usage by the gas flaring equipment.**

