



# Seafield Wastewater Treatment Works Strategic Odour Review

## Stakeholder Update

Following the publication of the Seafield Strategic Odour Review in late March 2018, Scottish Water together with site operators, Veolia and site owners, Stirling Water have commenced work on the implementation of the short term (0-2 years) recommended actions contained in that report. This newsletter provides the Seafield Stakeholder Group with the first of a series of updates on progress made in April and May.

### Studies

The **air balance and ventilation study** on the sludge cake building has been completed and **improvement works have been made** to ensure that a negative pressure is maintained in the building which will result in odorous air being contained within this building rather than escaping to the atmosphere.

A similar study relating to all of the covered areas of the works will be undertaken by a specialist contractor over the next few months although an assessment of the current performance of the odour extraction and treatment systems throughout the works shows these processes are performing well.

**...wastewater treatment at points in the network** are all currently at the scoping stage with such work currently scheduled to be completed by the late Autumn 2018. **A review of the sludge storage capacity** at Seafield WwTW is also due to be completed around the same time. These studies when complete will help inform the Medium and Long Term measures set out in the Strategic Odour Review.

**A contingency plan for chemical dosing in the network** in order to alleviate septicity at or close to its source at key locations during periods of low or no rainfall has focussed on Wallyford Pumping Station given the Operational Improvement action to **recommission and implement dosing** at this location. A temporary dosing facility has now been commissioned and is operational with a permanent facility scheduled to be in place later in the summer. A review of other possible dosing locations in the network is also due to be complete by July.



The **engineering feasibility studies** in respect of *the conversion of the storm tanks to sequential and selective filling, the replacement of the primary settlement tanks* and, as part of the wider Edinburgh Strategic Review, *the potential for providing...*



## Operational Improvements

In addition to the **Wallyford dosing** action highlighted above initial risk assessments and consequential impacts around the required changes to processes have commenced in relation to **odour monitoring** and **chemical dosing facilities** at Seafield WwTW. The recommendation to **extend septicity surveys** will be developed in conjunction with the review of the other potential dosing locations within the network to ensure a more targeted response to odour “hotspots”.

The site specific **Odour Management Plan (OMP)** continues to be subject to an ongoing review with SEPA and Edinburgh Council at their monthly Environmental Liaison meetings whilst **workshops to identify enhancements to the OMP** has initially focussed on plant criticality and plans to deal with plant becoming unavailable. Recent stakeholder comments will also be considered as part of this process.



The actions related to the **development of a HAZOP-type odour risk identification procedure for changes in plant/process operation and the introduction of new on-site processes** has been completed as has the requirement to update the **sludge tanker drivers' odour education and awareness induction programme**. In addition to minimising the risk of odour emissions there are also important Health & Safety implications of such work.

New systems are being reviewed and discussions have commenced with operators and potential suppliers to assess the benefits of **an improved new weather forecasting system to identify forthcoming dry periods** to permit more informed and pre-emptive actions to be taken in reducing the risk of odour emissions.

## Communications

A **survey of public experiences and attitudes** regarding environmental issues in the Seafield area which will cover in excess of 500 households and...

...businesses is planned to take place later in the year. This work will be undertaken by an independent market research company and when complete, its findings will be shared with all stakeholders.

Communication team members from Scottish Water and Veolia now attend the regular Seafield Environmental Liaison group meetings to advise how best to **develop a more wide ranging communication strategy through a variety of channels** so that stakeholder notifications can be more readily accessed and engaged with. Whilst initially focussing on the Scottish Water **website**, a **new messaging service (Firetext) directly to mobile phone subscribers** is also being developed.

In addition, we shall continue to hold **stakeholder meetings** where your views and input to the meeting agendas will continue to be encouraged and we shall continue to **engage with all customers** either in relation to these actions or in respect of answering specific queries.



If you have any questions or comments on the issues covered in this newsletter please contact **Bill Elliot**, Scottish Water's Stakeholder Manager for Edinburgh and the Lothians ([bill.elliott@scottishwater.co.uk](mailto:bill.elliott@scottishwater.co.uk))

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