



Seafield Wastewater Treatment Works Strategic Odour Review

Stakeholder Update

Following the publication of the independent Seafield Strategic Odour Review (the Review) in late March 2018, this is the third in a series of stakeholder updates to keep you informed on the progress being made by Scottish Water, site operators, Veolia and site owners, Stirling Water to implement the short term (0-2 years) recommended actions contained in the Review. This newsletter provides the Seafield Stakeholder Group with an update on progress made since our last update issued in August 2018.

In conjunction with this implementation process, Scottish Water invited the Review's authors, the Wood Group to return to site in August to check on progress made against the Review's recommendations and to offer any additional guidance in light of the conditions experienced over the Summer months of 2018. Their findings were presented to the Stakeholder Meeting held in late September 2018 <https://bit.ly/2G28pkT> and confirmed that good progress was being made on a number of fronts comprising operational changes, feasibility studies and offsite chemical dosing trials.

Over the past few months work has continued on a number of fronts as detailed below.

Studies

The **air balance and ventilation study** relating to all of the covered areas of the works was undertaken by a specialist contractor during August 2018. Smoke tests were carried out and verified that odorous air from beneath the covered areas was extracted efficiently to the odour treatment systems.



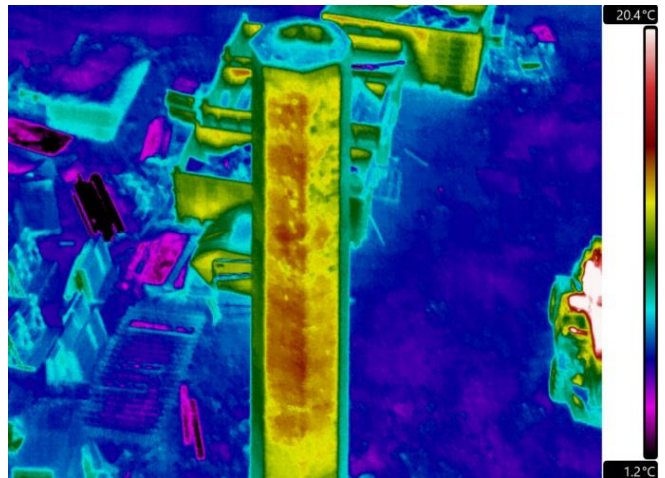
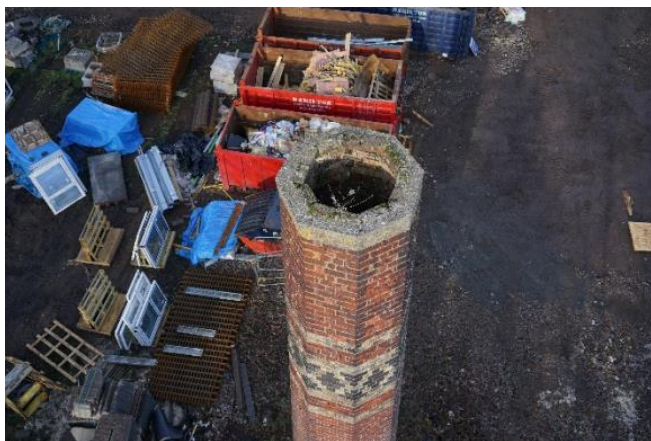
As previously reported as part of the wider Edinburgh Strategic Review which will address the future

provision of water and waste services in the capital and the Lothians, progress continues to be made on 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 the potential for providing wastewater treatment at points in the network**. Building on the work reported back in August the technical consultants have reviewed a number of appropriate technologies, assessed options and started to produce outline designs for costing. This same team have **reviewed the sludge storage capacity** at Seafield WWTW. When complete in the coming months the outcome of these studies will help to inform the next stage of assessment and analysis in respect of the Medium and Long Term measures set out in the Review.

As explained in the last Newsletter, the **contingency plan for chemical dosing in the network** in order to alleviate network odour potential focussed on Wallyford Pumping Station and the dosing facility at that location has been re-commissioned and remains

available for operation depending on forecast conditions and operational status. In recognition of community concerns in May 2018, the use of odour reducing agents directly into the Seafield WwTW inflow was put on hold pending a controlled trial and analytical review. This trial, undertaken offsite at Scottish Water's Bo'ness WwTW, was developed by Cranfield University and overseen by the Wood Group. The Report which demonstrates a marked reduction in odour potential through dosing has been uploaded to the Scottish Water website <https://bit.ly/2G28pkT> and this learning will be incorporated into the Odour Management Plan for the site. As agreed at the last Stakeholder Meeting this report is being subject to a peer group review and, when complete, the outcome will be shared with stakeholders. Other network risks are being assessed as part of the wider Edinburgh Strategic Review including detailed analysis of the network model of the sewerage system and this will also take account of the Bo'ness dosing trial.

One recommendation within the Review was to assess the status of the Victorian chimney, within the former Ropeworks development site and determine if the Water of Leith Sewer could still be venting odorous emissions to the atmosphere. Due to limitations on safe access, we undertook a novel approach and employed drone and thermal imaging contractors to survey the chimney on our behalf. The survey took place during a cold spell in early February as this provided the potential greatest contrast between warm wastewater and the cooler surrounding structures. An assessment of the images and temperatures around the chimney indicates that the underlying manhole is capped and that there is no wastewater exposed to atmosphere. The report and detailed photographic survey has been shared with the Wood Group.



Operational Matters

The site specific **Odour Management Plan (OMP)** continues to be subject to an ongoing review with SEPA and Edinburgh Council at regular Environmental Liaison meetings. The Terms of Reference for this group are focused on continual improvement, in terms of site practices, **communications**, reporting and assessment of complaints.

Communications

A **survey of public experiences and attitudes** regarding environmental issues in the Seafield area was undertaken during July 2018 and findings shared with the Stakeholder Group in September 2018. This work was undertaken by an independent market research company in order to give Scottish Water insight to as wide a cross section of the community as possible. The full report can be accessed here: <https://bit.ly/2UW084w>

Communication team members from Scottish Water and Veolia continue to 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**, we are also reviewing how operational notifications are drafted and issued to the Stakeholder Group. Going forward, we will issue a concise tweet from the local Scottish Water @SWsoutheast Twitter account in parallel to updating the website.

We shall continue our process of stakeholder communication both through site specific notifications and more formal **stakeholder meetings** where we will provide updates in relation to the delivery of the

Strategic Odour Review recommendations, updates on Scottish Water investment planning process and any specific issues and queries which stakeholders wish to raise.

Leith Links CC visit

Our Stakeholder Development Manager and Veolia Water hosted a tour of the waste water treatment works at Seafield for members of Leith Links Community Council on Saturday 17 November 2018. The visit gave LLCC members an overview of the plant and Scottish Water and Veolia team members were on hand to answer any questions about the operation of the plant. The visit was very well received.

Doors Open Day

Last year Veolia opened the Allanfean WwTW near Inverness to the public as part of the Scotland wide “Doors Open Day” initiative. This year, plans are underway to open Seafield WwTW to the public for visits and tours, where operational team members will be on hand to answer any questions from members of the local community. The event will be led by Veolia with support from Scottish Water. This year, the Doors Open Day initiative will be held over the weekend of 28th & 29th September.

Community Work

Over recent months Veolia has been undertaking and supporting a number of local community initiatives. This has included providing sponsorship to Boroughmuir Thistle Girls FC, and the Edinburgh Basketball team based at Portobello High School. Seafield has also hosted a number of visits from local schools and organisations. In February, Veolia visited a number of local Primary Schools and delivered a Circular Economy Challenge lesson to pupils, to help them understand the principles of how we can all move towards reducing, eliminating and reusing waste, whilst discovering the resources that waste can provide. A number of further local community support initiatives are planned for the remainder of 2019. Don't forget, local charities and organisations can also use meeting room space for free at Seafield WwTW under the Veolia 'Community Hub' initiative.

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)

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