

SEPA Update on Environmental Monitoring Proposals in the vicinity of the Mossmorran Complex

As previously discussed, SEPA will shortly be carrying out air quality monitoring in the vicinity of the Mossmorran complex.

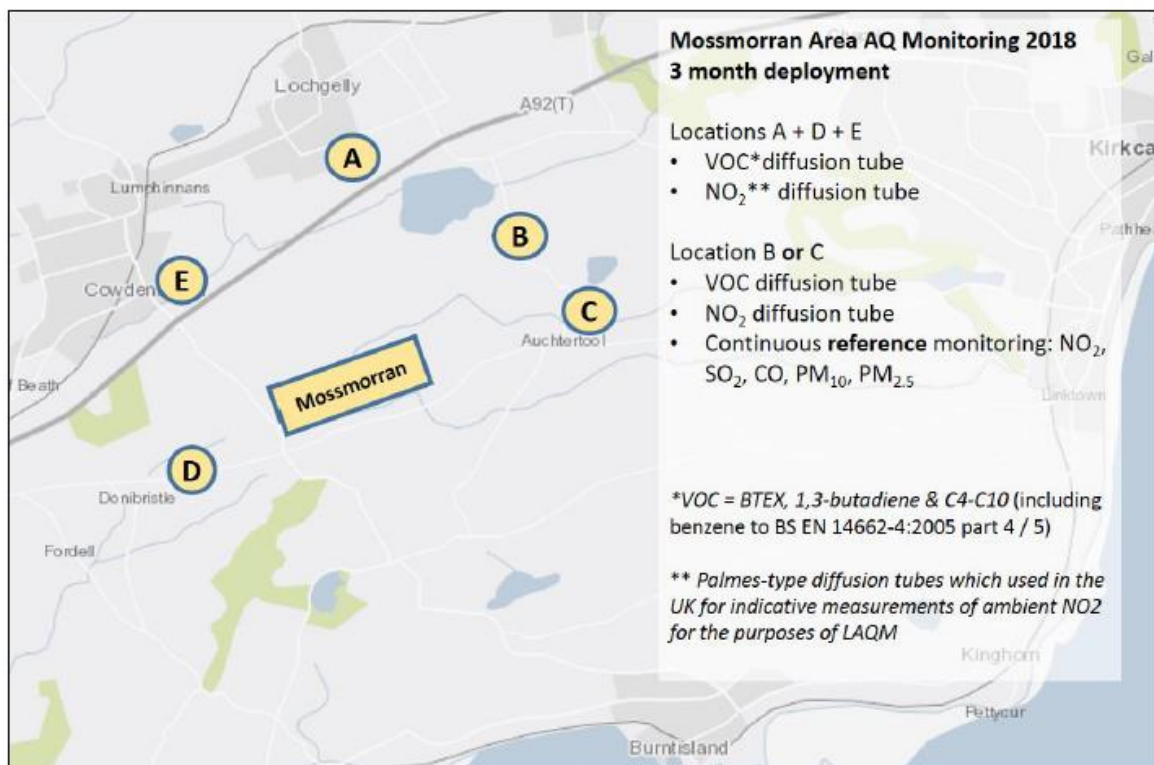
A trailer has been located at a farm location to the North East of the complex (location B on the map below) and diffusion tubes will be placed in community locations (locations A, E and D on the map below) around the site and alongside the trailer. Currently, it is not proposed to put diffusion tubes in Auchtertool as the trailer location should be representative.

The trailer will provide real-time data and the diffusion tubes average data for various pollutants as indicated in the diagram below.

It is anticipated that data collection will start in the New Year.

Once data is gathered it will be shared with the Independent Air Quality Review Group, NHS Fife and the Safety Liaison Committee.

The monitoring to be undertaken and locations are summarised in the following diagram.



The locations, pollutants and data have been selected to allow:

- Provision of up to date monitoring data; and
- Comparison with previous monitoring and modelling studies

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In particular the proposal takes into account learning from previous reports and the most up to date data reviews:

- Monitoring at locations, as identified through consideration of monitoring by NPL (2011-2013), modelling by SEPA (2013) and Entec (2009) and through consideration of local wind profiles and locations where susceptible people may be located
- Measurement of five pollutants previously identified as requiring detailed dispersion modelling (Entec 2009 2.1) - CO, NO_x, SO₂, PM₁₀, PM_{2.5}
- Measurement of VOCs previously identified as requiring detailed dispersion modelling (Entec 2009 2.1) – benzene, 1,3-butadiene, butane, hexane, styrene, toluene
- Measurement of VOCs measured by NPL over the period 2011-2013 – benzene, toluene, ethyl benzene, o/p/m-xylene, total hydrocarbons (C₄ to C₁₀)