

APPENDIX 11.5
CONSULTATION WITH SOUTHERN WATER 2



Craig,

Many thanks once again for your time yesterday – I know that you are very busy, particularly with your imminent holiday.

As discussed, it appears to me that the potential odour sources at the site are as shown on the attached plan:

- The inlet works are enclosed, with the building air extracted to the main OC;
- The primary tanks are covered and extracted to the main OC;
- Aeration lanes are open (identified as a source on the plan); and
- FSTs are open (identified as a source on the plan).

Obviously the FST in particular has a very minimal odour and neither of the aeration lane or FST have an offensive odour.

The FFT for the site is 715 l/s coming from 2 large mains (Bognor and Littlehampton) and 4 smaller mains from local sites. The influent is dosed with ferric for odour control / influent quality. There are no storm tanks, the flows instead being balanced at the source works in each case.

There are 2 odour control units on the site, one smaller carbon unit serving the imported sludge building and the main (chemical) scrubber unit. Both of these are fitted with real-time H₂S monitoring (chemcassette). The drum thickeners and centrifuges are fully contained.

As would be expected given the odour control at the site, my understanding is that the site does not receive odour complaints other than occasional ones from the adjacent market, although is fairly remote from residences at the moment.

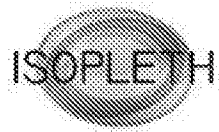
In terms of further information required, would you please send me:

1. The H₂S monitoring results for the smaller OC;
2. The H₂S monitoring results for the main OC;
3. The quantities of sludge imports (cess, liquid and cake);
4. The approximate p.e. of the works and any thoughts on tourist fluctuations;
5. How close the works is to capacity;
6. The minimum (dry weather flow) for the works.

Finally, if any major changes are planned to the works that you know about (i.e. that would potentially change the odour profile of the works) would you please highlight these.

Many thanks, (enjoy Canada!)

Matt Stoling
Director
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