**Sunningdale Tap Water Quality Notes**

* Source: Affinity Water
* PCVs set based on *Water Quality (Water Supply) Regulations 2016*
  + An implementation of the WFD in turn based on WHO guidance
  + Unsurprisingly, not formulated to take into account effects on bacterial communities
* Looked at Virginia Water quality, but little to no info on contaminants present
* pH 7.4 - neutral
* PCV: prescribed concentration or value
  + 0 tested chemicals/characteristics over PCVs.
  + PCVs are probably arbitrary and conservative – with regards to humans
* Al and Fe are present in relatively high concentrations (~10 ug.l-1), but are all assumed to be relatively non-harmful (200 ug.l-1 PCVs)
  + Sodium likewise at ~50 mg.l-1 vs a PCV of 200
* Pesticide PCVs all very conservative (0.1 ug.l-1)
  + Metaldehyde is the only one anywhere close, at 0.018 (20% of PCV)
* Other pollutants:
  + Benzene at 20% of PCV
  + Chloride at 20% of PCV
  + Nitrate at 70% of PCV
  + Sulphate at ~25%