

## James Neave

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**From:** Chambers, Deb <Deb.Chambers@environment-agency.gov.uk>  
**Sent:** 13 April 2021 11:27  
**To:** James Neave  
**Subject:** RE: WSCC/048/20-Additional Material Analysis - To EHO and EA - Chase 12 04 21

Good morning James

Apologies for the late reply, I have been on leave.

Please see the summary by our Groundwater Protection Team of the testing results that was provided by Mr Hyatt:

The results show elevated concentrations of TPH and PAH – the initial samples you emailed me from TP1-4 showed elevated concentrations mainly in TP4. In the more recent samples (TP5-7) the concentrations are not as high as TP4 but they are significantly higher than TP1-3 which suggests this is widespread, rather than just focused on one sample/area. These concentrations are not typical and would not represent natural background levels.

PAH are classed as hazardous substances under the Water Framework Directive and should not be permitted to enter controlled waters. The TPH concentrations are elevated but tend to be the heavier, less mobile fractions and would present less of a risk to the environment as they are less likely to migrate. For both TPH and PAH, in terms of risk to groundwater this is not a very sensitive area and so there is not a significant risk to groundwater, however my opinion is that these additional samples indicate the PAH and TPH contaminants in the soils are widespread and while not very high concentrations, they are elevated above background levels.

My only query would be that, again, the testing samples were not very deep - only 2 at significant depths to enter the waste below the 30cm of 'topsoil' he has laid on top and that he has not provided a plan to show where these have been taken from the site.

Please do contact me should you wish to discuss any of the above.

Kind regards

**Deb Chambers**  
**Environment Officer**  
**Environment Management (Waste) Solent and South Downs**  
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# Stop waste crime. Report it.



Suspicious behaviour may alert you to illegal waste sites. Look out for:



Activity out of hours

Increased numbers of lorries entering a site

Smoke



Waste going in but not coming out ▶▶▶

Water pollution

Call Crimestoppers anonymously on 0800 555 111 or visit [www.crimestoppers-uk.org](http://www.crimestoppers-uk.org)