

Our Ref: RH/12032/let20
Your Ref:
Contact:

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19th August 2015

Natural Resources Wales
Rivers House
St Mellons Business Park
Fortran Road
Cardiff
CF3 0EY

For the attn. of Mr Matthew Llewellyn

Dear Matthew

STOCKPILE CHEMICAL SUMMARY: HERBERT ROAD, NEWPORT

I write in reference to correspondence between Mr Andrew Hurst and Mr Geraint Roberts of Newport City Council (Ref: SE/2015/119016/03-L01) dated 14th August 2015, and our telephone conversation yesterday.

I note your reference to the leachate levels of benzo(ghi)perylene and the occurrence of some concentrations of this substance reaching 2 orders of magnitude above the threshold level of 0.000002mg/l.

This magnitude of exceedence was found at four locations, TP1 (2.0m), TP3 (3.5m), TP4 (3.0m) and TP9 (0.3m).

When looking at the sampling locations within the stockpile, TP1, TP3 and TP4 are seen to be adjacent to one another, excavated within the far southern end of the stockpile. TP9 located at the northern end of the stockpile, and the sample was taken from the top soil horizon on the stockpile, which itself reached only 0.4m in thickness. This soil type was not noted in the six surrounding locations and can therefore be considered localised.

When considering the speciated PAH results, the reën that runs along the northern edge of the fill area is deemed to be a potential receptor. The reën flows into the River Usk, and similarly is a potential receptor via this route.

The groundwater beneath the site does not have continuity with the River Usk so this also is not considered a potentially contaminative pathway.

Although the risk to the ree and River Usk are deemed low as the effects of dilution would be significant, it is proposed that the risk be managed by control of where the fill materials from the lower half of the stockpile are deposited on site.

The site is roughly rectangular in shape and measures approximately 200m in length (north to south). I would suggest that materials from the bottom half of the stockpile be placed no closer than 50m from the proposed final ree location (it is understood that the ree is to be widened in places).

Following placement a minimum of 500mm imported soil (source yet to be confirmed) will be placed over the stockpile sourced soils that once compacted will act to limit the infiltration of any water to the stockpile sourced soils.

I trust that the above is to your satisfaction, however, if you have any queries or require any further information please do not hesitate to contact me.

Yours sincerely

for: Terra Firma (Wales) Ltd



Mrs Ruth Howells