

DE/11224/Let3

David Emanuel

4th July 2014

Manning Construction Ltd
Brodawel
Coychurch
Bridgend
CF35 5BU

For the attention of Mr Steve Taylor

Dear Sir

HOTSPOT REMOVAL, PARK AVENUE, GLYN NEATH

Terra Firma Wales Ltd were retained by Manning Construction Ltd to verify the removal of a contamination hotspot at Parc Avenue, Glyn Neath as part of the sites remediation.

During the site investigation in 2010 an incident of elevated Naphthalene was encountered in TP04 at 0.2m. Terra Firma Wales Ltd recommended that this soil be excavated out for off-site disposal to an appropriate facility.

On 26th June 2014 Terra Firma Wales Ltd attended the site and witnessed the excavation of pit measuring 2m x 2m at the location of TP04. The excavation was extended to 0.6m. Terra Firma Wales Ltd collected samples from the sides of the pit at 0.2m depth. These were submitted to Derwentside Environmental Testing Services (DETS) Ltd for analysis for speciated PAH, including naphthalene.

The analysis revealed that the soils in the sides of the excavation did not contain PAH at detectable levels, proving the affected soils had been removed. The excavated soils were set aside for off-site disposal. The results of the analysis are presented in **Annex A**.

We 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 us.

Yours sincerely
for: Terra Firma (Wales) Ltd

David Emanuel

ANNEX A – CHEMICAL TEST RESULTS

Summary of Chemical Analysis

Soil Samples

Our Ref 14-09459

Client Ref 11224

Contract Title Glynneath

Lab No	665535	665536	665537	665538
Sample ID	S1	S2	S3	S4
Depth	0.20	0.20	0.20	0.20
Other ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sampling Date	26/06/14	26/06/14	26/06/14	26/06/14
Sampling Time	n/s	n/s	n/s	n/s

Test	Method	LOD	Units				
PAHs							
Acenaphthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(a)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(b)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(k)fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Dibenzo(a,h)anthracene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Indeno(1,2,3-c,d)pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Naphthalene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	DETSC 3301	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
PAH	DETSC 3301	1.6	mg/kg	< 1.6	< 1.6	< 1.6	< 1.6