

Mr S Reynolds  
Bay Associates Ltd  
21-22 Neptune Court  
Vanguard Way  
Cardiff  
CF24 5PJ

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SR/6503/sr  
P/2010/0216  
05 March 2014  
Helen Bradshawe  
01978 315736  
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**BY EMAIL ONLY**

Dear Mr Reynolds

**LAND AT GLAN GORS, STAGE 1 – DETAILED REMEDIATION STRATEGY (Ref: 6503 (October 2013))**

Thank you for your email dated 13 December 2014 attaching the above report to my colleague Angela Guy, and I apologise for the delay in responding.

I can respond as follows. The strategy is generally acceptable and I only have a few minor comments to make.

- On excavation of material from site, please provide a copy of the waste transfer notices within a validation report.
- Page 25 last bullet point – details of the air bricks and spacing are provided which covers one of the comments we made regarding the previous reports on this site. However calculations are required to show that the air bricks will provide sufficient ventilation to meet very good performance in accordance with BS8485:2007 (as 2.5 points are being claimed in the table at the top of page 26).
- Table on page 26 – to claim 2 points the membrane will require integrity testing. This is detailed on Page 27 and given the type of membrane proposed the scope of testing and inspection is acceptable and meets the requirements of the table provided in our previous letter. Note that the testing and inspection should be undertaken immediately prior to the membrane being covered over .i.e. the screed to be installed within the same day to prevent damage.
- Please provide the ground gas membrane specification (it is noted that the membrane will be either tapped or welded, we will want to clarify in due course which is most appropriate for the site).
- Please ensure the ground gas membrane is installed by a qualified person and provide in advance, copies of qualification certificates for appropriate persons. This department will require notification of the time the ground gas membranes are to be installed and tested, to ensure that we have a presence on site at that time.

- Drawing No. 011 states an independent environmental consultant is to carry out integrity testing and certification on the first 5 plots, then to be carried out at a rate of 1 in 5. However, this department requires the testing and certification is to be undertaken on a plot by plot basis on installation. Photographic evidence is required for each plot.
- Confirmation of depth coverage of clean cover in garden areas is to be measured and photographed. Please provide information of the source of the clean cover to be used on site with chemical testing results taken at source as well as when insitu on site.

After completion of site works, a verification report is required to validate that the work undertaken conforms to the remediation proposals received and agreed by this Section. The report would be expected to include the following:

- Summary of desk study, site investigation report and remediation strategy.
- Details of who carried out the work.
- Details and justification of any changes from original remediation strategy.
- Substantiating validation data that should include where appropriate:
  - Laboratory and *in-situ* test results.
  - Monitoring results for groundwater and gases.
  - Summary data plots and tables relating to clean-up criteria.
  - Plans showing treatment areas and details of any differences from the original remediation strategy.
  - Photographic and other media records.
  - Waste management details and records.
- Confirmation that remediation objectives have been met.

*We aim to provide our service fairly and we monitor our services to check we are meeting this standard. To help us do this I would be grateful if you would visit the following link <http://www.surveymonkey.com/s/ppequalitymonitoring> and complete the equality questionnaire, which will only take about 2 minutes of your time. Note that this questionnaire is anonymous.*

Yours sincerely

*H. Bradshaw*

**Mrs Helen Bradshawe  
Contaminated Land Officer**

**cc. Mike Jenkins, WCBC  
Sharon Holman, WCBC  
Elaine Wort, NRW**

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A hoffech chi dderbyn copi o'r wybodaeth/gohebiaeth hyn mewn iaith neu ddiwyg gwahanol (braille, tâp sain ac ati)? Os hoffech, yna cysylltwch â Gwasanaethau Diogelu'r Cyhoedd ar 01978 298989 / [public\\_protection\\_service@wrexham.gov.uk](mailto:public_protection_service@wrexham.gov.uk) fel y gellir gwneud trefniadau.

