

From Andrew Williams
 To Joanne Davidson
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 Subject CONIN 09/0591

*Chris Pugh
 @wyg.com
 email EA response
 when rec'd*

*23/7/09
 chased up EA
 response*

Proposal Discharge of Condition 7 (Certification Report) of planning permission 00/0768 for the erection of a replacement primary school all weather pitch and residential development

Site Ysgol Glan Usk School Development site Bank Road Newport

Application Type Discharge of Conditions

Contaminated Land

Hi Jo

Apologies for the delay in providing my comments

I've been through the interim certification / validation report and have the following comments

The report provides information concerning the PCB removal capping layer ground water monitoring and gas protection measures for the school building which were the main objectives of the remediation strategy

Capping Layer Minimum 600mm or hardcover (as required within the remediation strategy)

It is noted that further validation work is required to check that the capping layer is of the depth specified within the remediation layer To date it appears only one trial pit has identified a suitable capping thickness while the remaining trial pits show a sufficient shortfall This is acknowledged in the report and further work is proposed to address this

PCB Removal removal of drums containing PCB material and adjacent impacted soils (as required within the remediation strategy)

The remediation eventually identified and removed 778 chemical drums significantly more than the 17 21 or so expected following the initial geophysical survey All excavation where tested for PCB s following drum removal to ascertain the extent of associated impacted soils This included testing of all sides and bases of excavations A total of 2 591 tonnes of PCB contaminated soils were removed from the site Following the backfilling of the excavations the entire site was geophysically surveyed a second time The results indicated a pronounced reduction in metallic signatures across the site with the majority of these anomalies identified as buried metallic objects not thought to be drummed waste It is therefore considered that the identified PCB drums and impacted soil materials have been successfully removed from the site

Groundwater Monitoring Required during the construction phase (As required by EA conditions)

Ground water monitoring and periodic monitoring of the ree was required by the environment agency during construction The investigation of a suspected leachate breakout within the ree did not find evidence of contamination although over the monitoring period elevated levels of hydrocarbon were recorded within the ree

Groundwater monitoring identified fluctuations of PCB contaminant levels during remediation works which appears to have dropped back to acceptable levels following the completion of excavation work

Gas Protection Measures To protect the school building from the ingress of ground gases and vapours

The building s construction has incorporated gas protection measures including a concrete slab membrane and clean air blanket The C A B system creates an area of positive pressure in the floor void which prevents the ingress of gases across a pressure gradient This system has been tested

and has been show to operate correctly

It appears that the objectives of the remediation strategy have been met (with the exception of the capping layer) which is acknowledged in the interim report Therefore I would suggest a partial discharge of conditions at this point

Cheers
Andy

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