



Future Valleys Construction
Adeiladwaith Cymoeddy Dyfodol

Permit for Water Discharge

Water Management Plan Appendix - Baverstock Pond 4JB

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	Prepared
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Signature	
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Signature	



Project	A465 Section 5 and 6 Hirwaun to Dowlais Top
Site Office	Baverstock Compound, Dynevor Arms, Llwydcoed, Aberdare CF44 0ND
Discharge Location	National Grid Ref – SO 00129 06820
Monitoring Point	Monitoring shall be carried out at the discharge point SO 00129 06820.
Effluent Discharge	Baverstock South (Pond 4JB) Effluent Discharge
Nature	Dewatering of excavations, capture of surface water run off to settlement ponds, treatment of water via chemical treatment before discharge to either existing drainage, ditch or direct to watercourse.
Volume Calculation	<p>The element of discharge rates is designed to be at a worst-case scenario upon rainfall dependent water creating excess flows at work face. It is not envisioned that such rates of pumping shall be required on a constant basis but rather a necessity for when require. Therefore, at each location noted it is the below estimation...</p> <p><u>2 x Siltbuster HB50 treatable of 5-50m³/h</u> 13.8ltrs/s per unit, 27.6ltrs/s total</p>
Process of Treatment	Lagoon settlement, Primary Settlement, Chemical Settlement
Waste Arisings	Siltbuster units shall require an element of “desludging”. Secondary to the dewatering ponds shall be in place “slurry ponds”. Slurry ponds shall be for TSS that have been captured within the lamella system, they shall be processed by means of drying out to allow moisture content to demise. There shall be no off-site removal of material from this process as the slurry or silt shall be tested as per client materials management plan criteria to ascertain if material is good for landscape fill process.
Outline Drawing	See next page.



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