

**Environmental Mitigation Implementation Schedule
WENT Landfill Extension**

Appendix C8 – Ecology

EIA Ref	EM&A Log Ref	Recommended Mitigation Measures (to be implemented when the trigger level is exceeded, where necessary)	Objectives of Recommended Measures & Main Concerns to Address	Who to Implement Measures?	Location of Measures	When to Implement Measures?	What Requirements or Standards for Measures to Achieve?
Ecology							
General Protection Measures:							
S10	E1	Restriction of construction activities to the work areas that would be clearly demarcated.	To minimise environmental impacts and therefore potential ecological impacts within and near the construction site	DBO Contractor	Entire construction site	Construction Phase	Practice Note for Professional Persons (ProPECC), Construction Site Drainage (PN1/94) Code of Practice on the Packaging, Labeling and Storage of Chemical Wastes, EPD (1992) ETWB TC(W)) No. 33/2002 Management of Construction and Demolition Material Including Rock ETWB TC(W) No.31/2004 Trip Ticket System for Disposal of Construction and Demolition Materials ETWB TC(W) No. 15/2003 Waste Management on Construction Sites
S10	E2	Reinstatement of the work areas immediately after completion of the works.					
S10	E3	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.					
S10	E4	Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.					
S10	E5	Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.					
S10	E6	Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.					
S10	E7	Mobile plant should be sited as far away from NSRs as possible and practicable.					
S10	E8	Material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.					
S10	E9	Use of “quiet” plant and working methods.					
S10	E10	Construction phase mitigation measures in the Practice Note for Professional Persons on Construction Site Drainage.					

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General Protection Measures (Cont'd) :							
S10	E11	Design and set up of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.	To minimise environmental impacts and therefore potential ecological impacts within and near the construction site	DBO Contractor	Entire construction site	Construction Phase	WBTC No. 12/2002, Specifications Facilitating the Use of Recycled Aggregates WBTC Nos. 25/99, 25/99A and 25/99C. Incorporation of Information on Construction and Demolition Material Management in Public Works Subcommittee Papers
S10	E12	Design and incorporation of silt/sediment traps in the permanent drainage channels to enhance deposition rates and regular removal of deposited silt and grit.					
S10	E13	Minimization of surface excavation works during the rainy seasons (April to September), and in particular, control of silty surface runoff during storm events, especially for areas located near steep slopes.					
S10	E14	Regular inspection and maintenance of all drainage facilities and erosion and sediment control structures to ensure proper and efficient operation at all times and particularly following rainstorms.					
S10	E15	Provision of oil interceptors in the drainage system downstream of any oil/fuel pollution sources.					
Specific Mitigation Measures:							
S10	E17	Survey and transplantation of the three plant species of conservation concern before site clearance, including <i>Aquilaria sinensis</i> , <i>Nepenthes mirabilis</i> and <i>Arundina graminifolia</i> and 2 years of monitoring after transplantation.	To minimise loss of plant species of conservation concern	DBO Contractor	Within and near construction site	Before commencement of construction phase	N/A
S10	E18	21 ha of woodland compensatory planting, with 5 ha to be planted on existing WENT landfill site and remaining 16 ha to be planted on the WENT Landfill Extension site after restoration phase. 10-year ecological monitoring of compensatory woodland planting during the after-care phases	To mitigate loss of woodland habitat	Project Proponent (for advanced planting at existing WENT Landfill), DBO Contractor	Entire construction site and existing WENT Landfill (for advanced planting)	Restoration and Aftercare phase	N/A

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S10	E19	Creation of 5 ha of freshwater ponds (each at least 0.5 ha in size), with 3 ha to be constructed on existing WENT landfill site and remaining 2 ha to be constructed on the WENT Landfill Extension site after restoration phase to provide habitats for bird species of conservation concern, including Little Grebe and 3 years of monitoring during major breeding season (March to August)	To mitigate loss of ash lagoon habitat	Project Proponent (for advanced creation of ponds at existing WENT Landfill), DBO Contractor	Entire construction site and existing WENT Landfill (for advanced creation of ponds)	Restoration and Aftercare phase	N/A
S10	E20	Survey and translocation of the three fish species of conservation interest before site clearance, including <i>Squaliobarbus curriculus</i> , <i>Osteochilus vittatus</i> and <i>Kuhlia marginata</i>	To provide precautionary measure for fish species of conservation concern	DBO Contractor	Within and near construction site	Before commencement of construction phase	
S10	E21	Set up water quality monitoring station at Tai Shui Hang Stream	To provide precautionary measure for fish species of conservation concern	DBO Contractor	Tai Shui Hang Stream	Before commencement of construction phase	