

Subject Area	Commitment	Timing
1. Proposed Development		
Construction Environmental Management Plan (CEMP)	All works shall be undertaken in accordance with the Construction Environmental Management Plan (CEMP), which incorporates mitigation measures from the NIS and EcIA carried out. The CEMP shall be maintained as a live document and updated as required throughout the works.	Pre-Construction & Construction
Construction Methodology	Works shall be undertaken using a single excavator. In-channel works shall be undertaken in phases in accordance with the CEMP methodology.	Construction
Compliance with Approved Development	All works shall be carried out in accordance with the approved plans and particulars and in compliance with previously agreed planning conditions, the NIS, EcIA and CEMP.	Pre-Construction & Construction
Noise/Air/Odour Considerations	All works to be carried out in such a manner that noise, air emissions and/or odours do not result in significant impairment or interference with the environment or amenities beyond the site.	Pre-Construction & Construction
Environmental Training	An environmental induction will be outlined regarding site-specific risks, pollution prevention measures and emergency procedures. It will be provided on a case-by-case basis to staff who are deemed necessary to receive it. A toolbox talk will be provided to the contractor and construction staff by the EcOW prior to the commencement of works.	Pre-Construction
Environmental Communication	A designated project representative shall always be available to liaise with the planning authority and public regarding environmental matters	Construction
Environmental Supervision	A suitably qualified Ecological Clerk of Works (ECOW) shall be appointed by the main contractor to oversee works and ensure compliance with the CEMP.	Pre-Construction & Construction
Traffic Management Plan	Traffic Management Plan shall be submitted to, and agreed in writing with, Carlow County Council in consultation with Kilkenny County Council before being implemented,	Pre-Construction
Water User Safety	A recreational water user safety audit is to be carried out and plan to be submitted to the planning authority	Pre-Construction
2. Ecology		
Ecological Surveys	A pre-construction survey of protected species such as the otter shall be undertaken to confirm absence of active habitats that would be vulnerable to the work being carried out. Additionally, invasive species must be identified in these surveys so control measures and biosecurity protocols suitable to the identified species can be put in place.	Pre-Construction
In-Stream Timing Constrictions	No in-channel works shall occur during the closed season (1 October to 30 June) to protect spawning fish and sensitive life stages.	Construction

Fisheries Consultation	Inland Fisheries Ireland shall be notified in advance of works, and their requirements incorporated into the construction programme. All mitigation measures relating to fisheries and water quality shall be agreed with them before commencement.	Pre-Construction
Fish Rescue	Prior to dewatering, isolated areas shall be electro fished by IFI to remove fish and prevent mortality.	Pre-Construction
Habitat Protection	Existing vegetation, trees and hedgerows shall be retained and protected unless otherwise agreed.	Construction
Vegetation Clearance	Vegetation clearance shall be undertaken outside the bird breeding season (1 March – 31 August).	Pre-Construction
Biosecurity	All machinery shall be cleaned and disinfected prior to arrival and before and after in-stream works to prevent spread of invasive aquatic species. All incoming materials will also be screened for invasive species before installation as part of the development.	Construction
Ecological Monitoring	The EcOW shall monitor ecological mitigation implementation and advise on adaptive management where required.	Construction
Site Maintenance	Site to be maintained in a neat and litter free condition with. Adequate off site facilities shall be provided for all traffic associated with the works including delivery vehicles. All necessary equipment will be kept on the access track outside working hours.	
Fish Pass Monitoring	A post-construction monitoring programme shall be implemented by IFI to assess fish pass performance across flow conditions.	Post-Construction

3. Water & Hydrology

Dry Working Conditions	A dry working area shall be established and maintained for all in-channel works.	Construction
Channel Isolation	The channel shall be isolated in phases using temporary barriers designed to accommodate Q50 flows, ensuring flow continuity.	Construction
Dewatering and Treatment	Water from dewatering shall be treated using silt bags or equivalent prior to discharge, preventing sediment release.	Construction
Water Quality Protection	No untreated discharge to the watercourse shall occur. All works shall prevent deterioration in water quality in line with EPA guidance.	Construction
Turbidity Monitoring	Turbidity meters shall be installed upstream and downstream of works to monitor water quality continuously.	Construction

Water Quality Monitoring Programme	A water quality monitoring programme shall be prepared, agreed with the planning authority prior to commencement, and implemented throughout construction.	Pre-construction & Construction
Sediment Control	Silt curtains, silt fencing and oil booms shall be installed where necessary such as on the outside of the dam used to seal off construction site and maintained throughout works.	Construction
Runoff Management	Surface runoff shall be managed through interception, settlement and filtration in accordance with best practice guidance.	Construction
Drainage Protection	Works shall not impair existing land drainage systems.	Construction
4. Soils & Ground		
Soil and Sediment Characterisation	Soil and riverbed material characteristics shall be identified and considered during construction, including variation in sediment types.	Pre-Construction & Construction
Ground Conditions	Construction shall respond to variable ground conditions, including soft spots, scour holes and sediment layers, to minimise disturbance and instability.	Construction
Excavation Management	Excavation shall be undertaken in controlled stages to minimise disturbance and sediment mobilisation.	Construction
Sediment Management at Source	Disturbance to riverbed sediments shall be minimised through controlled excavation and immediate stabilisation where required.	Construction
Soil Handling	Excavated materials shall be handled to prevent erosion, compaction and transport to the watercourse.	Construction
Erosion Prevention	Exposed soils and riverbanks shall be protected from erosion through staged works and appropriate stabilisation.	Construction
Material Reuse	Suitable excavated material shall be reused on-site where feasible.	Construction
Archaeological Assessment	An archaeologist will be employed to assess and monitor all investigations and excavations. An Underwater Archaeological Impact Assessment and report are to be submitted to the National Monuments Service. Archaeological material that is removed if appropriate must be recorded.	Pre-Construction & Construction
5. Materials, Pollution Prevention & Waste		
Fuel Management	No fuel shall be stored on site. Fuel shall be delivered on a need basis so safe fuel storage on site is not needed.	Construction

Pollution Prevention Measures	All works shall be undertaken in accordance with EPA pollution prevention guidance to avoid contamination of water, soil or air. A silt curtain and an oil boom will be employed downstream from the weir to stop hydrocarbons and sedimentation entering the water.	Construction
Spill Response	Spill kits shall always be available, and procedures implemented for immediate containment and clean-up	Construction
Concrete Control	No concrete or washout water shall be permitted to enter the watercourse.	Construction
Waste Management Plan	A Waste Management Plan shall be prepared prior to commencement and implemented for the duration of works	Pre-Construction % Construction