

Compliance Report for the Schedule of Environmental Commitments									
EIS / NIS Reference	EIS / NIS Pg. No.	Impact	Specific Mitigation Measure	Specific Implementation Action	Responsibility	Status			
Human Beings/Socio economic									
5.4.1		Economic	Access ramps will be constructed on some of the proposed embankments to maintain access to properties and land.		OPW	2018			
Ecology (terrestrial and Aquatic)									
6.5.1	EIS p71	Siltation	The edge of the proposed embankment beside Templemore Lake will be a minimum of 5m from the boundary. No material will be stored within this buffer zone.		OPW/ Ecologist	2018			
6.5.2	EIS p71	Birds / Biodiversity	Hedge-row, tree-line and woodland vegetation that is to be retained will be clearly marked and fenced off to avoid accidental damage during excavations and site preparation. No materials should be stored within 5m of retained hedgerows/trees/woodland.	Fox den has been identified on site no licencing requirements however as a matter of good environmental practice this location will not be interfered with.	OPW/ Ecologist	Ongoing			
6.5.2 and 7.5.2	EIS p71,95	Environmental	The proposed Site works method statements will be reviewed and monitoring will be conducted by an Ecologist.	As per CEMP	OPW/ Ecologist	Ongoing			
6.5.3	EIS p71	Otters	Construction works will follow the NRA's documents 'Guidelines for the Crossing of Watercourses during the Construction of National Road Schemes' (NRA, 2005) and 'Guidelines for the treatment of otters during the Construction of National Road Schemes' (NRA, 2006).	Otter survey conducted along existing river channel	OPW/ Ecologist	Ongoing			
6.5.3	EIS p71	Otters	During vegetation clearance along drains and the Mall River, an Ecologist will resurvey this area specifically for otter. This will include assessing breeding activity within the site and a license application to the NPWS, if required.	As per CEMP	OPW/ Ecologist	Ongoing			
6.5.3	EIS p71	Otters	The Mall River corridor will not be blocked off especially at night.		OPW	Ongoing			
6.5.3 and 6.5.4	EIS p71, 72	Birds / Biodiversity	Loss of potential forage habitat (riparian woodland and sections of hedgerow) during construction will be compensated by native tree planting, the mix of which will be similar to existing tree/ shrub species. Following the construction phase, replanting using native woody vegetation of local provenance, currently existing on site will be implemented, where hedgerow and riparian vegetation removal was significant. Where this is likely to recover, natural re-colonisation is preferable.		OPW/ Ecologist	2018			
6.5.4	EIS p72	Birds / Biodiversity	It is recommended that woody vegetation removal be undertaken <u>outside</u> of the main bird nesting period which begins on March 1 <sup>st</sup> and continues until August 31 <sup>st</sup> . A licence is generally required from the National Parks and Wildlife Service under the Wildlife Acts 1976 and 2000 if any habitat (e.g. scrub, trees, hedgerows) is to be removed is known to contain nesting birds.	No licence required	OPW/ Ecologist	Concluded			
7.5.2	EIS p83,94	Aquatic species	The 'old' channel is to be modified to ensure that fish can no longer enter it and become trapped after a flood event. Any piped waste water discharges will be assessed in terms of waste assimilation capacity of the receiving water and treatment such as oil/water separation will be provided.		OPW	2018			
7.5.2 and 3.10.3.2	EIS P94, NIS p31	Aquatic species	The timing of the works will be agreed in advance with the National Parks and Wildlife Service (NPWS) and Inland Fisheries Ireland (IFI). The works are located within a river corridor used by salmonids and lampreys for spawning. To protect salmon and trout it will be necessary to time works outside the window of October to May. Brook lampreys spawn in the spring and early summer months and the timing of works should also take this species into account.	Consultation with IFI with regard to the downstream existing channel widening and deepening	OPW/ Ecologist	Ongoing			
7.5.2 and 3.10.3.2	EIS p94,127, NIS p31	Aquatic species	No in-stream excavations or other works involving interference with the bed, bank or soil should take place outside of the immediate areas where the flood channel joins the Mall River.		OPW	Ongoing			
7.5.2 and 3.10.3.3	EIS P94, NIS p31	Environmental	The appointed contractor will be required to provide a detailed method statement showing how water quality impacts and habitat loss during the works will be minimised. The methodology will be approved by both the IFI and the NPWS prior to any works taking place.	Consultation with IFI regarding Silt pond has occurred.	OPW	Ongoing			
7.5.2 and 3.10.3.3	EIS P94, NIS p31	Aquatic species / Biodiversity	A translocation plan will need to be designed and implemented prior to water being diverted into the new channel.		OPW	2018			
7.5.2 and 9.5.1 and 3.10.3.3	EIS p94,127, NIS p31	Fish	The fisheries board documents 'Maintenance and protection of the inland fisheries resource during road construction and improvement works. Requirements of the Southern Regional Fisheries Board' (Kilfeather, 2007) and 'Requirements for the Protection of Fisheries Habitat during Construction and Development Works at River Sites' (Murphy, 2004) would also be followed where relevant.		OPW/ Ecologist	Ongoing			
7.5.2 and 3.10.3	EIS p95, NIS p31	Siltation	A silt fence (or equivalent barrier) will be used to surround the works areas.	A silt fence has been erected around spoil deposition area.	OPW/ Ecologist	Ongoing			
7.5.2	EIS p95	Pollution	All necessary measures will be taken to prevent the release of oil, fuels or other pollutants into the Mall River.	As per CEMP	OPW/ Ecologist	Ongoing			
7.5.1 and 9.5.1	EIS p93,127	Siltation	The works will be carried out during dry weather and halted during heavy rainfall to reduce suspended solids in the river.	Siltation pond has been constructed as per the environmental officers instructions.	OPW/ Ecologist	Ongoing			
7.5.2 and 9.5.1	EIS p95,127	Siltation	Spoil and removed vegetation material from the river is to be stored no less than 5m back from the river and vegetation within this 5m buffer zone is to be retained, in order to reduce the run-off of suspended solids back into the water course.		OPW/ Ecologist	Ongoing			
7.5.2	EIS p95, NIS p32	Invasive species / biodiversity	The machines being used to excavate the river may contain fragments of exotic invasive flora and therefore they will need to be cleaned at the start of the excavation of the river.	As per CEMP	OPW/ Ecologist	Ongoing			
7.5.2	EIS p95	Birds / Biodiversity	Particular care will be taken when working near mature trees in order to protect roots extending into the works site. Mature trees will be retained and scrub and hedgerow will be retained where possible.	As per CEMP	OPW/ Ecologist	Ongoing			
7.6	EIS p96	Aquatic Species	It will be important to ensure that the proposed weir is designed to be suitable for passage of brook lampreys and white-clawed crayfish. A suitable solution would be to backfill the downstream end of the weir to create a 'rock ramp'.		OPW	2018			
3.10.2.1	NIS p28	Fish	The flood channel will be designed to have a consistent gradient with no areas of pooled water where fish may become trapped after a flood event.	As per CEMP	OPW	Ongoing			
Soils and Geology									
8.5.1	EIS p115	Siltation	Settlement of runoff and groundwater from the construction site will be required as part of the site works. Works will be undertaken in accordance with CIRIA 650 'Environmental good practice on site'.	Siltation pond has been constructed as per the environmental officers instructions. suspended solids monitoring ongoing.	OPW	Ongoing			
8.5.1	EIS p115	Soil	Planned construction works will be carried out with the minimum disturbance of soils.	Silt curtain installed where appropriate	OPW	Ongoing			
8.5.1	EIS p115	Pollution	To minimise any impact on the underlying subsurface strata from material spillages, all oils, solvents and paints used during construction will be stored within specially constructed dedicated temporary bunded areas.	Refuelling locations have been identified.	OPW	Ongoing			
8.5.1	EIS p115	Socio / Economic	Refuelling of construction vehicles and the addition of hydraulic oils or lubricants to vehicles, will take place in a designated area, away from surface water gullies or drains. Spill kits and hydrocarbon absorbent packs will be stored in this area and operators will be fully trained in the use of this equipment.	Refuelling locations have been identified.	OPW	Ongoing			
8.5.1	EIS p115	Socio / Economic	A detailed condition survey should be conducted on properties within 5m of the diversion prior to and post construction.	As per CEMP	OPW	Ongoing			
8.5.1	EIS p115	Maintenance	The maintenance of the embankment should follow the framework and principles set out in 'Management of Flood Embankments, A good practice review' (DEFRA/EA, 2007).	As per CEMP	OPW	2018			
Water									
9.5.1	EIS p126	Pollution	With regard to on-site storage facilities and activities, any raw materials, fuels and chemicals, will be stored within structurally sound warehousing buildings and/or bunded areas if appropriate to guard against potential accidental spills or leakages. All equipment and machinery will have regular checking for leakages and quality of performance.	As per CEMP	OPW	Ongoing			
9.5.1	EIS p126	Siltation	All potential run-off is to be diverted through appropriate settlement tanks/grit traps.	As per CEMP	OPW	Ongoing			
9.5.1	EIS p127, NIS p31	Siltation	The river channel works will be carried out during dry weather and halted during heavy rainfall events to reduce suspended solids in the river and flowing to other parts e.g. the River Suir. Spoil and removed vegetation material from the river is to be stored no less than 5m back from the river and vegetation within this 5m buffer zone is to be retained, in order to reduce the run-off of suspended solids back into the watercourse.	As per CEMP	OPW/ Ecologist	Ongoing			
9.5.2	EIS p127	Fish	Routine channel maintenance will be based on guidance from the Regional Fisheries Board Guidelines (Murphy, D.F. 2004) and the Fishery Guidelines for Local Authority works (1988) where appropriate.	As per CEMP	OPW	2018			
9.5.3	EIS p127	Pollution	Strict monitoring of all potential polluting materials used will be maintained.	As per CEMP	OPW	Ongoing			
Noise and Vibration									
10.6.1	EIS p138	Human Health	The construction team will ensure that all plant items used during the construction phase will comply with standards outlined in European Communities (Construction Plant and Equipment) (Permissible Noise Levels) Regulations (1990). The mitigation measures are outlined in BS5228: Noise Control on Construction and Open Sites (2009), which offers detailed guidance on the control of noise from construction activities.		OPW	Ongoing			
10.6.1	EIS p138	Human Health	Night time working will typically not occur, but there is the unlikely possibility that there may be a necessity to continue to operate generator, pumps or other equivalent machinery at a number of locations, where excavations etc may cause activity to remain in one location for a longer period of time. On these infrequent occasions, should they arise at all, screening and enclosures can be utilised. For maximum effectiveness, a screen should be positioned as close as possible to either the noise source or receiver. The screen should be constructed of material with a mass of >70g/m <sup>2</sup> and should have no gaps or joints in the barrier material. This can be used to limit noise impact to any noise sensitive receptors, if required by agreement with the local authority.		OPW	Ongoing			
10.6.1	EIS p139	Human Health	Appoint a site representative responsible for matters relating to noise, and establish channels of communication between the contractor / developer, local authority and resident i.e. for notification of requirement of night works, should this be required.		OPW	Ongoing			
10.6.1	EIS p139	Human Health	Locate of noisy plant as far away from sensitive receptors, as permitted by site constraints.		OPW	Ongoing			

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