



## APPENDIX 6

### NIS SCHEDULE OF MITIGATION MEASURES

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Ref. No.	Reference Heading	Reference Location	Mitigation Measure	Audit Result	Action Required
MM1	Indirect Effects on European Sites – Water Quality	Section 6.2.1 of the NIS	<p><b>Pre-commencement Temporary Drainage Works:</b></p> <p>Prior to the commencement of substation, cable trenching, access road or end mast works the following key temporary drainage measures shall be installed:</p> <ul style="list-style-type: none"> <li>➤ All existing roadside drains (where present) that intercept the proposed works area shall be temporarily blocked down-gradient of the works using check dams/silt traps;</li> <li>➤ Culverts, manholes and other drainage inlets (where present) shall also be temporarily blocked;</li> <li>➤ A double silt fence perimeter shall be placed along the road verge on the down-slope side of works areas that are located inside the watercourse 50m buffer zone.</li> </ul>		
MM2	Indirect Effects on European Sites – Water Quality	Section 6.2.1 of the NIS	<p>The following mitigation measures are proposed for the underground cabling watercourse crossing works:</p> <ul style="list-style-type: none"> <li>➤ No stock-piling of construction materials shall take place along the grid route;</li> <li>➤ No refuelling of machinery or overnight parking of machinery shall be permitted in this area;</li> <li>➤ No concrete truck chute cleaning shall be permitted in this area;</li> <li>➤ Works shall not take place at periods of high rainfall, and shall be scaled back or suspended if heavy rain is forecast;</li> <li>➤ Local road drainage, culverts and manholes shall be temporarily blocked during the works;</li> <li>➤ Machinery deliveries shall be arranged using existing structures along the public road;</li> <li>➤ All machinery operations shall take place away from the stream and ditch banks, apart from where crossings occur. Although no instream works are proposed or shall occur;</li> </ul>		

			<ul style="list-style-type: none"> <li>➤ Any excess construction material shall be immediately removed from the area and sent to a licenced waste facility;</li> <li>➤ No stockpiling of materials shall be permitted in the constraint zones;</li> <li>➤ Spill kits shall be available in each item of plant required to complete the stream crossing; and,</li> <li>➤ Silt fencing shall be erected on ground sloping towards watercourses at the stream crossings if required.</li> </ul>		
MM3	Indirect Effects on European Sites – Water Quality	Section 6.2.1 of the NIS	<p>Fracture Blow-out (Frac-out) Prevention and Contingency Plan:</p> <ul style="list-style-type: none"> <li>➤ The drilling fluid/bentonite shall be non-toxic and naturally biodegradable (i.e. Clear Bore Drilling Fluid or similar shall be used);</li> <li>➤ The area around the drilling fluid batching, pumping and recycling plants shall be bunded using terram and/or sandbags to contain any potential spillage;</li> <li>➤ One or more lines of silt fencing shall be placed between the works area and the adjacent river;</li> <li>➤ Spills of drilling fluid shall be cleaned up immediately and transported off-site for disposal at a licensed facility;</li> <li>➤ Adequately sized skips shall be used where temporary storage of arisings are required;</li> <li>➤ The drilling process / pressure shall be constantly monitored to detect any possible leaks or breakouts into the surrounding geology or local watercourse;</li> <li>➤ This shall be gauged by observation and by monitoring the pumping rates and pressures. If any signs of breakout occur then drilling shall be immediately stopped;</li> <li>➤ Any frac-out material shall be contained and removed off-site;</li> <li>➤ The drilling location shall be reviewed, before re-commencing with a higher viscosity drilling fluid mix; and,</li> <li>➤ If the risk of further frac-out is high, a new drilling alignment shall be sought at the crossing location.</li> </ul>		