

ENVIRONMENTAL MANAGEMENT PLAN

POTENTIAL IMPACT PER PROJECT ACTIVITY PER PROJECT PHASE	MITIGATING MEASURES	RATING/ PERFORMANCE OF MITIGATING MEASURES
<b>A. Construction Phase</b>		
Site Development/Site Clearing		
Potential siltation of nearby bodies of water due to soil erosion	<ul style="list-style-type: none"><li>• Provision of sediment control measures such as sediment traps, slope stabilization, etc.</li></ul>	100% no siltation of nearby bodies of water
Degradation of surface water quality due to contamination from domestic wastewater	<ul style="list-style-type: none"><li>• Provision of (<u>indicate number</u>) portalets for construction workers  <i>Note: at least one (1) portalet for 60 workers where the number of male workers exceeds 500 (as per IRR-Industrial Hygiene, PD 856 Amending Administrative Order 111 Series of 1991)</i>  <i>Note: at least one (1) portalet for 25 workers where the number of male workers exceeds 100 (as per IRR-Industrial Hygiene, PD 856 Amending Administrative Order 111 Series of 1991)</i></li><li>• Provision of septic tank or wastewater collection system for workers</li><li>• Hauling of wastewater from portalets/ septic tank by third party contractor with licensed/permit from LGU and with valid Discharge Permit for wastewater treatment facility</li></ul>	100% no discharge of domestic wastewater to nearby bodies of water
Generation of dust from site preparation	<ul style="list-style-type: none"><li>• Maintain a wet access road surface/project site by sprinkling water at least twice (2x) a day during dry season</li></ul>	100% no dust generation
Noise pollution from delivery trucks	<ul style="list-style-type: none"><li>• Use of mufflers and exhaust silencers</li></ul>	100% Noise within standard
Generation of noise from heavy equipment	<ul style="list-style-type: none"><li>• Use of mufflers and exhaust silencers for construction equipment</li><li>• Provision of appropriate noise mitigating measures (such as construction of fences, enclosure of stationary work areas and equipment, maintenance of equipment, etc.) whenever applicable</li></ul>	100% Noise within standards
Generation of spoils (including excavated soils)	<p>Excavated materials shall be properly stockpiled and properly disposed or reused. Excess soil materials shall not be deposited along areas traversed by runoff and away from waterways and valuable crops. The proponent shall identify stockpile sites (with geographical coordinates)</p> <p>Spoil materials will be hauled by third party hauler with approved</p>	100% no spoil materials will be left unattended and no mud/dirt will be transferred in the road

	<p>permit/clearance from LGU or the proponent should identify disposal sites (with geographical coordinates)</p> <p>Trucks shall be thoroughly washed before leaving the project site to avoid the transfer of mud/dirt in the road</p> <p>Use of spoils as fill materials in lower areas subject to the approval of LGU</p>	
Generation of construction debris	<ul style="list-style-type: none"> <li>• Segregation and collection of construction debris in compliance to RA 9003</li> <li>• Hauling of construction debris by 3<sup>rd</sup> party hauler</li> </ul>	100% collected/hailed construction debris
Generation of used oil, paint, batteries, and other hazardous materials	<ul style="list-style-type: none"> <li>• Provision of storage for hazardous wastes with proper labelling</li> <li>• Collection of hazardous wastes by DENR accredited 3<sup>rd</sup> party hauler and treater</li> </ul>	100% compliance to RA 6969
<b>B. Operation Phase</b>		
<b>Operation and Maintenance of the Main and Support Facilities</b>		
Generation of solid wastes	<ul style="list-style-type: none"> <li>• Provision and maintenance of Materials Recovery Facility</li> <li>• Implement recovery re-use and recycling of waste materials</li> <li>• Provide receptacles / bins for solid wastes</li> <li>• Composting of Organic Wastes</li> </ul>	100% compliance with RA 9003
Contamination of surface water from domestic wastewater	<p>Provision of adequate Wastewater Treatment Facility (Sewage Treatment Plant) to treat the collected wastewater, whichever is applicable:</p> <p><input type="checkbox"/> Hygienic septic tank (for 212 occupants or less – DILG MC 2019-62) with regular desludging by third party contractor (the contractor must have a valid discharge permit of its treatment facility).</p> <p><input type="checkbox"/> Wastewater treatment facility (for more than 212 occupants – DILG MC 2019-62)</p> <p>Note: For 98L per person per day water consumption; 80% will become wastewater – hence for 300 persons; at least 23.52 cubic meter per day WTF capacity shall be installed and operated</p>	100% conformance to effluent standards
Noise pollution due to operation of heavy equipment during silt removal	<ul style="list-style-type: none"> <li>• Use of mufflers and exhaust silencers</li> <li>• All workers must be equipped with PPEs</li> </ul>	100% Noise within standard
Generation of effluents due to wastewater generation	<ul style="list-style-type: none"> <li>• Monitoring of the following significant effluent quality parameters: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Total Suspended Solids</li> <li><input checked="" type="checkbox"/> pH</li> <li><input checked="" type="checkbox"/> Oil and Grease</li> <li><input checked="" type="checkbox"/> Fecal/Total Coliform</li> </ul> </li> </ul>	100% compliance with DENR effluent standards (RA 9275); (i.e.DAO 2016-08 and DAO 2021-19)