

FOR BUILDING PROJECTS
ENVIRONMENTAL MANAGEMENT PLAN

POTENTIAL IMPACT PER PROJECT ACTIVITY PER PROJECT PHASE	MITIGATING MEASURES	RATING/ PERFORMANCE OF MITIGATING MEASURES
A. Construction Phase		
A.1 Site Development including minor excavation, Delivery of Construction Materials and Construction of Buildings		
Potential siltation of nearby bodies of water due to soil erosion	<ul style="list-style-type: none"> Provision of sediment control measures such as sediment traps, slope stabilization, etc. 	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"> Provision of (<u>indicate number</u>) portalets for construction workers <p><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></p> <p><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></p> <ul style="list-style-type: none"> Provision of septic tank or wastewater collection system for workers <p>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</p>	100% no discharge of domestic wastewater to nearby bodies of water
Generation of dust from site preparation	<ul style="list-style-type: none"> Maintain a wet access road surface/project site by sprinkling water at least twice (2x) a day during dry season 	100% no dust generation
Noise pollution from delivery trucks	<ul style="list-style-type: none"> Use of mufflers and exhaust silencers 	100% Noise within standard
Generation of noise from heavy equipment	<ul style="list-style-type: none"> Use of mufflers and exhaust silencers for construction equipment Provision of appropriate noise mitigating measures (such as 	100% Noise within standards

	construction of fences, enclosure of stationary work areas and equipment, maintenance of equipment, etc.) whenever applicable	
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 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>	100% no spoil materials will be left unattended and no mud/dirt will be transferred in the road
Generation of construction debris	<ul style="list-style-type: none"> • Segregation and collection of construction debris in compliance to RA 9003 • Hauling of construction debris by 3rd party hauler 	100% collected/hailed construction debris
Generation of used oil, paint, batteries, and other hazardous materials	<ul style="list-style-type: none"> • Provision of storage for hazardous wastes with proper labelling • Collection of hazardous wastes by DENR accredited 3rd party hauler and treater 	100% compliance to RA 6969
B. Operational Phase		
B.1 Operation and maintenance of facilities		
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>	100% conformance to effluent standards

	<input type="checkbox"/> Wastewater treatment facility (for more than 212 occupants – DILG MC 2019-62) 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	
Generation of non-hazardous solid wastes including domestic wastes	<ul style="list-style-type: none"> • Segregation of wastes and provision of waste storage facility • Provision of an MRF including composting area • Ensure the use of garbage chute for efficient collection and disposal (if applicable) Hauling of solid wastes by third party hauler with permit/clearance from LGU	100% conformance to RA 9003
Degradation of air quality due to use of generator set (<i>if any</i>)	<ul style="list-style-type: none"> • Regular maintenance of the generator set 	100% compliance to RA 8749
Generation of busted lamps and other hazardous materials	Provision of centralized storage facility/area and collected by hazardous wastes DENR accredited 3 rd party haulers/treaters. <ul style="list-style-type: none"> • Hazardous waste generation ID shall be secured from EMB. 	100% compliant to RA 6969
Generation of effluents due to wastewater generation	<ul style="list-style-type: none"> • Monitoring of the following significant effluent quality parameters (based on PSIC Code 681): <ul style="list-style-type: none"> <input checked="" type="checkbox"/> BOD <input checked="" type="checkbox"/> Fecal Coliform <input checked="" type="checkbox"/> Ammonia <input checked="" type="checkbox"/> Nitrate <input checked="" type="checkbox"/> Phosphate <input checked="" type="checkbox"/> Oil and Grease <input checked="" type="checkbox"/> Surfactants 	100% compliance with DENR effluent standards (RA 9275); (i.e.DAO 2016-08 and DAO 2021-19)