

**FOR POULTRY PROJECTS**  
**ENVIRONMENTAL MANAGEMENT PLAN**

POTENTIAL IMPACT PER PROJECT ACTIVITY PER PROJECT PHASE	MITIGATING MEASURES	RATING/ PERFORMANCE OF MITIGATING MEASURES
<b>A. Construction Phase</b>		
<b>A.1 Site Development</b>		
Generation of spoils such as excess fill materials from grading and excavation activities	<ul style="list-style-type: none"> <li>Excess spoils to be hauled by third party hauler for proper disposal</li> <li>Trucks should be thoroughly washed before leaving the project site to avoid the transfer of mud/dirt in the road</li> <li>Hauling trucks should be fully covered to avoid spillage of spoils generated from the grading and excavation activities</li> <li>Proper onsite storage of spoils</li> </ul>	100% no spoil materials will be left unattended
Degradation of surface water quality due to contamination from domestic wastewater	<ul style="list-style-type: none"> <li>Provision of portalets for construction workers</li> </ul> <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"> <li>Provision of temporary septic tank or wastewater collection system for workers</li> <li>Collection of wastewater from portalets/septic tanks by third party shall be covered by a licensed/permit from LGU and with valid Discharge Permit for the wastewater treatment facility</li> </ul>	100% no discharge of domestic wastewater to nearby bodies of water, soil, and subsoil
Potential siltation of nearby water bodies due to soil erosion	<ul style="list-style-type: none"> <li>Provision of drainage systems to minimize and control infiltration of sediments to the nearby water bodies</li> <li>Provision of engineering and/or environmental measures to control the rate of erosion and siltation</li> </ul>	100% prevention of siltation that might be brought by the site development
Generation of dust from site preparation	<ul style="list-style-type: none"> <li>Maintain a misty access road surface within project site by sprinkling of water at least (2x) twice a day during dry season</li> </ul>	100% no dust generated
<b>A.2 Delivery of Construction materials to project site</b>		

Noise Pollution from Delivery Trucks	<ul style="list-style-type: none"> <li>• Use of mufflers and exhaust silencers</li> </ul>	100% compliance to NPCC MC 02 Series of 1980
Emissions from Delivery trucks	<ul style="list-style-type: none"> <li>• Use of properly maintained delivery trucks</li> </ul>	100% compliance with RA 8749
<b>A.3 Construction of Facilities</b>		
Generation of noise due to construction activities	<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, etc. whenever applicable)</li> </ul>	100% compliance to NPCC MC 02 Series of 1980
Generation of construction debris	<ul style="list-style-type: none"> <li>• Proper collection of construction debris in compliance to Solid Waste Management Act (RA 9003)</li> <li>• Collection of construction debris thru third party hauler with valid permit/clearance;</li> </ul>	100% compliant to RA 9003
Generation of used oil, paint containers, used 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 3rd party transporter and treater</li> </ul>	100% compliant to RA 6969
<b>B. Operational Phase</b>		
Generation of domestic wastewater	<p>Provision of sewage treatment plant with capacity based on the total personnel/workers in the plant and the capacity of the poultry (no. of birds)</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% Compliance to DENR effluent standards
Generation of hazardous materials (eg. used oil from motorpool, mfg plant, oil/grease from skimmer/grease/trap, busted fluorescent bulb, used batteries etc.)	<ul style="list-style-type: none"> <li>• Provision of storage facility/area and shall be collected by hazardous wastes DENR accredited third party transporter and treater</li> <li>• Provision of oil containment system (i.e. oil/water separator, ring canal, grease traps) for fuel tanks/ motorpool/ maintenance areas</li> </ul>	100% compliant to RA 6969

Generation solid wastes (e.g. expired raw materials/ product rejects/ products returned by customers) and domestic solid waste	<ul style="list-style-type: none"> <li>• Provision of Materials Recovery Facility (MRF)</li> <li>• Segregation of wastes with proper labelling.</li> <li>• Hauling of solid wastes/domestic wastes by third party contractor with permit/clearance from LGU for proper disposal of wastes (ie. For composting/conversion to fertilizers)</li> </ul>	100% compliant to RA 9003
Proliferation of flies	<ul style="list-style-type: none"> <li>• Excess feed, litter, broken eggs and mortalities on which flies lay their eggs must be removed from the house as soon as discovered;</li> <li>• Litter remaining on the farm should be managed so that it remains dry and friable by:</li> <li>• Managing the height of drinking systems and checking water flow rates will help reduce the incidence of wet litter.</li> <li>• Drinking systems should be checked regularly to ensure that there are no leaks.</li> <li>• Litter removed at depletion should not be stored on the farm or spread on land adjacent to the farm. It must be removed with a trailer covered in a tarpaulin away from the farm and disposed of in accordance with government regulations.</li> <li>• Regular spraying of insecticide to avoid fly larvae generation</li> <li>• Proper ventilation of poultry house by providing extraction fans that direct an outward airflow to prevent flies from entering the poultry house.</li> <li>• Provision of water-tight mortality pit.</li> </ul>	No flies proliferation in the community coming from the poultry farm and/or no complaint received from the community regarding flies proliferation
Potential flooding due to heavy rains	<ul style="list-style-type: none"> <li>• Provision of rain water harvesting/ cisterns and collection ponds.</li> <li>• Provision of drainage system around the poultry house.</li> <li>• Provisions of engineering and/or environmental measures to prevent flooding in the project area</li> </ul>	100% no flooding incidence caused by the project
Generation of foul odor	<ul style="list-style-type: none"> <li>• Implementation of regular collection/removal of chicken manure at the poultry buildings to be composted on or off site to prevent odor nuisance</li> </ul>	No complaint received from the community regarding the foul odor coming from the project area
Generation of effluents due to wastewater generation	<ul style="list-style-type: none"> <li>• Monitoring of the following significant effluent quality parameters (based on PSIC Code 014):   <input checked="" type="checkbox"/> BOD </li> </ul>	100% compliance with DENR effluent standards (RA 9275); (i.e.DAO

	<div><input checked="" type="checkbox"/> Total Suspended Solids</div> <div><input checked="" type="checkbox"/> Total Coliform</div> <div><input checked="" type="checkbox"/> Ammonia</div> <div><input checked="" type="checkbox"/> Phosphate</div>	2016-08 and DAO 2021-19)
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