

FOR HOSPITALS
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. • Provision of an easement from water bodies at least three (3) meters in urban areas, twenty (20) meters in agricultural areas, and forty (40) meters in forest areas in compliance to the Water Code of the Philippines; 	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% compliance to RA 8749
Noise pollution from delivery trucks	<ul style="list-style-type: none"> • Use of mufflers and exhaust silencers 	100% Noise within standard

		(NPCC MC 002 Series of 1980)
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 construction of fences, enclosure of stationary work areas and equipment, maintenance of equipment, etc.) whenever applicable 	100% Noise within standards (NPCC MC 002 Series of 1980)
Generation of spoils (including excavated soils)	<ul style="list-style-type: none"> • Spoil materials will be hauled by third party hauler with approved permit/clearance from LGU to a designated dumping site with geotagged coordinates • Trucks shall be thoroughly washed before leaving the project site to avoid the transfer of mud/dirt in the road 	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
Potential impacts of collapse in deep excavation resulting to damage to properties	<ul style="list-style-type: none"> • Appropriate engineering measures for soil stabilization 	100% no damage to other properties
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	Provision of adequate Wastewater Treatment Facility (Sewage Treatment Plant) to treat the collected wastewater.	100% conformance to effluent standards
Contamination of water due to oil/grease from the kitchen	<ul style="list-style-type: none"> • Wastes generated shall be provided with a pre-treatment facility prior to treatment in the wastewater treatment facility • wastes (grease and fats) generated shall be properly managed/handled, stored and disposed to eliminate odor nuisance (putrefaction) 	100% conformance to RA 9275

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 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
Degradation on air quality due to the use of boilers (if any)	<ul style="list-style-type: none"> • Fuel used should be clean fuel (Diesel/LPG) 	100% compliance to RA 8749
Generation of 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 medical waste a. Infectious/ pathological	Please specify method of sanitation/treatment <ul style="list-style-type: none"> <input type="checkbox"/> Autoclave <input type="checkbox"/> Microwave <input type="checkbox"/> Pyrolysis <input type="checkbox"/> Others: _____ 	100% infectious wastes sanitized
Generation of medical waste b. Sterilized materials from the use of autoclave, microwave etc.	Please specify method of disposal: <ul style="list-style-type: none"> <input type="checkbox"/> Disposal of waste in a category 4 Landfill <input type="checkbox"/> Septic vault <input type="checkbox"/> Cement fixation <input type="checkbox"/> Others: _____ 	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 86, 87): <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Color <input checked="" type="checkbox"/> Temperature <input checked="" type="checkbox"/> BOD <input checked="" type="checkbox"/> Total Suspended Solids <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)