CORN AND RICE MILL
ENVIRONMENTAL MANAGEMENT PLAN

POTENTIAL IMPACT PER PROJECT ACTIVITY PER PROJECT PHASE	MITIGATING MEASURES	RATING/ PERFORMANCE OF MITIGATING MEASURES
A. Construction Phase(including site development)		
Degradation of ground water quality due to contamination from domestic wastewater	• Provision of (indicate number) portalets for construction workers *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)* *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)* • Provision of wastewater collection system for workers • Hauling of wastewater from portalets by third party shall be covered by a licensed/permit from LGU and with valid Discharge Permit for the wastewater treatment facility	100% no discharge of domestic wastewater to nearby bodies of water
Dust generation from site preparation	Maintain a misty access road surface/project site by sprinkling of water at least twice (2x) a day during the dry season	100% no dust generation
Generation of spoils	• Spoil materials shall be hauled by third party hauler with approved permit/clearance from LGU • Trucks should be thoroughly washed before leaving from 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
Potential siltation of nearby bodies of water due to surface water run-off	• Construction of soil erosion control measures (e.g. ripraps geotextiles, etc.) • Provision of siltation pond to collect water run-off • 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
B. Operation/Implementation Phase (Mill Operation)		

Degradation of air quality due to generation of particulates	• Use of the following: ☐ dust collector ☐ Bag filters • Provision of closed loop silo or silo connected to dust collector with fabric filters to avoid escape of grain particles • Proper segregation and provision of rice hull storage bins • Proper perimeter fencing sufficient enough to prevent dust dispersion or dust liberation to nearby communities	100% compliant to RA 8749
Generation of noise from equipments (mills, etc.)	• Provision of enclosures or muffling devices on engines and equipments • Use of sound absorbing liners (e.g. rubber) • Daytime operation only, or secure permit/clearance from concerned LGU if operating at nightime	100% within noise standards
Generation of used oil (from motorpool) and other hazardous waste materials (ie. used batteries, fluorescent lamps)	• Provision of storage facility/area and collection of hazardous wastes by DENR accredited 3rd party hauler and treater	100% compliant to RA 6969
Generation of domestic wastewater	• Provision of septic tank, to be siphoned regularly by third party hauler with existing treatment facility covered by valid Discharge Permit • Provision of siltation pond for collection of run-off water	100% compliant to RA 9275
Generation of solid wastes	• Provision of Materials Recovery Facility (MRF) • Proper segregation of wastes with proper labelling, and wastes materials manifest indicating the volume of waste and date of collection • Hauling of domestic solid waste by LGU or third party hauler with permit/clearance from LGU for proper disposal	100% compliant to RA 9003
Generation of effluents due to wastewater generation	• Monitoring of the following significant effluent quality parameters (based on PSIC Code 10610): ☑ BOD ☑ Total Suspended Solids	100% compliance with DENR effluent standards (RA 9275); (i.e.DAO 2016-08 and DAO 2021-19)