RISK ASSESSMENT WIZARD

Livestock Transportation

Risk Assessment

CONTACT DETAILS

IN AN EMERGENCY CALL:

Lead:	**Primary Contact:**
Participants:	

SERVICE/ACTIVITY DETAILS

Purpose:	**Date:**

Benefit: Enhances efficiency in agricultural supply chains and meat production industries. | Ensures the safe and humane movement of animals between locations. | Promotes compliance with animal welfare regulations and ethical standards. | Provides economic opportunities for farmers and livestock businesses. | Reduces stress and injury to livestock through proper handling and transport methods. | Supports the agricultural industry by facilitating livestock trade and management.

HAZARDS

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Aggressive animal behavior	Injuries to handlers, damage to enclosures, increased stress	Allows for the inclusion of a diverse range of animals in transport, supporting operational needs.	Assess animal temperament prior to loading and segregate aggressive individuals. Use appropriate handling techniques and equipment to manage behavior and prevent injuries. **(ALL)**	Handlers, livestock	Before Measure: **High** After Measure: **Med**
Animal health issues	Spread of disease, increased mortality, transport stress	Maintains herd health and meets market requirements for animal condition.	Conduct thorough health assessments of animals prior to transport. Isolate and treat any sick or injured animals to prevent disease spread and ensure only healthy animals are transported. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Breakdowns in remote areas	Extended delays, lack of access to emergency aid, increased stress for animals	Allows livestock transport through rural or remote areas necessary for agricultural trade.	Equip vehicles with emergency repair tools and ensure drivers have access to roadside assistance services. Carry extra supplies like water and feed in case of extended delays. **(ALL)**	Drivers, livestock	Before Measure: **High** After Measure: **Med**
Cross-border transport complications	Customs delays, regulatory non-compliance, quarantine issues	Facilitates international trade and livestock movement for agricultural and breeding purposes.	Ensure all necessary permits, health certificates, and customs documents are completed before travel. Stay updated on country-specific transport regulations and border control policies. **(ALL)**	Drivers, livestock, handlers	Before Measure: **High** After Measure: **Med**
Delays due to roadblocks or traffic accidents	Increased travel time, stress in animals, disrupted schedules	Ensures flexibility in transport schedules while optimizing route efficiency.	Use real-time GPS tracking and traffic monitoring to adjust routes when necessary. Plan alternative routes in advance to minimize delays. **(ALL)**	Drivers, livestock, handlers	Before Measure: **High** After Measure: **Med**
Difficulty in handling mixed-species transport	Aggressive behavior, injuries, stress, c ross-contamination	Allows for logistical flexibility in transport operations.	Transport animals of similar species, size, and temperament together whenever possible. If mixed transport is necessary, use dividers to separate incompatible groups. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**
Difficulty in monitoring animals during transit	Delayed response to distress, unnoticed injuries, increased mortality risk	Enables transport efficiency while still providing oversight on animal welfare.	Install onboard monitoring systems like cameras or ventilation sensors to check on animals without opening enclosures. Train drivers to perform routine checks safely at designated stops. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Driver fatigue	Reduced reaction time, impaired decision-making, increased risk of accidents	Enables long-distance transportation, expanding market reach and operational flexibility.	Implement strict adherence to regulated driving hours and mandatory rest periods. Schedule regular breaks and provide access to rest facilities to ensure drivers remain alert and capable. **(ALL)**	Drivers, road users	Before Measure: **High** After Measure: **Med**
Escape of animals during transport	Animal injuries, accidents, loss of livestock	Enables efficient movement of livestock while maintaining necessary access for handling.	Ensure all enclosures, gates, and barriers are secure before departure. Conduct regular checks during transit. Use double security measures like latches and secondary barriers to prevent animals from escaping. **(ALL)**	Livestock, road users, handlers	Before Measure: **High** After Measure: **Med**
Exposure to harmful gases (e.g., exhaust fumes, ammonia buildup)	Respiratory issues, heat stress, toxicity	Enables the safe and humane transport of animals under varying conditions.	Ensure adequate ventilation to prevent the accumulation of harmful gases inside transport vehicles. Regularly clean vehicles to reduce ammonia buildup from manure. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**
Extreme weather conditions	Heatstroke, hypothermia, dehydration, frostbite	Allows for year-round transportation, ensuring continuous operation and market supply.	Plan transport schedules considering weather forecasts. Equip vehicles with climate control features or provide additional bedding and ventilation adjustments to protect animals during extreme temperatures. **(ALL)**	Livestock, drivers	Before Measure: **High** After Measure: **Med**
Fatigue in animals	Reduced immunity, weight loss, stress-related illnesses	Enables long-distance transport, accessing broader markets.	Plan for rest periods during long journeys, providing animals with opportunities to rest, hydrate, and feed as necessary to prevent fatigue and associated health issues. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Improper loading techniques	Slips and falls, injuries to handlers, animal distress, inefficient loading times	Enables timely transportation of livestock, meeting market demands and reducing holding times.	Train personnel in low-stress animal handling and proper loading procedures. Use well-designed loading ramps with non-slip surfaces and appropriate angles to facilitate safe and efficient loading. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**
Inadequate biosecurity measures	Disease transmission, cross-contamination, loss of livestock health status	Supports the movement of livestock between different regions or farms, facilitating genetic diversity and market supply.	Establish and enforce biosecurity protocols, including cleaning and disinfecting vehicles between loads, controlling access to loading areas, and using protective clothing to prevent disease transmission. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**
Inadequate emergency preparedness	Delays in response, increased risk of fatalities, regulatory penalties	Prepares for unforeseen events, ensuring rapid response and minimizing impact.	Develop and regularly update an emergency response plan specific to livestock transport incidents. Equip vehicles with emergency supplies and ensure communication devices are functional for prompt assistance. **(ALL)**	Drivers, livestock, handlers	Before Measure: **High** After Measure: **Med**
Inadequate feeding and watering during transit	Dehydration, malnutrition, increased mortality	Maintains animal health during extended transportation periods.	Establish protocols for feeding and watering animals during transit, especially for long journeys. Equip vehicles with appropriate facilities or plan scheduled stops to meet animal nutritional needs. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**
Inadequate lighting in transport vehicles	Difficulty in checking animals, increased stress, injury risks	Enables flexible transport schedules, including nighttime travel, to meet delivery demands.	Ensure vehicles are equipped with proper interior lighting to allow animal checks at night or in dark conditions. Use red or dimmable lights to avoid distressing animals. **(ALL)**	Handlers, livestock	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Inadequate space allowance	Overcrowding, stress, injuries, reduced mobility	Allows for cost-effective transportation while ensuring animal welfare.	Follow recommended space per animal guidelines to prevent overcrowding, allowing animals to stand, lie down, and maintain balance. Adjust stocking density based on species, size, and transport duration. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**
Inadequate training of personnel	Poor animal handling, increased injuries, regulatory non-compliance	Utilizes available workforce resources, enabling operational continuity.	Provide comprehensive training programs for all personnel involved in livestock transport, covering animal handling, emergency procedures, and regulatory compliance. Conduct regular refresher courses to maintain competency. **(ALL)**	Handlers, livestock	Before Measure: **High** After Measure: **Med**
Inadequate vehicle maintenance	Brake failure, tire blowouts, structural weakness, lighting system failures	Allows for the efficient movement of livestock, supporting agricultural operations and market supply chains.	Implement a rigorous maintenance schedule for all transport vehicles, including regular inspections of brakes, tires, lighting systems, and structural components. Ensure that any identified issues are promptly repaired to prevent malfunctions during transit. **(ALL)**	Drivers, livestock, road users	Before Measure: **High** After Measure: **Med**
Inadequate ventilation	Heat stress, respiratory issues, buildup of harmful gases	Facilitates transportation during various weather conditions, maintaining animal welfare.	Ensure transport vehicles are equipped with adequate ventilation systems to maintain appropriate airflow and temperature. Monitor environmental conditions and adjust ventilation as needed during transit. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**
Legal restrictions on transport duration	Regulatory fines, increased animal stress, market disruptions	Ensures compliance with animal welfare laws while enabling long-haul transport.	Stay informed on transport regulations regarding maximum journey times. Schedule rest breaks and offloading points in advance to comply with legal requirements. **(ALL)**	Livestock, transport operators	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Limited access to veterinary care during transit	Untreated injuries, worsening of medical conditions, increased mortality	Enables long-distance transportation with contingency plans for emergencies.	Carry a basic veterinary first aid kit and train handlers in emergency animal care. Pre-identify vet clinics along the transport route and establish emergency response protocols. **(ALL)**	Livestock, handlers	Before Measure: **High** After Measure: **Med**
Mechanical failures during transit	Breakdowns, delays, increased risk of accidents	Ensures that transportation can proceed with contingencies in place, minimizing delays.	Equip vehicles with emergency repair kits and ensure drivers are trained in basic mechanical troubleshooting. Establish a protocol for emergency assistance to address mechanical failures promptly. **(ALL)**	Drivers, livestock, road users	Before Measure: **High** After Measure: **Med**
Overloading vehicles	Excessive weight causing instability, increased braking distance, structural damage	Maximizes transport efficiency by utilizing vehicle capacity within safe and ethical limits.	Adhere strictly to vehicle weight limits and space allowances per animal as recommended by animal welfare guidelines. Utilize appropriate equipment to weigh animals and calculate load distribution to prevent overloading. **(ALL)**	Drivers, livestock, road users	Before Measure: **High** After Measure: **Med**
Poor road conditions	Vehicle instability, increased travel time, risk of overturning	Allows access to remote or rural areas where livestock operations are commonly located.	Plan routes in advance, selecting roads known to be in good condition. Monitor road reports and adjust routes as necessary to avoid areas with poor conditions that could impact vehicle stability and animal comfort. **(ALL)**	Drivers, livestock, road users	Before Measure: **High** After Measure: **Med**
Regulatory non-compliance	Legal penalties, transport bans, loss of business reputation	Allows participation in regulated markets, expanding business opportunities.	Stay informed about current transportation regulations and industry standards. Implement compliance checks and maintain accurate records to demonstrate adherence to legal requirements. **(ALL)**	Business owners, drivers	Before Measure: **High** After Measure: **Med**

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Stress-induced animal injuries	Bruising, broken limbs, weight loss due to distress	Maintains animal welfare while facilitating necessary handling and transport activities.	Implement low-stress handling techniques, minimize loud noises and sudden movements, and design facilities to promote smooth animal movement to reduce stress and potential injuries. **(ALL)**	Livestock	Before Measure: **High** After Measure: **Med**
Sudden braking or sharp turns causing animal injury	Animal falls, bruising, fractures	Allows for safe and efficient driving while transporting live animals.	Train drivers in smooth braking and turning techniques to minimize animal stress and injuries. Ensure proper flooring and secure footing to help animals maintain balance. **(ALL)**	Livestock, drivers	Before Measure: **High** After Measure: **Med**
Unpredicted risks	Illness, injury, death		Continuous risk monitoring conducted by all staff. Any unforeseen hazards must be reported promptly to supervisors or management, with immediate corrective action taken as necessary. **(ALL)**	All	**N/A**

NOTES

Extra notes & activity evaluation:

Completed by	Reviewed/Approved by	Risk Assessment Date	Review Required Date