

Port Kirwan Abattoir Waste Management Plan

Project:

Construction of a small 12x20 kill room for purpose of processing sheep and lambs that are raised on the farm. The animal will be processed and then cut, packaged and sold in our currently existing, and regularly inspected meat shop.

Project Manager:

Brenda Aylward [REDACTED]

Location:

Aylward's Farm
Shute Lane, P.O. Box 13
Port Kirwan, NL
A0A 2G0

Date of Project:

Immediately upon approval from environmental agencies involved. Project is anticipated to take approximately 3-5 days to complete. Once room is constructed, it will be used 1-2 days per year when animals are processed. This is a seasonal event that does not occur more than once or twice a year.

Building site:

The project is located in Port Kirwan, Newfoundland on the Avalon Peninsula and is within the Municipality of Port Kirwan. Permission from the town and a letter of support is on file with the original Environmental Assessment (EA) submission. The 12x20 room will be directly behind the existing meat shop and facing the holding barn where animals are housed prior to the processing event.

Waste Management Measures During Construction

List of Targeted Materials for Recycling

Concrete

Roofing shingles

Metals

Plastics

Wood

Due to having building knowledge and being able to estimate the exact amount of building supplies that will be required, and considering the cost of materials, there will be very little if anything left over as a result of this project. We are a small family operated farm and nothing is wasted or discarded if possible.

Shingles- Excess shingles will be kept for future repair of the barns and buildings as required.

Concrete- There will be no excess cement as the it will all be used in the pouring of the cement floor. The owner of the Home Hardware is very accurate in supplying just the amount required as per the specifications. Should an additional bag not be required it would be returned to the store for refund. All mixed cement would be used in the floor.

Metals- All metal materials including tin siding and construction nails and studs will be recycled by Dominion Recycling. A slip will be obtained from them to verify the transaction. A careful inspection will be done daily to ensure all metal material is gathered and removed from the project area.

Plastics- the only plastics used in the project will be the plastic piping used for the septic and any unused pieces are recycled here on the farm. All sizes of plastic piping is used to make animal feeders and mineral containers for sheep and lambs. Very little excess is anticipated due to knowing the amount of material required for the project.

Wood- Any wood discarded from this project will be used by the farm owners for firewood in woodstoves and used to heat homes. There is no treated wood being used in this project.

Waste Management Measures During Septic installation

The laying of septic is a one day event and the plan for recycling of any left over plastic piping is highlighted above. In addition, the farm keeps a Spill Kit on premises about twenty feet from where the piece of heavy machinery will be working. The kit is easily accessible and kept on premise in case the machinery has a leak of fuel, oil, coolant or other non aggressive chemical spill. The kit contains safety goggles, nitrile gloves, heavy duty plastic bags and ties, absorbent towels and pads and container of kitty litter. The items are in a sealed container and labeled. There is also a shovel kept next to the spill kit at all times.

Waste Management Measures During Animal Processing

List of Sheep/Lamb parts used for human consumption

Sheep/lamb will be sold half or whole to customers and includes the choice cuts as well as the neck, shank(leg of lamb), ribs and flank.

Heads: will be kept for our own personal consumption

Internal organs: kidney, liver and heart are sold to customer as part of the purchased product

Stomach: stomach will be cleaned and sold as Haggis bags or used to make our own Haggis. This has been a requested item in our shop for years which we will be able to supply once we have a licenced facility to process lamb.

Blood: all blood is collected in stainless steel pans and then stored in sealed plastic buckets for use in blood puddings

List of Sheep/Lamb by- products used for dog food

All organ meat, excluding what is listed above

Intestines(cleaned)

Trimmed meat and fat from the cuts of meat

Ears and feet are dehydrated and used as dog chew treats (product in demand)

List of Sheep/Lamb parts used in creation of value added products

Fleeces: creation of sheep skin rugs and motorcycle seat covers(already established and product in demand)

Abattoir Septic Waste Disposal

We will utilize 100% of the sheep and lamb resulting in no product wastage. Efficient utilization of by-product will have a direct impact on the economy and result in reduced environmental pollution. Animals will be processed in approved kill room that meets regulations and will have a concrete sloped floor with the appropriate drain covers approved for the abattoir. Feed to the animals is withheld the night before processing which greatly minimizes internal waste. Any bodily waste and other fluids will be disposed of via the approved septic system. This will be minimal due to fact that the blood is retained.

Communication Plan

I (Brenda Aylward) am the primary contact for all communication matters on the farm. My name and contact number (709)330-2590 is provided to workers on site as well as to customers and anyone else having purpose on the farm. Also, all farm contact names and alternate numbers are posted in the meat shop and in barns if immediate contact is required. The construction project is small and will take less than a week to complete. The delivery people, builders, equipment drivers and government inspectors already have our contact information and/or know our numbers as they deal with the farm on a regular basis.

Contingency Plan

A contingency plan has been put in place on the off chance that the meat and by product becomes unusable for pet food. The waste will then be put into spill proof plastic barrels with locking lids and transported to the Sunnyside organic landfill. Permission has been attained from the landfill Manager to bring the waste there. We will drive into the site, offload the barrel and dump the contents as guided by the site coordinator. We will keep a Spill kit in the truck with contents as outlined above and will bring extra kitty litter, deck broom and shovel in the unlikely event of an accident or other situation on highway that would cause spillage. This is not anticipated as the drum would be plastic and sealed and able to withstand trauma but we will be prepared for the unexpected.