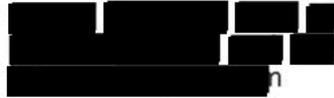


Nutrient Unit Calculation & Nutrient Management Summary

Kathleen Brodie



Subject: Nutrient Unit Calculation and Nutrient Management Summary for Permit Application

As part of my permit application, please find below the calculation and summary of the Nutrient Units (NU) for my property located at 084457 Southgate Road 08, Mount Forest, Ontario. The animals on site are all rescued or companion animals, not used for commercial production, but I have calculated the nutrient units using Ontario Regulation 267/03, Table 1 (Nutrient Unit Livestock Information) for accuracy and compliance.

Species	Quantity	Classification per O. Reg 267/03 Table 1	Animals per NU	Nutrient Units
Goat (neutered male)	1	Meat goat	8	0.125
Sheep (spayed ewes)	3	Meat ewe	8	0.375
Pig (spayed sow)	1	Sow, dry	3.5	0.286
Potbellied pigs (spayed)	7	Swine feeder (closest classification)	6	1.167
Chickens	13	Laying hens	150	0.087
Ducks	20	Pekin class	105	0.190
Turkey	1	Hen, 6–10 kg class	107	0.009
			Total Nutrient Units	≈ 2.24

Nutrient Management Plan Summary

Because the total livestock on site represents less than 5 Nutrient Units, the property does not require a formal Nutrient Management Strategy or Plan under O. Reg. 267/03. However, I am committed to managing manure and bedding in an environmentally responsible way, as follows:

- **Manure Storage:** All manure and bedding are stored on an elevated, well-drained area more than 30 m from the riverbank, with regular removal to prevent runoff or leaching.
- **Composting:** Manure is composted with straw and wood shavings to create stable organic matter before use on gardens or removal from site.
- **Land Application:** Finished compost is applied at **agronomic rates**, meaning only in quantities that meet plant nutrient needs and match the soil's capacity to absorb them—avoiding over-application or nutrient loss through runoff or leaching.
- **Runoff Control:** Vegetative buffer zones and natural slopes are maintained to prevent contamination of nearby watercourses.
- **Animal Density:** Given the very low NU total and the rescued, non-commercial nature of the animals, nutrient generation is minimal and poses no risk to groundwater or surface water.