



January 20, 2025

To whom it may concern:

We have completed a nutrient management strategy for [REDACTED] upon request, however it should be noted that this is not required by any regulation due to the very small scale of their hobby operation.

The following regulation states that a Nutrient Management Plan is only required when producing more than 300 NU annually, whereas [REDACTED] are only about 1.05 NU. For context [REDACTED] have 12 layer hens, 50 broilers, and 8 pigs total annually. For layers it would take 45,000 birds, for broilers it would take 75,000 birds, and for pigs it would take about 3,150 to reach 300 NU. This means they would need to be about 300 times larger than current production.

"Subject to subsection (3), if on the day subsection (1) requires the person who owns or controls an agricultural operation in the course of which nutrients are applied to the land of a farm unit to ensure that the nutrients are managed in accordance with a nutrient management plan, the number of farm animals on the farm unit is not sufficient to generate 300 or more nutrient units annually, section 14 does not apply to the operation until the day on which the number of farm animals on the farm unit is increased to a level that is sufficient to generate 300 or more nutrient units annually."

O. Reg. 338/09, s. 16 (2).

Brandon Cox

AOSPDC23375

Elite Agri Solutions Inc.

247 Main St., Glencoe ON, N0L 1M0

(519)-953-4479

brandon@eliteagrisolutions.ca

Nutrient management plan [REDACTED] NMS, Fall 2024 - Fall 2025)

General information

Please ensure you retain a copy of the completed NM Strategy (and NM Plan, if applicable) for your records. Please note, approved documents will not be returned. It is your responsibility to keep copies of the documents that comprise your approved NMS. You will be contacted by OMAFRA staff if you are required to provide additional information during the review process. Upon approval, your NM Strategy is valid for a period of 5 years. At that time, you are not required to resubmit, but are required to update the NM Strategy and to keep it file and available for inspection, if requested.

Preparer information

Preparer
Brandon Cox
(AOSPDC23375)

Contact details
247 Main Street
Glenora, ON, Canada N0L 1M0
519-953-4479
brandon@eliteagrsolutions.ca



Agricultural operation information

Operator contact
information

[REDACTED]
Road
Algonquin Highlands
ON
K0M 1S0
[REDACTED]

Owner is the same as the operator
Yes

Farm unit summary

Home Farm

This farm

- Generates ASM
- Receives ASM

Status
Owned

Tillable area
1.05 ac

Farm location

County of Haliburton, Township of
Algonquin Highlands
• STANHOPE, Concession: 8, Lot: 15
(Generates ASM)

911 address (if available)

[REDACTED] Road, Algonquin
Highlands, ON K0M 1S0

Material source summary

Solid (Solid)

Input materials
Solid (Solid)

Material type
Chickens

Total amount (Solid, 5 years)
358 ft³ (60 % DM)

Land applied (5 years)
3 ton (89.7 %)

Nutrient source
Nutrient databank (March 2024) (Wet Basis)

Dry Matter (DM)
60.909 %

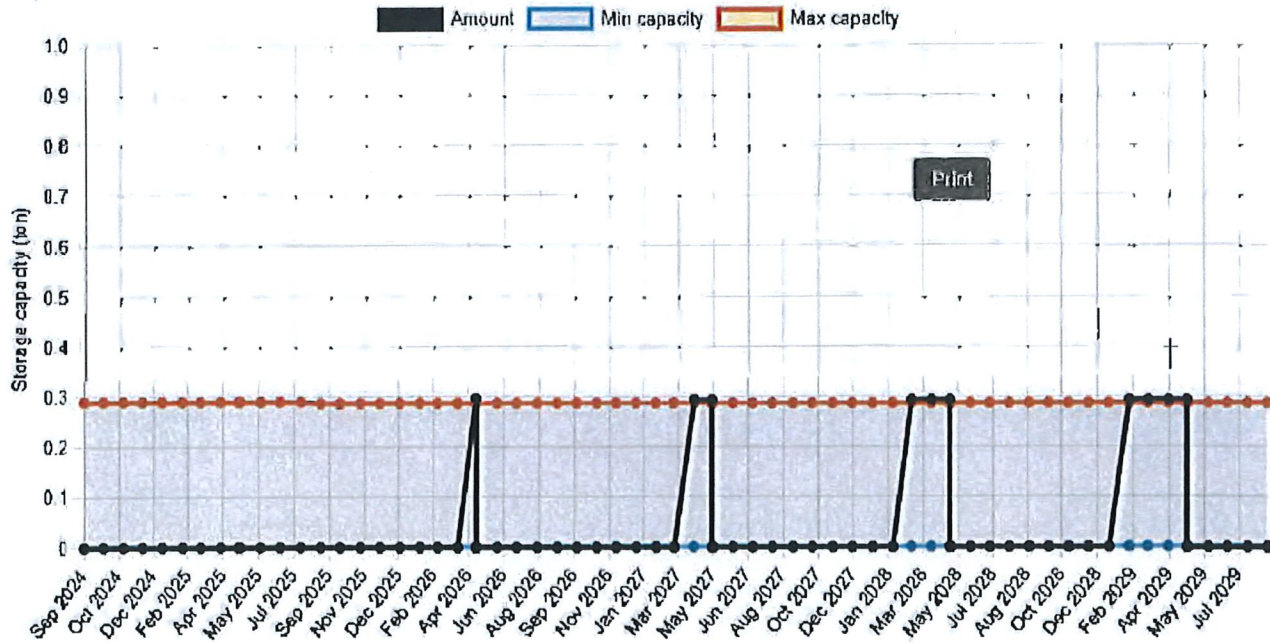
Nitrogen (Total Kjeldhal Nitrogen)
2.5907 %

Ammonia + Ammonium Nitrogen
4948 ppm

Phosphorus (P)
1.275 %

Potassium (K)
1.5184 %

Graph



Field summary - Home Farm, Garden

Tillable area 0.5 ac	Area for material 0.5 ac	Field contains or is adjacent to surface water No
Maximum slope 5%	Soil series Berriedale	Soil texture Fine Sandy Loam
Hydrologic soil group: A	Runoff potential: Very Low	Tile drainage system None
Tile drainage spacing 0 ft	Crop heat units 2526 chu	Annual precipitation 41.69 in

Soil test values

Sample date Nov 11, 2024	Phosphorus (Sodium Bicarbonate) 8.5 ppm	Potassium (Ammonium Acetate) 55 ppm	pH 5.7
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Field inputs

Print

	Agronomic (lb/ac)			Crop removal (lb/ac)		
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
Manure Application Application date: Apr 29, 2025 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38	30	43	38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2025 - Sep 1, 2025	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2024 - Aug 31, 2025	-62 \$	-15 \$	-57 \$	6	41	5
Manure Application Application date: Apr 29, 2026 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38	30	43	38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2026 - Sep 1, 2026	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2025 - Aug 31, 2026 (contains 5 lb/ac of nitrogen from previous material applications)	-56 \$	-15 \$	-57 \$	12	41	5
Manure Application Application date: Apr 29, 2027 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38	30	43	38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2027 - Sep 1, 2027	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2026 - Aug 31, 2027 (contains 8 lb/ac of nitrogen from previous material applications)	-53 \$	-15 \$	-57 \$	15	41	5

	Agronomic (lb/ac)			Crop removal (lb/ac)		
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
Manure Application Application date: Apr 29, 2028 Solid @ 1.3 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	38	30	43	38	61	43
(Other), (Other) @ 0.25 ton/ac May 1, 2028 - Sep 1, 2028	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2027 - Aug 31, 2028 (contains 9 lb/ac of nitrogen from previous material applications)	-52 \$	-15 \$	-57 \$	16	41	5
Manure Application Application date: Apr 29, 2029 Solid @ 1.2 ton/ac Incorporated 1 day Total amount applied: 1 ton Application P-Index: 0.2 BMP setback distance: N/A	36	28	39	36	56	39
(Other), (Other) @ 0.25 ton/ac May 1, 2029 - Sep 1, 2029	-100	-45	-100	-32	-20	-38
Nutrient balance Sep 1, 2028 - Aug 31, 2029 (contains 9 lb/ac of nitrogen from previous material applications)	-55 \$	-17 \$	-61 \$	13	36	2
Multi-year balance Sep 1, 2024 - Aug 31, 2029	-278	-75	-289	62	200	23

Print

Field summary - Home Farm, Pasture

Tillable area 0.55 ac	Area for material 0.55 ac	Field contains or is adjacent to surface water No
Maximum slope 2%	Soil series Berriedale	Soil texture Fine Sandy Loam
Hydrologic soil group: A	Runoff potential: Very Low	Tile drainage system Systematic
Tile drainage spacing 32.81 ft	Crop heat units 2526 chu	Annual precipitation 41.69 in

Soil test values

Sample date Nov 11, 2024	Phosphorus (Sodium Bicarbonate) 9 ppm	Potassium (Ammonium Acetate) 55 ppm	pH 5.7
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Field inputs

Print

	Agronomic (lb/ac)			Crop removal (lb/ac)		
	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
Multi-year balance NA (Not available)	0	0	0	0	0	0

Flag summary

-  Crop Yield (Garden)
Crop Yield: 0.3 ton/ac (Maximum: 0 ton/ac)
-  Other Crop (Garden)
Provide proof of production recommendations and crop removal values.
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Crop Yield: 0.3 ton/ac (Maximum: 0 ton/ac)
-  Other Crop (Garden)
Provide proof of production recommendations and crop removal values.

Appendix A (Nutrient Management Plan)

Field Sketches

Many of the field properties are required in the format of a sketch for each field in the farm unit. The sketch should address the following field components:

1. field identifier (from Farm Unit Declaration)
2. sections within the field, if the field has more than one section, including individual field locations and boundaries
3. identify the presence of tile drains

The following features should also be included on the sketch (or where the features do not exist, a statement indicating this must be included):

1. the location of all surface water,
2. the location of non-agricultural land uses,
3. the location of any municipal wells within 100 metres of the field boundary
4. if land applying biosolids, the location of all other known wells within 90 metres of the field boundary
5. if land applying only agricultural source material, the location of all other known wells within 30 metres of the field boundary,
6. the minimum depth to saturated soil conditions,
7. the maximum sustained slopes within 150 metres of the top of bank of all surface water
8. and any separation distances required due to the Phosphorus Index, and
9. show the separation distances for surface water required to meet the regulatory requirements.

Soil Test Results

Include soil test results for all fields identified in the plan. In accordance with section 91 of O.Reg 267/03 if this is the first NMP for the operation a soil test for available phosphorus, available potassium and soil pH may be provided or default values may be used.

If this is a subsequent NMP, soil test values for the available phosphorus, available potassium and soil pH must be provided. Each soil test should be taken in accordance with the Sampling and Analysis Protocol and should not cover more than 10 hectares (25 acres) unless there is evidence that the nutrient content of the field and the management of the field is uniform.

Material Test Results

Attach and clearly label the test results. If the test results vary from those provided in the NMAN printout, attach an explanation.

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OFFICIAL CERTIFICATE OF ANALYSIS : 4187873**WORK REQUEST : 100330449****Report Date : 2024-12-17**

██████████ Rd
Algonquin Highlands, Ontario
K0M 1S0
Attention : ██████████

Reception Date : 2024-12-03
Project : NA
Sampler : NA
PO Number : Credit Card
Temperature : 15 °C

Analysis	Quantity	External Method
Buffer pH (Soil, SMP, Manual Meter)	2	Modified from WESTERN REGION (S-2.50)
Organic Matter @ 350°C (Soil, Gravimetric)	2	Modified from WREP-125, 3rd Edition, S-9.20
pH (Soil, 1:1, Manual Meter)	2	Modified from WESTERN REGION (S-2.20)
Phosphorus (Soil, NaHCO ₃ Ext, Colorimetry)	2	Modified from 84-017, Analytical Methods, Ag Can
Potassium (Soil, NH ₄ OAc Ext, FAA)	2	Modified from WREP-125, S-5.10/EPA 7000B

Sample status upon receipt :

8248095 8248096

Compliant**Notes :**

- All analysis is completed at Eurofins Environment Testing Canada Inc (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <https://directory.cala.ca/>
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend :

RL : Reporting limit

QC : Reference material (QC)

N/A : Not applicable

1 : Results in annex

* : Analysis conducted by external subcontracting

^ : Analysis not accredited


OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Project : NA

Reception Date: 2024-12-03

		Eurofins Sample No :	8248095	8248096
		Matrix :	Soil	Soil
		Sampling Date :	2024-11-11	2024-11-11
		Client Sample Identification :	Sample #1	Sample #2
General Chemistry		RL	Unit	
Buffer pH	1	6.03	6.02	
pH (1:1)	1	5.93	5.49	
		Eurofins Sample No :	8248095	8248096
		Matrix :	Soil	Soil
		Sampling Date :	2024-11-11	2024-11-11
		Client Sample Identification :	Sample #1	Sample #2
Metals (Ammonium Acetate Extractable)		RL	Unit	
Potassium (NH ₄ OAc Ext)	10	ppm	69	41
		Eurofins Sample No :	8248095	8248096
		Matrix :	Soil	Soil
		Sampling Date :	2024-11-11	2024-11-11
		Client Sample Identification :	Sample #1	Sample #2
Organic Matter		RL	Unit	
Organic Matter @ 350°C [^]	0.1	%	5.3	5.9
		Eurofins Sample No :	8248095	8248096
		Matrix :	Soil	Soil
		Sampling Date :	2024-11-11	2024-11-11
		Client Sample Identification :	Sample #1	Sample #2
Phosphorus (NaHCO₃ Extractable)		RL	Unit	
Phosphorus (NaHCO ₃ Ext)	2	ppm	7	10

Approved by :


Patrick Jacques,
Ottawa, Environmental Chemist,

Environment Testing

146 Colonnade Rd. Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Project: NA

Reception Date: 2024-12-03

Parameter	Unit	RL	Blank	QC Recovery %	QC Range %	Matrix Spike Recovery %	Matrix Spike Range %	Duplicate RPD %	Duplicate Range %
Buffer pH (Soil, SMP, Manual Meter)									
<i>Method: Buffer pH, SMP (Soil, manual meter). Internal method:</i>									
Buffer pH		1	7.47	101	96-104			0	0-20
Associated Samples: 8248095, 8248096									
Prep Date: 2024-12-17 Analysis Date: 2024-12-17									
Organic Matter @ 350°C (Soil, Gravimetric)									
<i>Method: Organic Matter in Soil (Loss on Ignition). Internal method: AMOROMA2.</i>									
Organic Matter @ 350°C ^a	%	0.1	<0.1	104	92-108			2	0-20
Associated Samples: 8248095, 8248096									
Prep Date: 2024-12-05 Analysis Date: 2024-12-06									
pH (Soil, 1:1, Manual Meter)									
<i>Method: pH (Soil, 1:1 Water Extraction, Manual Meter). Internal method: AMPHCN2.</i>									
pH (1:1)		1	6.30	98	96-104			0	0-40
Associated Samples: 8248095, 8248096									
Prep Date: 2024-12-17 Analysis Date: 2024-12-17									
Phosphorus (Soil, NaHCO₃ Ext, Colorimetry)									
<i>Method: Phosphorus (Soil, NaHCO₃ Ext, Colorimetry). Internal method: AMPHOSA2.</i>									
Phosphorus (NaHCO ₃ Ext)	ppm	2	<2	95	81-119			-	0-30
Associated Samples: 8248095, 8248096									
Prep Date: 2024-12-13 Analysis Date: 2024-12-13									
Potassium (Soil, NH₄OAc Ext, FAA)									
<i>Method: NH₄OAc ext. metals (Soil, FAA). Internal method: AMAMFAE8.</i>									
Potassium (NH ₄ OAc Ext)	ppm	10	<10	87	80-120			1	0-50
Associated Samples: 8248095, 8248096									
Prep Date: 2024-12-06 Analysis Date: 2024-12-10									

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.



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106-619-11
13-674-9907

