Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
Anchorage, AK 99501
marijuana.licensing@alaska.gov
https://www.commerce.alaska.gov/web/amco
Phone: 907.269.0350

Alaska Marijuana Control Board

Operating Plan Supplemental
Form MJ-04: Marijuana Cultivation Facility

What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana cultivation facility license and must accompany the **Marijuana Establishment Operating Plan (Form MJ-01)**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 4** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of those regulations. If your business has a formal operating plan, you may include a copy of that operating plan with your application, but all fields of this form must still be completed per 3 AAC 306.020 and 3 AAC 306.420(2).

What additional information is required for cultivation facilities?

Applicants must identify how the proposed establishment will comply with applicable regulations regarding the following:

- Prohibitions
- Cultivation plan
- Odor control
- Testing procedure and protocols
- Security

This form must be submitted to AMCO's main office before any marijuana cultivation facility license application will be considered complete.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Musky Ox, LLC	**License Number:**	10135		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	MUSKY OX				
Premises Address:	741 Bennett Rd.				
City:	Fairbanks	**State:**	ALASKA	**ZIP:**	99712

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and be able to answer "Agree" to all items below.

The marijuana cultivation facility will not:	Agree	Disagree
Sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation	■	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on its licenses premises or within 20 feet of the exterior of any building or outdoor cultivation facility	■	☐
Treat or otherwise adulterate marijuna with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana	■	☐

Section 3 – Cultivation Plan

Review the requirements under 3 AAC 306.420, and identify how the proposed premises will meet the listed requirements.

Describe the size of the space(s) the marijuana cultivation facility intends to be under cultivation, including dimensions and overall square footage. Provide your calculations below:

The proposed facility will be approximately 2,600 square feet, with cultivation areas measuring approximately 1,500 square feet. The facility will have one front door for all regular ingress and egress from the building, and one emergency exit door. The facility will have an entrance and lobby reception area, one office and safe room, one veg room, two flower rooms, one mother and cloning room, one room for marijuana harvesting/drying and processing, one room for marijuana packaging and storage, one room for storage of all other facility products and materials, one vault, one room for disposal activity and waste storage, one restroom, and one break room.

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Describe the marijuana cultivation facility's growing medium(s) to be used:

Musky Ox will use an organic super soil nutrient solution as a growing medium with a combination of materials and substances, including [coconut shell fibers (coco), peat moss, sand, perlite, and vermiculite, combined with or without plant nutrients]. The facility will be outfitted with a hand watered irrigation system designed in conjunction with the nutrient management system to maximize production yield.

Describe the marijuana cultivation facility's fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used:

The facility will use the following Roots Organic plant nutrients products as fertilizer added to the growing medium: [(1) Nitrogen; (2) Phosphorus; (3) Potassium; (4) Sulfur; (5) Calcium; (6) Magnesium; (7) Iron; (8) Manganese; (9) Boron; (10) Copper; (11) Zinc; (12) Molybdenum; (13) Chlorine; (14) Nickel; and (15) Silicon]. The facility will use some amount of the following non-fertilizer plant elements as gases absorbed through the plant roots or plant leaves: (1) Hydrogen; (2) Oxygen; and (3) Carbon.

Describe the marijuana cultivation facility's irrigation and waste water systems to be used:

The facility will use hand watering techniques for plants growing in individual containers. There will be little to no water run-off from these watering systems. The facility will also use a closed system automated watering system to recirculate the water and nutrient solution. Waste water will be recycled.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Musky Ox has a disposal plan for all marijuana that does not meet state testing requirements or the company's internal quality standards due to disease, infestation, mishandling, or improper practices. All marijuana marked for disposal will be stored in a secured bin, separated from all other products, until it can be disposed of. There will be minimal waste, all cuttings and trimmings will be composted. Marijuana waste must be rendered unusable before disposal to ensure that marijuana and marijuana products are safely kept away from the public. The company will ensure
that all marijuana is rendered unusable prior to leaving the facility by grinding and incorporating the marijuana waste with either non-compostable or compostable solid wastes so that the resulting mixture is at least fifty percent (50%) non-marijuana waste. Non-compostable solid wastes include paper waste, plastic waste, cardboard waste, and soil. Compostable solid wastes include food waste, yard waste, and vegetable-based grease or oils. Management will ensure that the resulting mixture is composed of no more than fifty percent (50%) marijuana by volume, and will log the composition of the mixture in the disposal log, which will be made available to the MC Board upon request. Management will maintain the log on the status of all marijuana waste, tracking the type, date of disposal, date it was rendered unusable, and date that it was picked up by the disposal company. The company will be disposing of: (1) waste from marijuana flowers, trim, and solid plant materials; (2) marijuana that is identified as infected or fails to meet quality testing; (3) marijuana plant waste; (4) run off water from the plants during cultivation; and (5) medium used for cultivation and root matter. Marijuana waste will be rendered unusable a minimum of once per day, before the facility closes. Once rendered unusable, marijuana will be securely stored in locked containers located on the premise. All locks will comply with the highest UL standards, and the disposed marijuana will not be stored outside the facility at any time. Twice a week, a waste truck will collect the waste and dispose of it. Only authorized personnel will have access to the keys that lock and unlock the disposal containers. To ensure accurate tracking and that no diversion occurs, the daily manager will meet with the waste truck driver and collect a signature and name, the date, time, and the type of marijuana waste being collected. This information will be entered into a disposal log by the manager, which will be securely stored and made available to the MCB upon request.

Section 4 – Odor Control

Review the requirements under 3 AAC 306.430, and identify how the proposed premises will meet the listed requirement.

Describe the odor control method(s) to be used and how the marijuana cultivation facility will ensure that any marijuana at the facility does not emit an odor that is detectable by the public from outside the facility:

There are no other facilities, buildings, or structures in an odor radios of our facility. In the event that odor control becomes necessary, these are the steps we would take. The company has developed the plans to renovate the present-day buildings on the premises to minimize odor through the strategic use of climate control, air filtration, ventilation, and exhaust. In each growing and production room there will be several large carbon filters placed on recirculating commercial fans filtering the air for particulates and odor. The ambient air outside of the grow rooms and circulating through the building will have a closed system air conditioner filtering for particulates and odor while maintaining the building's air temperatures. The air filtration and circulation systems will be essential to controlling heat buildup and eliminating exhaust odors. The air circulation in the facility will be designed in conjunction with the grow lights to counteract heat emission from the lighting system. Exhaust fans and intake manifolds will be mounted to eliminate heat and excess oxygen.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the item below.

I understand and agree that:	Agree	Disagree
The board will or the director shall from time to time require the marijuana cultivation facility to provide samples of the growing medium, soil amendments, fertilizers, crop production aids, pesticides, or water for random compliance checks	■	☐

Describe the testing procedure and protocols the marijuana cultivation facility will follow:

Musky Ox understands and will comply with all testing regulations to ensure the marijuana propagated at the facility exceeds the testing requirements for the state. The facility will track each plant's life cycle through Metrc with an assigned record number. All flower bud harvested from the numbered plants will be processed into batches of five (5) pounds. The company will package a sample of each batch produced to a licensed testing facility, and will not sell or transport any marijuana from that batch until the testing has been completed. An agent from the QCU will collect a testing sample by segregating harvested marijuana into homogeneous batches of bud and flower, and selecting a random sample from each batch. The individual responsible for collection will prepare a signed statement attesting that each sample was randomly selected, provide a signed statement to the testing facility, and maintain a copy as a business record. The facility will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. While awaiting the testing reports, the remainder of the batch will be segregated in secure, cool, and dry storage to protect from contamination. The facility will maintain all testing results as part of its business books and records, and enter the results in Metrc. Musky Ox will fully comply with any request from the MCB for a random sample from any growing medium, soil amendment, fertilizer, crop production aid, pesticide, or water, and shall bear the expense for all such requests.

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Section 6 – Security

Review the requirements under 3 AAC 306.430 and 3 AAC 306.470 – 3 AAC 306.475, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the two items below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the packaging of marijuana requirements under 3 AAC 306.470	■	☐
Read and understands and agrees to the labeling of marijuana requirements under 3 AAC 306.475	■	☐

Restricted Access Area (3 AAC 306.430):

	Yes	No
Will the marijuana cultivation facility include outdoor production?	☐	■

If "Yes", describe the outdoor structure(s) or the expanse of open or clear ground fully enclosed by a physical barrier:

[N/A]

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Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility:

No signs or advertisements will be placed on the building or its surrounding property which would indicate to the public that marijuana is being grown within the facility. Musky Ox will only display signs indicating the physical address of the building and "No Trespassing". The facility will cover and/or board over all existing windows, and will have a perimeter fence to further obstruct the public view of the facility from the street or adjacent properties. All movement, transport, or otherwise ingress or egress of marijuana products will be discrete, utilizing the designated loading platform. All vehicles owned and used by company agents will be discrete and unmarked, giving no indication that they are traveling to and from a cultivation facility. When being transported, all marijuana products will be securely packaged, labeled, and organized in a discrete manner within the facility before being moved out of the building to be loaded on the transport vehicle. No individuals will be permitted on the premises without checking in with and being escorted by an authorized employee.

I certify that as a marijuana cultivation facility, I will submit monthly reports to the Department of Revenue and pay the excise tax required under AS 43.61.010 and 43.61.020 on all marijuana sold or provided as a sample to a marijuana establishment, as required under 3 AAC 306.480.

I declare under penalty of perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Signature of licensee

Jonathan Mansker
Printed name

Subscribed and sworn to before me this 16 day of August, 20 16.

MATTHEW ALLEN NOTARY PUBLIC MY COMMISSION EXPIRES MAY 20, 2019 STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: May, 20, 2019