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:	North Star Gardens, Inc.	**License Number:**	15245		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	NORTH STAR GARDENS				
Premises Address:	5310 Commercial Blvd, 2A				
City:	Juneau	**State:**	ALASKA	**ZIP:**	99801

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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 cultivation facility is 46' x 20' for a total of 920 square feet.

There will be a total of four rooms in North Star Gardens under cultivation.

Room #1 - Flower is 10' x 16' for a total of 160 square feet.

Room #2 - Flower is 10' x 16' for a total of 160 square feet.

Room #3 - Veg is 6' x 8' for a total of 48 square feet.

Room #6 - Clone is 8' x 5' for a total of 40 square feet.

The total area under cultivation is 408 square feet.

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

Growing mediums: water

North Star Gardens growing method will be entirely hydroponic, consisting of a deep water culture recirculating system of water and nutrients.

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

Fertilizers: nitrogen, phosphorus, potassium, calcium, sulfur, magnesium, silicon, boron, chlorine, manganese, iron, zinc, copper, molybdenum, nickel, selenium, sodium, molasses, citric acid, ascorbic acid, maltodextrin, salt, plant-based extracts, guano, composted manure, blood meal, worm castings, mycorrhizae, compost tea, compost, kelp meal, plant growth regulator (rooting hormone), auxin (IBA), and honey - to be delivered via the hydroponic method described above.
In the unlikely event there is a need for pest management, only plant-based extracts and plant-based pesticides including Neem oil, Citronella oil, dish soap, other natural extracts, pyrethrin.
For general maintenance and upkeep cleaning necessary to ensure a clean environment, the following cleaning supplies will be used: alcohol, plant-based cleanser (such as Simple Green), dilute Acetic Acid, Hydrogen Peroxide, and dilute Sodium Hypochlorite.
Gases: Our facility will use carbon dioxide to enrich the growing environment. The emission of CO2 gas will be electronically monitored to control ppm throughout the garden to keep it within ideal and safe levels. Our CO2 use will be in compliance with all applicable regulations. There will be readily accessible material safety data sheets on site with hazards details for all products employees are likely to encounter.

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

Because of the exclusive hydroponic approach, watering plants will be synonymous with growing as water is essentially the growing medium. The plants will be in water for the majority of their life. This method is best described as automated delivery.

During cloning and in juvenile stage, plants will be hand watered.

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Describe the marijuana cultivation facility's waste disposal arrangements:

North Star Gardens anticipates the following waste at the cultivation facility: (1) marijuana that is identified as contaminated, infected or is otherwise rejected for quality (2) waste from marijuana flowers and plant material and trimmings; (3) run off water from cultivation and processing; (4) any other materials or containers in contact with marijuana products that risk contamination; and (5) any other waste as determined by the Marijuana Control Board, Director or a licensee. Marijuana waste will be stored away from all other products in a locked container in Room #5 as shown on the premises diagram, and will be rendered unusable prior to leaving the facility for disposal. A notice will be sent to AMCO enforcement via email not later than three days prior to rendering waste unusable. Marijuana waste will be rendered unusable by grinding the materials and mixing with other compostable and non-compostable material until the resulting mixture is no more than fifty percent (50%) marijuana waste. The final waste mixture will be picked up by the city waste facility and delivered to the city landfill. A log recording the final destination of all marijuana waste will be maintained as a business record and will be 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:

Exhaust air from cultivation operations will be filtered through charcoal prior to exiting the facility. Charcoal filters will be replaced regularly to ensure optimum performance.

Should additional odor control be required, an ozone generator may be introduced in the exhaust.

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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:

All harvested marijuana will be processed into batches of five (5) pounds. A designated North Star Gardens employee will collect a testing sample at random from each batch. Said employee 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. The facility will ensure that any individual transporting marijuana has a valid marijuana handler permit issued by AMCO. While awaiting the testing results, the remainder of the batch will be segregated in the secured quarantine area located in Room #5 as seen on the premises diagram. The facility will maintain all testing results as part of its official business records, and will enter the results in METRC. North Star Gardens will comply with any request from AMCO 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:

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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:

All growing, processing, curing, packaging and labeling activities will occur inside the facility - not visible from outside. When marijuana is transported from North Star Gardens to another licensed facility, it will be done discreetly and always in opaque packaging. Vehicles used to transport marijuana will have no logos or anything indicating that marijuana is on board. Furthermore, there are no windows in the facility and the only entrance leads into an arctic entry, ensuring no marijuana can be viewed from the public.

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

Jamie Lettenmeier
Printed name

CHRISTINA THIBODEAUX
Notary Public
State of Alaska
My Commission Expires Mar 31, 2021

Subscribed and sworn to before me this 15th day of December, 2017.

Christina Thibodeaux
Notary Public in and for the State of Alaska.

My commission expires: March 31, 2021

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(Additional Space as Needed):

Business Name: North Star Gardens
License Number: 15245
Batch/Lot Number:
Gross Weight: Net MJ Weight:
Packaging Date: Best By Date:
Strain:
Tested By: License Number:
Total THC: THCA: CBD: CBDA: CBN:
Microbial Test:
Fungicides: Herbicides: Fertilizers:
Soil Amendments:
Alaska Safety Warning: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

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