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 Fire, LLC	**License Number:**	13479		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	North Star Fire				
Premises Address:	3780 Leasure Street, Suite 3				
City:	Fairbanks	**State:**	ALASKA	**ZIP:**	99701

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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:

North Star Fire's cultivation facility will be built out in phases. Kirsten is initially requesting approval of phase I, which will take place in the small 30' x 36' = 1080 sq ft metal building shown on the site plan included with the MJ-02 and referred to as building A. Phase II will include cultivation in the larger building and will be submitted for approval via MJ-14/MJ-15 in the future.

Phase I cultivation in building "A" will occur in two areas, the flower room and the mother/veg/clone area.

The flower room is 14' x 35.92' = 502.88 sq ft
The mother/veg/clone area is approximately 14' x 16' = 224 sq ft

The total square feet under cultivation for phase I is approximately 726.88 square feet.

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

Coco coir such as "Worm Factory COIR250G10 Coconut Coir Growing Medium" or equivalent, will be utilized as the primary growing medium as well as organic soil. Additionally, Medium-less processes in airoponic cloning will be used during the cloning phase.

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

Fertilizers: BIOCANNA nutrient line which is a 100% organic nutrient developed specifically for cultivation in soil, General Hydroponics nutrient line including Flora Bloom, Flora Micro, Flora Frow, Clonex, and Liquid Cool Bloom or an equivalent nutrients system

Delivery system: nutrients will be delivered to plants via the top drip hydroponic system

Chemicals: simple green will be used for general cleaning

Gases: Ambient CO2 will be utilized via mass-air ventilation

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

Irrigation will be achieved via an advanced Top-Drip Hydroponic system. In this system, nutrient solutions are mixed with water at predetermined ratios, depending on plant cycle, in central reservoirs located away from the plants. The plants root system is suspended in coco coir and is fed the nutrient solution via a top-mounted nozzle and feed assembly. System Components include Emitters, Spaghetti Tubing, PVC Tubing, Water Pump, chillers, dosers, meters, air pumps, net pots and trays.
Waste water will be captured and either re-circulated through the system or poured down the facility's sewer drain.

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Describe the marijuana cultivation facility's waste disposal arrangements:

North Star Fire's cultivation facility will be disposing of: (1) marijuana that is identified as contaminated, infected or is otherwise rejected for quality or fails to meet quality testing; (2) waste from marijuana flowers and plant material and trimmings; (3) run off water from cultivation and processing; and (4) any other materials or containers in contact with marijuana products that risk contamination. Marijuana waste will be stored away from all other products in a locked container inside the facility, and will be rendered unusable prior to leaving the facility for disposal. A notice will be sent to AMCO enforcement 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 facility will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, date it was rendered unusable, date that it was picked up by the disposal company and the final destination of the waste. This information will be recorded in the disposal log and securely stored as a business record, available to an agent of the MCB upon request, including AMCO Enforcement and the AMCO Director. The final mixture will be securely stored in locked containers located inside the premises with locks in compliance with the highest UL standards. A waste truck will collect the waste mixture and dispose of it at the local waste facility station. Alternatively, North Star Fire will compost the marijuana waste after it has been rendered unusable and the proper notification has been sent to AMCO Enforcement. Only authorized personnel will have access to the keys that unlock the disposal containers.

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:

Commercial grade activated carbon filters will be used throughout the cultivation areas to filter all air before being vented outside. The carbon filters will be regularly replaced to ensure maximum performance at all times.

Additional odor control methods will be utilized if needed.

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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 Fire employee will collect a testing sample at random 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. 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. The facility will maintain all testing results as part of its official business records, and will enter the results in METRC. North Star Fire 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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(Additional Space as Needed):

Business Name: North Star Fire
License Number: 13479
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:

NORTH STAR FIRE
LIGHT IT UP

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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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:

There will be no windows in North Star Fire's cultivation facility and all cultivation, processing, curing, packaging and labeling tasks will be performed inside the facility. Furthermore, the entire property where the facility is situation is enclosed by a fence. Kirsten will ensure that cultivation areas and storage areas are not visible by the public from any entrance to the facility. Any marijuana that is transported to another licensed facility will be packaged in opaque packaging and moved to the transport vehicle in a discreet manner and within the fenced in property. Any vehicles used by the facility to transport marijuana will be unmarked to give no indication that marijuana is being transported.

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

Kirsten Hagen

Printed name

Subscribed and sworn to before me this 22nd day of November, 2017.

Notary Public in and for the State of Alaska.

Official Seal
STATE OF ALASKA
Notary Public
Rockell Belanger
Commission Expires 02/04/19

My commission expires: 02-04-2018

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