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:** | BAM Alaska, LLC | **License Number:** | 10303 | | |
| **License Type:** | Standard Marijuana Cultivation Facility | | | | |
| **Doing Business As:** | BAM ALASKA | | | | |
| **Premises Address:** | 3105 Minnesota Dr. | | | | |
| **City:** | Anchorage | **State:** | ALASKA | **ZIP:** | 99503 |

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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 1,170 square feet, on a 7,500 square-foot property foot print lot. The facility will have one front door for all regular ingress and egress from the building, one (1) emergency exit door, one door for all delivery and pick-up activity, and adequate parking under Anchorage Municipal Title 21 Land Use Code. Inside the front entrance door, there will be a designated employee monitoring the entrance area to greet persons dropping off deliveries. There will be one office which will house any safes and/or storage of inventory, locked cabinet for security equipment, records, and other items that need to be secured. The Cultivation shall have one (1) veg room (which will also house the clones and mothers), three (3) flower rooms, one (1) room for marijuana harvesting/drying and processing and also used for marijuana packaging and storage and waste disposal grinding/mixing area, one (1) restroom, and break area. Multiple cabinets that are lockable shall be utilized to store marijuana (while curing and/or after being packaged for sale or shipment), marijuana product, cash, security equipment and other sensitive items.

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

BAM Alaska will use several mediums to grow the marijuana plants. The facility will use hydroponics with rock-wool with a water-only nutrient solution in which the roots of the plant will not be suspended. For the strains that will be grown hydrologically, the grow tables will be outfitted with an automatic irrigation system designed with the nutrient management system to maximize production. The facility may also use additional supplemental organic growing mediums with a combination of materials and substances,including coconut shell fibers (coco), peat moss, soil, sand, perlite, Pro-Mix, and vermiculite, combined with or without plant nutrients. The facility might also use, from time to time, azadirachtin, essential oilis, botanigard, spoinsad,and diatomaceous earth neem oil.

**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 plant nutrients as fertilizer added to the hydroponic water solution (for the hydroplonically grown plants) or 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. The facility will use carbon dioxide (CO2) as a gas distributed in the growing rooms by pressurized cylinders of carbon dioxide. The gas is used to supply the plant roots and plant leaves with oxygen and carbon. The parts per million (ppm) of carbon dioxide gas distributed to each growing room will be constantly electronically monitored and set to turn on and off when the ppm concentration of CO2 gas falls below or rises above a set concentrate. The facility will use hydrogen peroxide and chlorine bleach as cleaning agents.

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

The facility will use an automatic drip watering and irrigation system for plants in the growing in hydroplonic systems and possibly hand watering for the mothers, clones, and soil grown plants. There will be little to no water run-off, and the facility will collect runoff water in trays and reuse the water. After recirculation occurs, any remaining waste water will be introduced to the city sewer system and shall have traces of minerals remaining in the water.

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**Describe the marijuana cultivation facility's waste disposal arrangements:**

All marijuana that does not meet testing requirements or the company's quality standards for whatever reason will be disposed of in accordance with the company's disposal plan. All marijuana waste will be stored in a secured bin separate from all other products and waste materials. Marijuana waste will be rendered unusable before departing the facility by grinding and/or mixing and incorporating the marijuana waste with either non-compostable or compostable solid waste so that the resulting mixture is at least fifty percent (50%) non-marijuana waste. Non-compostable solid wastes will include paper, plastic, cardboard, rockwool, and soil. Compostable solid waste will include food, yard material, and vegetable-based grease or oils. Management will log the final composition of the mixture in a disposal log, available to the MCB upon request, and will ensure that the mixture is no more than fifty percent (50%) marijuana by volume before releasing it for disposal. The log will include the type of waste, date of disposal, date it was rendered unusable, and date that it was picked up by the disposal company. This process will occur a minimum of once per day, if necessary, prior to closing, and the mixture will be stored in locked containers inside the facility. All locks will comply with UL standards. This process will occur prior to waste leaving the facility. Management will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, date it was rendered unusable, and date that it was transported to the Anchorage Solid Waste Service - Transfer Station by either a waste disposal company and/or Ownership or designated Manager of BAM Alaska. The final mixture will be securely stored in locked containers located inside the premises with locks in compliance with UL standards. A waste truck, or ownership, will collect the waste mixture and dispose of it. Only authorized personnel will have access to the keys that unlock the disposal containers. The on-site manager will facilitate and ensure a trip manifest is completed prior to a authorized employee transporting the marijuana waste to the Anchorage Solid Waste Services - Transfer Station. The onsite manager will collect a signature and name, the date, time, and the type of marijuana waste being collected. At least once a week disposal shall occur. This information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request. Waste will not leave the facility and be disposed of without three (3) day prior notice to AMCO.

## 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:**

BAM Alaska will modify the current facility to minimize odor through climate control, air filtration, ventilation, and exhaust. All plants will be grown in individual growing rooms that share common air, within which there will be several carbon filters and commercial fans filtering the air for particulates and odor. The air filtration and circulation systems will control the heat buildup and eliminate exhaust odor, and will be designed in conjunction with the lighting system to counteract the heat emission. Exhaust fans will be distributed to eliminate heat and excess oxygen. There will also be two (2) carbon filters and ozone generators that will be turned on when or 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:**

The company will comply with all testing regulations to ensure that the products cultivated in the facility exceed the testing requirements for the state. Metrc will be used to track each plant's life cycle with an assigned record number. All marijuana harvested will be processed into batches of five (5) pounds or less, and the company will package a random sample from each batch to be transported to a licensed testing facility to be tested. An agent from the QCU (Quality Control Unit) will collect the sample from each homogeneous batch, and prepare a signed statement attesting that each sample was randomly selected for the testing facility. The company will send a copy of the attestation with the sample, and retain a copy internally as a business record. The facility will transport all samples to the testing facility in compliance with the state regulations and the company's transportation policies, and quarantine the remainder of the batch in a locked cabinet in the dry/cure room (which only authorized management and ownership shall have the combination or key to), while awaiting results. The facility will not sell or transport marijuana from any batch until the testing report has been completed and received. The facility will maintain all testing reports as part of its business records, and enter the results in Metrc. Further, BAM Alaska will fully comply with all requests from AMCO, including samples of growing medium, soil amendment, fertilizer, crop production aid, pesticide, or water, and shall bear the full expense for complying with 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:**

The company will cover all windows and ensure no marijuana or marijuana product is visible to the public, street, or adjacent properties. Reinforced (plywood enforced) security walls will separate all public areas from the cultivation, processing, storage, and other restricted access areas inside the facility, and no individuals will be permitted on the premises without checking in with and being escorted by an employee. All movement of marijuana products in and out of the facility will be discrete, in locked containers, utilizing the designated door. All marijuana products will be securely packaged, labeled, and organized for transport in a discrete manner within the facility before being moved out of the building and loaded into the transport vehicle. Vehicles on the property will be discrete and unmarked, giving no indication that they are traveling to and from a cultivation facility.

**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

Michael S Dillard
Printed name

Subscribed and sworn to before me this 21 day of June, 2016.

STATE OF ALASKA
NOTARY PUBLIC
Karen L. Cassel
My Commission Expires: December 15, 2018

Notary Public in and for the State of Alaska.

My commission expires: 12/15/2018

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**(Additional Space as Needed):**