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

Cover Sheet for Marijuana Establishment Applications

What is this form?

This cover sheet **must** be completed and submitted any time a document, payment, or other marijuana establishment application item is emailed, mailed, or hand-delivered to AMCO's main office.

Items that are submitted without this page will be returned in the manner in which they were received.

Section 1 – Establishment Information

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

Licensee:	Alaskan Blooms, LLC	**License Number:**		10073	
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	ALASKAN BLOOMS, LLC				
Physical Address:	2448 Arvilla St.				
City:	Fairbanks	**State:**	AK	**Zip Code:**	99709
Designated Owner:	Gene Bloom				
Email Address:	alaskanblooms@gmail.com				

Section 2 – Attached Items

List all documents, payments, and other items that are being submitted along with this page.

Attached Items:	

OFFICE USE ONLY					
Received Date:		Payment Submitted Y/N:		Transaction #:	

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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:	Alaskan Blooms, LLC	**License Number:**	10073		
License Type:	Standard Cultivation				
Doing Business As:	Alaskan Blooms, LLC				
Premises Address:	2448 Arvilla St.				
City:	Fairbanks	**State:**	ALASKA	**ZIP:**	99709

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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:

Mother Room: 400 sq.ft. 25-50 plants
Veg Room= 1000 sq. ft. with 2550 plants in various stages of veg. (700 clone, 700 in 4" re-pot, 600 in 6" re-pot, 550 in last re-pot before bloom begins).
Bloom Rooms are 530 sq. ft x 3 = 1591 sq ft.
Total cultivation area is approximately 3000 sq ft.

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

Alaskan Blooms will be using soil as our grow medium and method. We use all non-toxic, organic soil and soil amenities including plant food, mold/mildew control, and pesticide control. The soil is a superior coconut-based planting mix. With Vital Earth's® Coconut Pith, the holding capacity of the extra-long strands of burgundy extra-low saline content coconut coir, creates a viable water-to-air ratio. We use these products from seedling to harvest. The AlgaeMix is a 100% organic algae-extract composed of the brown deep sea-algae. This bio-organic fertilizer is also be used as foliar feed. AlgaeMix stimulates an optimal root development, heals and prevents mineral deficiencies and effectively controls and protects from diseases. The product also regulates the absorption of other nutrients.

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

We use all non-toxic, organic soil and soil amenities including plant food, mold/mildew control, and pesticide control. The brand is Bio Nova will use Bio Nova exclusively for nutrients and SNS 209 Systemic Insect Control for pest control. The products are not pesticides in the chemical sense, but rather an organic alternative that uses of herbs such as rosemary and lavender (Safety Data Report available on request of AMCO). The facility will utilize CO2 to increase production. Alaskan Blooms will enrich all plant rooms with CO2, maintaining levels between 1500-2000 parts per million, with audible and visual alarming systems that will trigger should CO2 concentrations elevated to dangerous levels.

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

All plants will be watered by hand to ensure each plant receives no more, or no less, water than needed on a daily basis. Based on previous implementations of this cultivation methodology, Alaskan Blooms expects to use roughly 375 gallons of water a day in watering all plants. Water will be filtered through a double filtration system from Urban Ag. Along with filtering source water for plant feeding, this filtration setup will be used to filter waste runoff water occurring from feeding. Water will be stored in a 2500 gallon tank, and filtered prior to being delivered to the cannabis plants. Delivery to the plants will be done by hand to ensure consistency and increase efficiency. The water used on the cannabis plants will be mostly absorbed by the plant itself, any runoff water will be captured in trays upon which the plants will sit in during the entire cultivation process. All runoff water will be captured by the trays and none of the runoff water will reach the floor, which will negate any possibility of runoff non-domestic water entering into the domestic wastewater drain infrastructure. Instead, the runoff water from the cannabis plants will be captured by the trays and then transferred completely back into the tank and be filtered and then 100% recycled by means of the water being pumped back into the water filtration system which will essentially circulates the wastewater from the plant trays, back to a 2500 gal tank that is kept inside the facility and used only for the controlled use of watering the cannabis plants, recapturing runoff water, and reusing 100% of the same for the same limited and controlled purpose. The water is purified and then sent back to the watering tanks and filled again as needed. All water is contained, filtered, purified, and recycled inside of the tanks/filtration system.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Disposing of marijuana in a safe, secure, and environmentally responsible manner is a top priority. To ensure that marijuana products are safely kept away from the public, cultivation facilities must render the products unusable before disposal.
The Disposal Plan is safe, secure, and complies with all federal, state, and local laws, regulations, and codes. It is a model that has been thoroughly tested and implemented in other jurisdictions, serving the needs of cultivation facilities, governing bodies, and most importantly, marijuana consumers.
Building on the successful disposal methods and techniques of cultivation facilities in Colorado and Washington, Alaskan Blooms will ensure that all marijuana is rendered unusable prior to leaving the Cultivation Facility. Once flagged for disposal, all marijuana and marijuana products will be secured and destroyed by grinding the material and incorporating the remains with compostable or non-compostable solid wastes until the resulting mixture is, at a minimum, fifty percent (50%) non-marijuana waste.
1. Non-Compostable Solid Wastes.
Alaskan Blooms will use the following non-compostable solid waste for safe disposal of marijuana waste:
a. Paper waste;
b. Plastic waste;
c. Cardboard waste; and/or
d. Soil.

Disposal Records in the Inventory Control System.
All marijuana rendered unusable and disposed of will be tracked using the Metrc system, Upon identifying any plant, batch of plants, or any quantity of marijuana for disposal, the plant(s) or item will immediately be marked in the Metrc system for disposal. Upon rendering the plant(s) or item unusable, the following information will be recorded in the Metrc system:
1. A description of and reason for the marijuana being disposed of, including, if applicable, the number of failed or other unusable marijuana plants and the weight of the plant(s) or item(s);
2. The date of disposal;
3. Confirmation that the marijuana was rendered unusable before disposal;
4. The method of disposal; and
5. The name and permit number of the agent responsible for disposal.
Continued on additional page at pg. 8.

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:

The Bloom family owns the surrounding four acres (including the entire Site) – it is unlikely that any order, noise or light would cause any neighbors issues. The flower and processing rooms are well insulated and sealed and it is unlikely any odor will seep out of the facility. However, in the event that odor becomes an issue and does leak out of the facility, Alaskan Blooms will, if necessary, install activated carbon filter exhaust fans on each floor and discharging the air through the roof ventilation.

The flower and processing rooms are well insulated and sealed and it is unlikely any odor will seep out of the facility. We use Opticlimate 15000pro3S Single Phase Air Filtration Systems that allow no odor to be emitted outside.

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Operating Plan Supplemental
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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:

Alaskan Blooms will comply with all testing and sampling required under the Alaska Administrative Code and the regulations adopted by AMCO. All harvested batches of marijuana intended for sale to licensed marijuana establishments will be tested by a licensed testing facility before the products are packaged and labeled for transport. The importance of this is to not only determine the potency of various cannabinoids of the marijuana, but to ensure that no molds, fungi, pesticides, or any other contaminates are found that may be harmful to consumers. The following are the policies and procedures for providing marijuana samples to a testing facility for processing.
Batch Testing - Immediately before packaging, a random sample from each batch of marijuana cultivated at the Cultivation Facility will be selected for testing. The remainder of the batch will be packaged for storage and stored in a secure, cool, and dry place in the quarantine area where it will remain until the testing facility returns the results of the testing to the Cultivation Facility.
Selecting a Sample of Marijuana for Testing - The Cultivation Facility will work with the testing facility to establish and document a written method for selecting samples. All members of the Quality Control Unit "QCU" will be trained in how to take a random sample from each batch of marijuana products created at the Cultivation Facility. All members of the QCU will file an attestation with AMCO that they will be collecting random samples for testing on behalf of the Cultivation Facility. Sample size of usable marijuana for required testing will be no larger than twelve (12) grams. Samples will be tested for: cannabinoids, terpinoids, microbial contaminants, mycotoxins, metals, and pesticide chemical residue, residual solvents levels, and an active ingredient analysis. The QCU agent will select a sample and will then take the sample to a weighing device to ensure that the sample size is less than the maximum gram amount. All weighing devices used in the Cultivation Facility will be certified in compliance with AS 45.75.080, the Alaska Weights and Measures Act. The QCU will be responsible for maintaining weighing devices. After weighing the sample the QCU agent will package it to ensure that no contaminants can reach the sample on the way to the testing facility. After being packaged, the sample will be labeled.
Finally, the agent selecting the sample will prepare a signed statement showing that each sample has been randomly selected for testing and provide the signed statement to the marijuana testing facility.
Labeling the Sample to be sent for Testing - Whether the marijuana sample is delivered to or picked up by a testing facility, each sample will be labeled with the name of the Cultivation Facility, the Cultivation Facility's license number, batch number, weight, and name of the marijuana product.

Remainder of response to this question attached to on supplementary information document.

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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:

The facility will be outfitted with reinforced security walls to separate all public areas of the premises from all cultivation areas, marijuana processing and storage areas, and restricted access areas. No individuals will be permitted on the premises without checking in with and being escorted by an authorized employee. No marijuana, marijuana product, or marijuana plants will be visible from any window or door that opens to the general public. All movement, transport, or otherwise ingress or egress of marijuana products will be discrete, utilizing the designated loading platform. All marijuana products will be securely packaged, labeled, and organized for transport within the facility before being moved out of the buildings.

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

Vine Bloom
Printed name

Subscribed and sworn to before me this 23rd day of May, 2016.

SUSAN R LAVANWAY
Notary Public, State of Alaska
Commission # 1305104
My Commission Expires
May 16, 2017

Notary Public in and for the State of Alaska.

My commission expires: May 16, 2017

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Operating Plan Supplemental

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(Additional Space as Needed):

Continued from page 3: Waste Arrangements :
(2)Compostable Solid Wastes.
Alaskan Blooms will use the following compostable solid waste for safe disposal of marijuana waste:
a. Food waste; b. Yard waste; and/orc. Vegetable-based grease or oils.
C. Security, Inspection, and Tracking of Marijuana Waste.
Ownership and Management will give at least three (3) days notice to the MC Board before disposing of any marijuana waste by logging the affected products in the marijuana inventory tracking system, Metrc.
Prior to being removed from the Cultivation Facility, all marijuana waste will be inspected and the composition of the final disposal mixture will be recorded. Management will ensure that the final disposal mixture is composed of no more than fifty percent (50%) marijuana waste by volume.
This grinding method will be used a minimum of once per day, before the Cultivation Facility closes. Once rendered unusable, marijuana will be securely stored in locked dumpsters located in a locked room inside the Cultivation Facility, and all locks will comply with the highest standards of the UL standards. Only authorized personnel will have access to the room where the dumpsters are kept. The disposed marijuana will not be stored outside the Cultivation Facility at any time.
Management will make arrangements with the waste collection company if ever the dumpsters are full prior to pick-up. To ensure tracking and prevent against 'diversion' activity, Management will be present at the time of waste collection, will collect the name and signature of the waste truck driver, and will record the date, time, and the type of marijuana waste being collected.
Management will maintain a log on the status of all marijuana waste, tracking the type of waste, the date of disposal, the date it was rendered unusable, composition of the disposal mixture, the date that it was picked up by a waste collection company, and the final destination of the waste material. Records of all disposal information and waste collection will be maintained by Management, securely stored at the Cultivation Facility, and made available to the MC Board upon request.
D. Compliance with Disposal Regulations.
Alaskan Blooms will comply with all of the federal, state, and borough laws, regulations, and codes, as set forth and amended from time to time, with regard to marijuana waste disposal.
The grinding method for disposal is the approved method to render marijuana waste unusable by the Alaska Administrative Code and the MC Board. This technique has been deemed to be safe for disposal, and its reliability and safety have been proven through its use in other jurisdictions across the nation.
Alaskan Blooms will utilize the standards set by the MC Board, and in the absence of such standards, will adhere to the strictest standards set by comparable jurisdictions that have been proven and tested. Alaskan Blooms aims to cultivate and process marijuana using only the safest, most dependable, and MC Board-approved methods for every step of the process.
If at any time the MC Board or the Fairbanks North Star Borough implements or approves a different type of disposal method than the one described in the Disposal Plan, Alaskan Blooms will take immediate action to ensure that it complies with all of the MC Board's requirements.
E. Hazardous Waste.
Any hazardous waste will be identified and disposed of in accordance with all of the federal, state, and borough laws, regulations, and codes, as set forth and amended from time to time. Hazardous waste includes solids, semi-solids, liquids, or contained gases which cause or significantly contribute to an increase in mortality or serious irreversible or incapacitating illness, or pose a substantial hazard or potential hazard to human health, public safety or the environment when given improper treatment, storage, transportation, disposal, or other management. Hazardous waste also includes waste identified as hazardous by the Alaska Administrative Code. Hazardous waste includes, among other wastes, toxins, corrosives, flammable materials, irritants, strong sensitizers and materials which generate pressure by decomposition, heat or otherwise.

EXHIBIT A – License No. 10073

ALASKAN BLOOM CULTIVATION FACILITY – EMPLOYEE

[INSERT PICTURE]

MJ HANDLER CARD: XXXXXX
2448 ARVILLA ST.
FAIRBANKS, AK

License No. 10073