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

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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:	Alaska Bud Brothers Aerogardens, LLC	License Number:	10650		
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Alaska Bud Brothers Aerogardens, LLC				
Premises Address:	22720 Yukon Road				
City:	Kasilof	State:	ALASKA	ZIP:	99610

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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:

There will be a total of 498 square feet under canopy. Approximately 80% will be flowering with the balance being mother plants, vegetative plants and clones.

See attachment 12. (canopy) for best description.

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

Water
Clay pellets
Rockwool
Soil
Coconut husk fiber (coir)
Peat moss
Sphagnum moss
Perlite
Vermiculite

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

See attachment # 21 (Enlarged font).
(font auto reduces to fit this space)

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

Water with the proper nutrients is held in a 100 gallon reservoir under the plants. At regular intervals this reservoir is utilized to deliver this water to the plant roots in a sealed container. The water is allowed to drain back to the reservoir where it will be reused. The reservoir water will be changed every 1-2 weeks. The waste water will be used for landscaping/irrigation or sent to the drain field.

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Attachment #21

Fertilizers to be used:

Cloning (to be used only during cloning process)
Hormex Liquid Concentrate (contains; 1-Napthaleneacetic Acid, Indole-3-Butyric Acid (IBA), Vitamin B1 Thiamin Hydrochloride), Hormex Rooting powder (contains Indole-3-Butyric Acid (IBA), Talc, Dip 'N Grow Liquid Concentrate (contains; 1-Napthaleneacetic Acid, Indole-3-Butyric Acid (IBA), Ethyl Alcohol, Isopropyl Alcohol), Clonex Rooting Gel (contains: Indolebutyric Acid), "Willow Water" Weeping Willow (Salix Babylonica) contains; Natural Plant Hormones (Indolebutyric Acid (IBA), Salicylic Acid)). Dip 'N Grow (contains; Indole-3-Butyric Acid (IBA), 1-Napthaleneacetic Acid, Ethyl Alcohol, Isopropyl Alcohol).

Vegetation & weeks 1 & 2 of flower (used only during plant vegetation and weeks 1 and 2 of flower):
Superthrive Plant Vitamin (contains; Kelp , Vitamin B1 Thiamin Hydrochloride), Extreme Blend (contains; Soluble Kelp, Humic Acid, Fulvic Acid, L Amino Acids), Magic Green (contains; Soluble Kelp, Soy Protein Hydrolysate, Molassas)

Synthetic (to be used during all stages of growth)
J R Peters Professional 5-12-26 / 5-11-26 (contains; Potassium Nitrate Containing up to 5% Sodium Nitrate), Magnesium Sulfate, Mono-potasium Phosphate, Boric Acid, Copper EDTA, Zinc EDTA, Iron EDTA), General Hydroponics "Kool Bloom" Powder (contains; Ammonium Phosphate, Ammonium Sulphate, Magnesium Sulphate, Potassium Phosphate, Potassium Sulphate), General hydroponics "MaxiBloom / MaxiGro" (contains; Ammonium Molybdate, Ammonium Nitrate, Calcium Nitrate, Calcium Sulphate, Copper Sulphate, Iron DTPA, Iron EDTA, Magnesium Sulphate, Manganese Sulphate, Potassium Borate, Potassium Nitrate, Potassium Phosphate, Potassium Sulphate, Zinc Sulphate), Calcium Nitrate, Potassium Nitrate (Low Sodium US approved), Magnesium Sulphate (Epsom Salts), Mono-potassium Phosphate (MPK), Sulfuric Acid (pH Down), Nitric Acid (pH Down), Pekacid (pH Down), Phosphoric Acid (pH Up), Citric Acid (pH Down), Potassium Hydroxide (pH Up), Calcium Carbonate (pH Up), Calcium Bicarbonate (pH Up).

Organic (to be used during all stages of growth)
Rock Phosphate, Bone Meal, Fish Bone Meal, Dolomite Lime, Oyster Shell, Crab Meal, Blood Meal, Alfalfa Meal, Green Sand, Azomite (micro nutrients), High Phosphorous Bat Guano, Peruvian Seabird Guano, Earth Worm Castings, Brewers Yeast, Pond Care Pond-zyme (contains; Wheat Bran, Barely Straw, Bacterial Spores (non-pathogenic), Organic Digest-er (contains Natural Bacterial Enzyme), Fulvic Acid, Humic Acid, Molasses Powder, Liquid Molasses, Kelp Extract (liquid and powder), Kelp Meal, Langbeinite (K-mag), Soy Protein Hydrolysate, Fish Protein Hydrolysate, Sulphate of Potash, Endo/Ecto Mycorrhizea (liquid and powder), Mycorrhizea + Trichoderma powder, Diatomaceous Earth, Compost.

Pesticides and Fungicides (to be used only in the stages noted in attached appendices)
Any EPA approved for personal use listed in "Pesticides" in Attachment 14
Any EPA approved foe personal use listed in "Pesticides" in Attachment 15

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Describe the marijuana cultivation facility's waste disposal arrangements:

Two forms of waste disposal will be utilized. A 4'x4'x3' hole will be open for composting at the northeast corner of the building to throw plant waste mixed with biodegradable compost material such as leaves, grass clippings, table scraps, dirt... etc. The second method of disposal will be 55 gallon bags with plant waste and and non-biodegradable. These will be mixed with bleach and taken to the Borough land fill or put in the 4 cu yard dumpster with the final destination of the Soldotna landfill. All mediums other than water will be used as landscaping materials.

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:

Carbon filters will be mounted on each of the flowering exhaust fans. A negative pressure inside the building should ensure the only air leaving th building goes through the exhaust fans

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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.

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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:

Every harvest batch of buds will be segregated and a random sample will be taken by the Manager. That sample will be accompanied by a copy of a signed statement by the manager confirming that it is random. A second copy will be retained at Bud Brothers

The sample will be delivered to the test facility and the batch will be segregated and properly stored.

The batch may be packaged and sold only after the results from the testing facility have been combined with the signed random affirmation 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:

Facility is surrounded by no less than 250 feet of trees to the nearest road. There are no windows in this facility.

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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

James R Gossman

Printed name

Subscribed and sworn to before me this 06 day of July, 2016.

Notary Public in and for the State of Alaska.

My commission expires: 05/05/2018