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 **Form MJ-01: Marijuana Establishment Operating Plan**, 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 the statutes and 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
- Waste disposal
- Odor control
- Testing procedure and protocols
- Packaging and labeling

This form must be completed and submitted to AMCO's main office before any new or transfer application for a standard marijuana cultivation facility or limited marijuana cultivation facility license will be considered complete.

Section 1 – Establishment Information

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

Licensee:	HERBAL DREAMS, LLC.	**MJ License #:**	16170		
License Type:	STANDARD MARIJUANA CULTIVATION FACILITY				
Doing Business As:	HERBAL DREAMS, LLC.				
Premises Address:	12825 W. BIG LAKE ROAD				
City:	WASILLA	**State:**	Alaska	**ZIP:**	99654

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Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the flow of marijuana from seed or clone to harvest and transfer from your premises:

Upon inspection, our seed banks will be organized into strain-specific packages, containing less than fifty seeds each, grouped and packaged in METRC, and will be tracked by and through their assigned package tag, until unpackaged and planted. Clones and seedlings will be in segregated into strain specific groups of less than fifty, physically, and within METRC. We will use clone charts, clone maps, and/or other internal procedures to ensure accountability and tracking of clones and seedlings. Once clones have reached 8" in height, they will be assigned an individual Plant ID tags within METRC, and their growth phase will be changed to vegetative. All vegetative plants will be assigned individual plant tags, which will be used to track them through to harvest. When a plant changes physical location (rooms) or growth phases, it will be tracked through plant logs and/or other internal tracking and communication documents, and will be updated in METRC. When the plants are harvested, strain specific harvest batches will be made from plants harvested on the same day. Wet waste (drying) will be logged on internal tracking forms as well as in METRC. Plant waste (root balls, stalks, leaves) will be deducted from the harvest batch within METRC and AMCO will be notified 3 days in writing before rendering unusable. Packages of Bud and Trim will be made from the harvest batch, and dry waste will be logged through internal tracking forms, through METRC, and reported to AMCO as set forth above. Each package will have a representative sample submitted, from the same package, for testing. After testing results from this "related package" has cleared testing, additional packages will be made from that package to fulfill wholesale or retail orders, which will then be tracked as they are transferred from our facility, physically, and within METRC.

We will further select homogeneous samples from our cultivation facility for random testing during our growing cycles in order to ensure the highest of quality of standards are met. See Cont'd Response.

Section 3 – Prohibitions

Review the requirements under 3 AAC 306.405 and 3 AAC 306.410.

3.1. I certify that the marijuana cultivation facility will not: Initials

a. **sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation;** [✓]

b. **allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on the licensed premises or within 20 feet of the exterior of any building or outdoor cultivation facility; or** [✓]

c. **treat or otherwise adulterate marijuana with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana.** [✓]

Section 4 – Cultivation Plan

Review the requirements under 3 AAC 306.420 and 3 AAC 306.430.

4.1. 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 total area under cultivation will be: 3,072 sq ft.

See MJ-02 previously filed.

Herbal Dreams, LLC will have one vegetation room and three flower rooms- all of equal size. These four rooms will each be 19'-4" by 21'-0". Each room will contain eight 4'x8' growing racks. Each rack will have three shelves with a potential of 768 square feet of growing space per room.

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You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

4.2. The proposed area(s) for cultivation are clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application. [ ]

Answer "Yes" or "No" to the following question: Yes No

4.3. Will the marijuana cultivation facility include outdoor production? [ ] [X]

If "Yes", describe the outdoor structure(s) or the expanse of open or clear ground and how it is fully-enclosed by a physical barrier:

n/a

4.4. Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility, whether indoors or outdoors, cannot be observed by the public from outside the facility:

This is a completely indoor standard cultivation facility. All marijuana is blocked from the public viewing. There are no windows that are not covered/blocked and the doors have no windows and the shop door has no windows either. No marijuana will be viewable by the public at all.

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

The growing medium will be a Canna Terra potting soil consisting of sphagmum peat moss, cocoa coir, composted bark, dolomitic limestone, and additional perlite for drainage. The facility will also make use of rockwool blocks and plugs for propigation and grow.

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

a. Herbal Dreams, LLC will provide all personal protective equipment needed to safely handle all listed below chemicals, materials, and products. MSDS (Material Safety Data Sheet) will be provided and readily available for employee review for every chemical agent within premises.
b. Herbal Dreams, LLC will use various nutrients to include: Terra Vega, Terra Flores, RHIZO TONIC, CANNA ZYM, PK 13/14, and CANNA BOOST, General hydroponics Flora Micro, Flora Bloom, Flora Gro and other similar products.
c. Various types of rooting solutions such as Clonex Rooting Compound, Growth XL, Woods Rooting Compound, and Hormex Rooting Compound will be used to help marijuana plant cuttings to start rooting.
d. Neem oil, 3% Hydrogen Peroxide, Diatematious Earth and SM-90 will be used as a fungicide, insecticide and miticide
e. Clorox Bleach, Simple Green, and Windex are all various cleaning agents to be used.
f. All nutrients and cleaning agents will be stored on shelving or in a fire proof cabinet and will be stored as per the manufacturer's recommendations.
g. They will also be using natural gas fired CO_2 generators

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

All watering operations in potting soil based grows will be by hand via a pumped nutrient solution from 300 gallon mixing and storage tanks. Runoff will be minimal but collected in a reservoir located in each room and either disposed of per DEC regulation or treated and reused. All watering operations in rockwool based media grows will recirculate until it is replaced, at which time the waste will be disposed of per DEC regulation. Normal evaporation will also occur. Any additional waste water that may exist will be collected and disposed of in accordance hazardous wastes produced will be disposed of at the Hazardous Waste Collection Center (HWCC) located at the Valley Regional Landfill. Since this cultivation will be producing less than 220 pounds of hazardous wastes per month, they are classified as a Conditionally Exempt Small Quantity Generator (CESQG). They will be disposed of at the local landfill as set forth above pursuant to their regulations or reused again.

Section 5 – Waste Disposal

Review the requirements under 3 AAC 306.740.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

5.1. The marijuana cultivation facility shall give the board at least three days written notice required under 3 AAC 306.740(c) before making marijuana waste unusable and disposing of it.

5.2. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including wastewater generated during marijuana cultivation, in compliance with any applicable laws. Include details about the material(s) you will mix with ground marijuana waste and the processes that you will use to make the marijuana waste unusable for any purpose for which it was grown:

Solids:

Marijuana waste consisting of leaves, root balls, stems, branches etc. will be stored in a refuse collection container(s) within the licensed premises grow area. When time comes for disposal, after giving AMCO at least three days written notice before rendering the marijuana unusable and disposing of it, all marijuana waste will be mixed and mulched and ground with household garbage consisting of paper and food products in a 50/50% ratio and made unusable. Once this is done, the mulched material will be disposed of via Alaska Waste, or within the local regional landfill, but again only after giving AMCO three days written notice of intent to do same.

Liquids:

Runoff will be minimal but collected in a reservoir located in each room and either disposed of per DEC regulation or treated and reused and normal evaporation will occur as well. All watering operations in rockwool based media grows will recirculate until it is replaced, at which time the waste will be disposed of per DEC regulation. Any additional waste water that may exist will be collected and disposed of in accordance hazardous wastes produced will be disposed of at the Hazardous Waste Collection Center (HWCC) located at the Valley Regional Landfill. Since this cultivation will be producing less than 220 pounds of hazardous wastes per month, they are classified as a Conditionally Exempt Small Quantity Generator (CESQG). They will be disposed of at the local landfill as set forth above pursuant to their regulations or reused again.

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Section 6 – Odor Control

Review the requirements under 3 AAC 306.430.

Answer "Yes" or "No" to the following question:	Yes	No
6.1. Have you received an exemption from your local government for the odor control requirement set forth in 3 AAC 306.430(c)(2)?	☐	☒

If "Yes", you must be able to certify the statement below. Read the following and then sign your initials in the box:	Initials
I am attaching to this form documentation of my odor control exemption from the local government.	☐

If "No" to question 6.1., 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:

Canister style, activated carbon filters will be utilized in conjunction with ducted fans within the proposed cultivation facility to prevent any marijuana odor from being detected by the public. This will keep all smell/odor from being detected outside of the premises. Ozone generator may also be used if determined to be necessary.

Section 7 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465.

You must be able to certify each statement below. Read the following and then sign your initials in the corresponding box:	Initials
7.1. I understand and agree that the board or director will, 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.	☑
7.2. I will ensure that any individual responsible for collecting random, homogenous samples for required laboratory testing under 3 AAC 306.455 will prepare the necessary accompanying signed statement, provide the signed statement to the marijuana testing facility, and maintain a copy as a business record under 3 AAC 306.755.	☑

7.3. Describe the testing procedures and protocols the marijuana cultivation facility will follow:

Upon notification that the board or the director require samples for random compliance checks of the proposed facility, a licensee or an authorized agent of the proposed facility will notify an independent testing laboratory (of the states' choice if applicable) to send a representative to collect the required samples. This way, a chain of custody is established, and the possibility of unintentional contamination due to improper sample collection practices is minimized.

All marijuana product batches will be tested for a battery of state required impurities and/or contaminants by a state licensed lab in accordance with 3 AAC 306.455. The facility will collect random samples from homogeneous batches of individual strains of bud or flower in the amount required by the selected testing facility. The marijuana will be segregated and quarantined in up to five (5) pound lots and kept there until the testing has been completed and the marijuana has cleared and passed the lab.

We will further select homogeneous samples from our cultivation facility for random testing during our growing cycles in order to ensure the highest of quality of standards are met.

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Section 8 – Packaging and Labeling

Review the requirements under 3 AAC 306.470 and 3 AAC 306.475.

Answer "Yes" or "No" to the following question:	Yes	No
8.1. Will the marijuana cultivation facility be packaging marijuana for a retail marijuana store to sell to a consumer without repackaging?	☑	☐

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

After marijuana has been harvested and processed, a sample will be taken from each batch and sent for testing. While results are pending, the batch will be "quarantined" until it is deemed acceptable and passed by the testing facility. Marijuana will be packaged in a variety of ways. Batches of 1.0 gram packs may be produced as well as 1/8 oz, 1/4oz and up to 1 ounce packages. All labeling on all packaging will meet the standards as required for cultivators. All marijuana slated to leave the facility will be placed into a durable, tamper-evident METRC packaging prior to transport. The shipment will be accompanied by the appropriate manifest, and will be verified by the licensee or designated agent before the shipment is permitted to leave.

In accordance with 3 AAC 306.470, when we package the marijuana , we will either place in a package of 1 ounce or less, in approved packaging for the retail store to sell individually. In accordance with 3 AAC 306.475, the packaging shall have these 5 statements to be on the packaging:

See attached label.
Response Cont'd. p. 7.

Answer "Yes" or "No" to the following question:	Yes	No
8.2. Will the marijuana cultivation facility be packaging marijuana in wholesale packages?	☑	☐

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

After marijuana has been harvested and processed, a sample will be taken from each batch and sent for testing. While results are pending, the batch will be "quarantined" until it is deemed acceptable and passed by the testing facility. Marijuana will be packaged in up to five pound wholesale packages for retail marijuana stores. All labeling on all packaging will meet the standards as required for cultivators. All marijuana slated to leave the facility will be placed into a durable, tamper-evident METRC packaging prior to transport. The shipment will be accompanied by the appropriate manifest, and will be verified by the licensee or designated agent before the shipment is permitted to leave.

In accordance with 3 AAC 306.470, when we package the marijuana in up to five pound lots consisting of a single strain or a mixture of strains as identified on the label In accordance with 3 AAC 306.475, the packaging shall have these 5 statements to be on the packaging:
(1) "Marijuana has intoxicating effects and may be habit forming and addictive.";
(2) "Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence.";
(3) "There are health risks associated with consumption of marijuana.";
(4) "For use only by adults twenty-one and older. Keep out of the reach of children.";
(5) "Marijuana should not be used by women who are pregnant or breast feeding.".

See attached label.
Response Cont'd. p. 7.

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 AS 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 unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Printed name of licensee: DANIEL C ROLLOCK

LANCE C. WELLS NOTARY PUBLIC STATE OF ALASKA

Notary Public in and for the State of Alaska

My commission expires: 6/18/19

Subscribed and sworn to before me this 28th day of March, 2018.

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(Additional Space as Needed):

2.1 Continued Response.

Marijuana will be packaged in a variety of ways. Batches of 1.0 gram packs may be produced as well as 1/8 oz, 1/4oz and up to 1 ounce packages. All labeling on all packaging will meet the standards as required for cultivators. All marijuana slated to leave the facility will be placed into a durable, tamper-evident METRC packaging prior to transport. The shipment will be accompanied by the appropriate manifest, and will be verified by the licensee or designated agent before the shipment is permitted to leave.

In accordance with 3 AAC 306.470, when we package the marijuana for retail, we will either place in a package of 1 ounce or less, in approved packaging for the retail store to sell individually. In accordance with 3 AAC 306.470, when we package the marijuana in up to five pound lots for wholesale sales, consisting of a single strain or a mixture of strains as identified on the label.

In accordance with 3 AAC 306.475, the packaging shall have these 5 statements to be on the packaging:
In accordance with 3 AAC 306.475, the packaging shall have these 5 statements to be on the packaging:
(1) "Marijuana has intoxicating effects and may be habit forming and addictive.";
(2) "Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence.";
(3) "There are health risks associated with consumption of marijuana.";
(4) "For use only by adults twenty-one and older. Keep out of the reach of children.";
(5) "Marijuana should not be used by women who are pregnant or breast feeding."

(1) placing marijuana products within a sealed, tamper-evident shipping container;
(2) affixing a label that complies with 3 AAC 306.470 to the shipping container; and
(3) generate a transport manifest from the marijuana inventory tracking system; the transport manifest must remain with the marijuana products at all times while being transported, give a copy to the licensed marijuana establishment that receives the shipment.

8.1 Continued Response:

(1) "Marijuana has intoxicating effects and may be habit forming and addictive.";
(2) "Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence.";
(3) "There are health risks associated with consumption of marijuana.";
(4) "For use only by adults twenty-one and older. Keep out of the reach of children.";
(5) "Marijuana should not be used by women who are pregnant or breast feeding.".

(1) placing marijuana products within a sealed, tamper-evident shipping container;
(2) affixing a label that complies with 3 AAC 306.470 to the shipping container; and
(3) generate a transport manifest from the marijuana inventory tracking system; the transport manifest must remain with the marijuana products at all times while being transported, give a copy to the licensed marijuana establishment that receives the shipment.

When a marijuana cultivation facility packages marijuana for a retail marijuana store to sell to a consumer without repackaging, the packaging may not have any printed images, including cartoon characters, that specifically target persons under 21 years of age. In addition, the packaging must protect the product from contamination and may not impart any toxic or damaging substance to the marijuana.

8.2 Continued Response:

Bulk marijuana products will be packaged for transport to another licensed marijuana facility in wholesale packages not to exceed five pounds. The product will be identified by a tracking label generated by the marijuana inventory tracking system.
(1) placing marijuana products within a sealed, tamper-evident shipping container;
(2) affixing a label that complies with 3 AAC 306.470 to the shipping container; and
(3) generate a transport manifest from the marijuana inventory tracking system; the transport generating a transport manifest from the marijuana cultivation facility's marijuana inventory tracking system; the transport manifest must remain with the marijuana at all times while being transported, and a copy must be given to the licensed marijuana establishment that receives the shipment.

See attached sample label.

AMCO Received 10/16/2018

RERSPONSE TO QUESTION 8.1: SAMPLE LABEL

SAMPLE LABEL #1

(1) "Marijuana has intoxicating effects and may be habit forming and addictive."
(2) "Marijuana impairs concentration, coordination, and judgment.
Do not operate a vehicle or machinery under its influence."
(3) "There are health risks associated with consumption of marijuana."
(4) "For use only by adults twenty-one and older. Keep out of the reach of children."
(5) "Marijuana should not be used by women who are pregnant or breast feeding."

Retailer: ABC Buds, LLC.
Retailer License No. 12316

BARCODE: IIIIIIIIIIIIII

Cultivator: Herbal Dreams, LLC.
Cultivator License No. 16170

OG KUSH BUD 1.0 Grams
Harvest Batch No. 1A34fgh123

Net. Wt: 1.0 GR (0.03527396 OZ)
TEST: THCA: 18.48%, THC 16.6%, CBD: .06%

AMCO Received 10/16/2018

8.2 Cont'd. Response: Sample Label

HERBAL DREAMS

Far north growop

HERBAL DREAMS, LLC

AMCO CULTIVATION LICENSE # 16170

HARVEST BATCH # KUSH 12345

MARIJUANA NET WEIGHT: 227grams
Harvest Date: 12/25/2018

WHOLESALE PACKAGE LABEL
METRC PKG ID#
1A1210601243000A

MARIJUANA INFORMATION

STRAIN NAME: OG KUSH

STRAIN TYPE: Sativa dominant hybrid

TEST LAB: CannTest License #10009
TEST DATE: 1/25/2019
TEST RESULTS:
- TOTAL THC: 22.07% (3 month range: 18.53% - 22.29%)
- TOTAL THCA: 24.82% (3 month range: 20.55% - 25.09%)
- TOTAL CBD: .06% (3 month range: .05% - .06%)
- TOTAL CBDA: .06% (3 month range: .05% - .07%)
- TOTAL CANNABINOID: 26.97% (3 month range: 22.22% - 26.97%)
- MICROBIAL TESTING
  - E-Coli (STEC) Bacteria: Pass
  - Salmonella: Pass
  - Aspergillus: Pass
  - E-Coli (STEC): Pass

Not Tested: Herbicides, Pesticides, Fungicides, Harmful Chemicals

NUTRIENTS USED IN CULTIVATION
- Cultured Solutions Veg A
- Cultured Solutions Veg B
- Cultured Solutions UC Roots
- Cultured Solutions Bud Booster Early
- Cultured Solutions Bud Booster Mid
- Cultured Solutions Bud Booster Late
- RX Green Solutions Axiom
- Advanced Nutrients Sensi Cal Mag
- Advanced Nutrients B 52
- Advanced Nutrients Voodoo Juice
- Botanicare Hydro Guard
- EZ Clone Clear Rez
- DynaGro Pro Tekt
- Clonex Rooting Gel
- Blue Lab pH Down
- Blue Lab pH Up
- Compost Tea

PEST PROTECTANTS USED IN CULTIVATION
- Central Coast Garden Products Green Cleaner
- General Haydroponics AzaMax
- General Hydroponics AzaPro

- NO HERBACIDES OR FUNGACIDES USED IN CULTIVATION

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.

AMCO Received 10/17/2018