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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:	Green Acres 907, LLC	**MJ License #:**		19466	
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Green Acres 907, LLC				
Premises Address:	Lot 1 Root Beer Lake				
City:	Big Lake	**State:**	Alaska	**ZIP:**	99652

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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:

All marijuana cultivated at Green Acres 907, LLC will be tracked from seed or clone to sale or destruction in METRC. All plants that reach eight inches will be tagged and assigned a METRC tracking number. Marijuana will be harvested and grouped into batches per the evolving testing regulations, of which changes are expected to be codified into 3AAC306 by the time this application is reviewed by the MCB. Regardless of the batch size required under the newly proposed testing regulations, all batches for testing purposes will be of one single strain and will be assigned a METRC harvest batch number. A random sample (size of sample depending on pending regulation changes to testing requirements) will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. A transport manifest generated from METRC will accompany each transfer of marijuana to another licensed facility. Marijuana will be sealed in containers not exceeding five pounds and placed inside a locked storage compartment within the vehicle or bed of a truck for wholesale transactions and up to one ounce containers for re-sale by retailers without re-packaging. Package labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. All transfers of marijuana to other licensed facilities will be done in compliance with the state and local regulations and Green Acres 907, LLC's policies.

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;** DK

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** DK

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.** DK

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:

Cultivation of marijuana plants will only occur in the Veg/Propagating area, as depicted on the diagram and in the bloom/ flowering room, as depicted in the diagram. Below are the dimensions for the area under cultivation:

Bloom Room: 18'x17square ft. = 306 square feet
Veg Room: 8x20 square ft. = 160 square feet

Total square footage **under cultivation**: 466 square feet - **all growing shall take place on tables or the plant pots will be directly on the floor for plants that are large enough. There will be no vertical or multiple tier cultivation occuring at the facility.**

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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? ☐ ☑

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:

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:

Green Acres 907, LLC will ensure that marijuana cannot be visible by the public. There is one window in the facility that will be blacked out in order to ensure the interior of the facility is not visible from the public, outside of the facility. The facility garage door will be welded shut to prevent any access into the facility. David and Christina will ensure complete discretion while preparing a delivery from the facility. David and Christina will ensure that he and his staff package and prepare product away from doors, prior to being loaded in transport vehicles, to keep any type of visibility from happening.

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

Green Acres 907 will use several mediums in its cultivation. 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. The grow tables will be outfitted with hand-watering techniques and/or an automatic irrigation system designed with the nutrient management system to maximize production.

4.6. Provide the complete product name and EPA registration # (if applicable) for each of the cultivation facility's pesticides and pest control products to be used. All proposed products must be on DEC's list of approved pesticides in the state of Alaska:

CLONEX ROOTING GEL 79664-1 and any other pesticide that is on the DEC's list of approved pesticides.

4.7. Describe all other fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used at the marijuana cultivation facility:

The facility will use the following plant nutrients as fertilizer added to the hydroponic water solution (for the hydroponic 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. Brand name formulas may be used, if available, which include the above additives, but also the facility may create their own recipes of nutrients using the additives above in combination with a Brand name product identified below or by itself. Brand Names that may be used are Extreme Garden, House and Garden, Botanicare, Alchemist, etc. Nutrients, fertilizers, & chemicals will be used in formulas/recipes depending on strain type, life cycle and other factors such as commercial availability of certain nutrients at various time periods. Continued on Page 7

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

The facility will utilize hand watering as well as, using misters and drip irrigation system. 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 drain into a leach field on site.

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. DK

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:

Green Acres 907, LLC 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) any other materials or containers in contact with marijuana products that risk contamination (4) any other marijuana deemed as waste by the MCB or Director. Marijuana waste will be stored away from all other marijuana in a locked container inside the facility and, will be rendered unusable prior to leaving the facility for disposal. A notice via email will be sent to AMCO enforcement not later than three days prior to rendering waste unusable and will be recorded in METRC as well. Marijuana waste will be rendered unusable by grinding and then mixing with other compost-able and non compost-able material such as food waste, yard waste (only yard waste that is environmentally safe to burn), cardboard, paper and soil; until the resulting mixture is no more than fifty (50) percent marijuana waste. David and Christina will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, reason for disposal, date it was rendered unusable, and final destination. The final mixture will be stored in a secured locked container. Due to the remote location of this facility- once the waste has been rendered unusable it will be burned in controlled burn barrels with constant supervision by David.
station. This information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request.

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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:

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. Due to the remote location of the Green Acres 907, LLC facility, there are no surrounding homes/businesses, etc. so odor control is not anticipated to be an issue, but the facility will still use carbon filters and fans as described above.

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. DK

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. DK

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

Marijuana will be harvested and grouped into batches per the evolving testing regulations, of which changes are expected to be codified into 3AAC306 by the time this application is reviewed by the MCB. Regardless of the batch size required under the newly proposed testing regulations, all batches for testing purposes will consist of one single strain and will be assigned a METRC harvest batch number. A random sample (size of sample depending on pending regulation changes to testing requirements) will be collected from each batch and transported via transport policy to a licensed testing facility. 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 remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. Green Acres 907, LLC 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. Green Acres 907, LLC 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 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:

The shipping container of direct consumer sale units will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. The units for direct retail sale without repackaging will be packaged in child resistant packaging, labels will contain 5 required warnings, testing results will be prominently displayed and no units will be packaged over one ounce. Any packaging done at the facility will be performed in an area specifically set aside for packaging and monitored with 24 hour surveillance. Packaging will be uniform with labels secure and prominently displayed. The facility will use certified scales in compliance with the Alaska Weights and Measures Act, and will maintain registration and inspection reports at the facility. Continued on Page 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:

Wholesale packages of marijuana will be sold to other licensed facilities in packages up to five pounds consisting of a single strain or a mixture of strains with strain names identified on the label. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the on site manager, David or Christina will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Wholesale labels will be checked for (1) the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; Continued on Page 7 With sample label.

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

David Kulper
Printed name of licensee

VALERIE MASTOLIER
Notary Public
State of Alaska
My Commission Expires Jun 7, 2022

Notary Public in and for the State of Alaska

My commission expires: 6/7/22

Subscribed and sworn to before me this 14 day of December, 2018.

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(Additional Space as Needed):

4.7 Continued - 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 concentrate of CO2 gas falls below or rises above a set concentrate. The facility will use hydrogen peroxide, Simple Green, and chlorine bleach as cleaning agents.

8.1 Continued - After agents package marijuana they will be placed in sanitized, air-tight containers, labeled with all compliant labeling information, and be given a barcode for the inventory control system. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and David, and/or the on site manager will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana.

8.2 Continued - (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. A METRC generated tracking label will be affixed to each package. The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. If a wholesale shipment sold to another licensed facility is from a harvest batch that has not been tested for contaminants, a label will be affixed identifying each such contaminant.

8.1 Sample Label

Front of Package

window to view product

Strain Name

Indica-Dominant

Net Weight: 3.5 g (0.124 oz.)

Back of Package

Cultivator: Green Acres907, LLC
License #19466
HB#: greenacres4dayz0384553
Strain: GreenAcres HAZE

METRC #: 36B875000036451115AB
Testing Lab: ABC Lab **License #:** 12345
Testing Date: 02/05/2020
Fungicides: None **Herbicides:** None
Pesticides: None
Cannabinoid Profile:
Total THC: XXXX% **Total CBD:** XXXX% **THC:** XXXX%
CBD: XXXX% **THC-A:** XXXX% **CBD-A:** XXXX%
CBN: XXXX%

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.

*or similar format and content

8.2 Sample Label

Cultivator: Green Acres 907 **License No:** 19466
Harvest Batch No: **Package No:**
Net Weight: **Strain:**
Testing Facility: **License No:**
THC: **THCA:** **CBD:** **CBDA:** **CBN:**
Microbial Test: **Fungicides:** **Pesticides:** **Herbicides:**
Fertilizers: **Soil Amendment:**

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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