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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:	ISG, Inc.	**MJ License #:**	12311		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Juneau's Green Garden				
Premises Address:	5011 Short Street, Suite 1				
City:	Juneau	**State:**	Alaska	**ZIP:**	99801

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Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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 Juneau's Green Garden will be tracked from seed or clone to sale or destruction in METRC, the marijuana inventory tracking system. All plants that reach eight inches will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches up to five pounds of individual strains and will be assigned a METRC harvest batch number. A random sample will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated 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 not more than five pound containers inside a locked storage compartment within the vehicle 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.

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:

Juneau's Green Garden will have the following areas under cultivation:

5 grow pods at 14ft x 42ft(588) each for a total of 2,940 square feet
1 veg room at 8ft x 40ft for a total of 320 square feet

The total square feet under cultivation will be approximately 3,260 square feet.

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Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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:

The cultivation facility is a fully enclosed warehouse with no windows. All cultivation functions will occur inside facility, with the exception of the enclosed sight obscuring fenced waste container, not viewable by the public from outside. All marijuana will be packaged into opaque packaging before being moved to the transport vehicle for transfers to other licensed facilities.

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

Juneau's Green Garden will begin by growing in soil only and will use Fox Farm Ocean Forest soil. Ingredients: soil, perlite (small volcanic pebbles mixed into soil for aeration), bat guano, green sand, earthworm castings, sea-going fish and crab meal, aged forest products, sandy loam, and sphagnum peat moss.

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

We will be using naturally derived food grade plant food containing:
Calcium 5.0%, Boron .02%, Iron .1 %, Magnesium .05%, Molybdenum .0008% and Nitrogen 6.0%. Other products will contain sulfur 1 % and soluble potash 2.0%
Carbon dioxide will be used in the sealed vegetative and bloom rooms. We will be using electronic C02 sensors and burners. The carbon dioxide levels will be 1,200 to 1,500 ppm in each room.
Fertilizers will be mixed with water and delivered to the plants during watering.
Fertilizers to be used: Sugaree, Terpinator and Floralicious, General Hydroponics brand (flora grow, flora bloom and flora micro, florablend, koolbloom, florakleen, rapidstart, floralicious plus, floranova, calimagic, diamond nectar, floranectar, florablend, armor si, subculture florakleen, florashield), Extreme Gardening (Azos and Mykos), Power SI (Silicit Acid) and CloneX, sensi grow and bloom.

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

The plants will receive a predetermined amount of water each day from a watering system. All plants will be in catch trays, all run off from the plants will be caught in the catch trays that the pots rest in and the water will be reabsorbed by the plants creating zero liquid waste. Natural growing mediums and practices will afford zero water waste.
In the rare event that a plant is given the incorrect mixture of nutrients, the water to be disposed of will not go into the city sewer system. Any waste water will be ran through a reverse osmosis filter and diluted by 100% before being added to the expired growing medium.

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:

Juneau's Green Garden 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, plant material and trimmings; (3) run off water from cultivation and processing; (4) any other materials or containers in contact with marijuana that risks contamination (5) any other marijuana deemed as waste by the MCB or Director. Marijuana waste will be stored away from all other marijuana in a seald container located inside the facilty. Once it has been rendered unusable, the unusable marijuana waste will be in a locked, fenced , dumpster that is located against the exterior of the building and within a fenced in area, and will be periodically picked up by a waste truck. Prior to rending marijuana unsuable, 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 when that function becomes available. Marijuana waste will be rendered unusable by grinding and then mixing with other compostable and non-compostable material such as, food waste, yard waste, cardboard, paper and soil; until the resulting mixture is no more than fifty percent (50%) marijuana waste. Management 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. A waste truck will collect the waste mixture and dispose of it at the local city waste station. Capitol Disposal Landfill & Recycling Center was contacted. Shannon Wright (Operations Manager for the Capitol Disposal Landfill) confirmed that the properly mixed expired soil and plant waste will be accepted for disposal with no restrictions. 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)?	☐	X

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:

We will control odor by using large activated charcoal filters in each individual room containing marijuana. They will exhaust stale air out of the grow rooms as needed. The exhaust will be located in the warehouse space and not to the outside of the building.

Each room containing marijuana will be completely sealed from the outside air. Given the large size of the building, the HVAC system is able to clean and recirculate the air within the building with a UV light scrubber eliminating the need to vent air to the outside of the building.
Should odor become detectable from outside the building, additional odor control measures will be installed.

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:

All harvested marijuana will be processed into batches. A designated agent from the facility will be selected to collect a testing sample at random from each batch. The individual responsible for collection will sign a statement certifying that each sample was randomly selected. Juneau's Green Garden will provide a copy of the signed statement to the testing facility and will maintain a copy as a business record. All samples will be transported to a licensed testing facility in compliance with the state regulations and the company's internal 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. The licensee and managers 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?	X	

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:

Any packaging done at the facility for direct retail sales 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. 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 lab. 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 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 & a place for the retailer to put a sticker identifying the name and license of the retailer; (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. Marijuana that is packaged for direct consumer sale, that is not intended to be repackaged by a retail facility prior to direct sale, shall be packaged in quantities not exceeding more than once ounce, and there shall be an area on the packaging for the retailer who is selling directly to consumers the retailers license business name and license number. If the packaging is not opaque and child resistant, a reminder for the retailer will be placed with the manifest reminding the retailer that the packaging delivered, as is, is not sufficient to exit the store as is and that an exit bag is required to be provided to the retail customer prior to leaving the retail store.

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 will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Wholesale labels will have (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. A METRC generated tracking label will be affixed to each package. The shipping container will have a label staling that a licensed testing facility has tested each batch in the shipment, and list: (1) the dale of final testing: (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage or 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. Ir a wholesale shipment sold lo another licensed facility is from a harvest batch that has not been tested ror contaminants, a label will be affixed identifying each such contaminant.

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

Elizabeth Romanoski

Printed name of licensee

NOTARY PUBLIC
STATE OF ARIZONA
Pima County
ALEXIS HERNANDEZ
My Commission Expires January 18, 2022

Notary Public in and for the State ~~of Alaska~~ AZ

My commission expires: 1/18/2022

Subscribed and sworn to before me this 8th day of March, 2018.

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(Additional Space as Needed):

Sample retail and wholesale label:

Cultivator: Juneau's Green Garden
License Number: 12311
Batch/Lot Number: AB030118
Gross Weight: **Net MJ Weight:**
Packaging Date: **Best By Date:**
Strain:
METRC #: 3688750000036451115AB
Tested By: **License No:**
Fungicides: None **Herbicides: None** **Pesticides: None**
Residual Solvent Test: Passed **Contaminants Test: Passed**
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

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