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:	Isidore, LLC	**MJ License #:**		10248	
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Isidore				
Premises Address:	5200 A Street Suite 100				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99518

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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:

Most plants will be started as clones from one of the established mother plants in the facility. These clones will be kept in root cubes until rooted and then transplanted into disposable bags of inorganic planting medium. Plants will be grown in vegetative rooms for approximately 5 weeks before being moved to flower rooms. Plants will grow in flower rooms for 8-9 weeks before being harvested. Harvest consists of cutting down and weighing the plants then they will move to the harvest room where the flower will be trimmed, dried and put into food grade plastic buckets to cure. Trim will be dried and transfered to manufacturing. Buckets of curing product will be stored in the secure basement hallway. Cured product will be moved to the packaging room as needed and packaged and labeled per 3 AAC 306.470 and3 AAC 306.475. Transfers will be logged into METRC and conducted per 3 AAC 306.750.

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;	KD
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	KD
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.	KD

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:

Mother Room Cultivation:

(35.9 x 12.8) = 460 sf

Vegetation Room Cultivation:

(43.1 x 12.8) + (34.1 x 12.8) + (56.0 x 13.0) = 1716 sf

Flower Room Cultivation:

(117.6 x 19.6) + (78.3 x 19.6) + (117.6 x 23.9) = 6650 sf

Total Cultivation Area = 8826 sf

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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. KD

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:

No windows are included in the marijuana cultivation facility. A single door indirectly connects through a stair landing to a hallway, a person looking in the door as a person was entering the facility would not see marijuana. Marijuana waste will be bagged before being removed from restricted access areas.

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

Marijuana clones will be started in rockwool cubes. Rockwool cubes are made from a combination of rock and sand and then the mixture is spun to make fibers which are formed into different shapes and sizes and used for gardening purposes. Once rooted, the clone plant will be transplanted into a mixture of rock wool croûtons (smaller chunks of rockwool), expanded clay pellets, an expanded glass white stone.

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:

AZAGUARD - EPA # 70299-17, AZASOL - EPA # 81899-4-74578, BONIDE CITRUS FRUIT & NUT ORCHARD SPRAY CONCENTRATE - EPA # 67702-17-4, BOTANIGARD ES - EPA # 82074-1, GREEN CURE - EPA # 70870-1, MONTEREY TAKE DOWN GARDEN SPRAY - EPA # 67702-5-54705, ORTHO TREE & SHRUB FRUIT TREE SPRAY CONCENTRATE - EPA # 70051-75-239, PYRETHRUM TR TOTAL RELEASE INSECTICIDE - EPA # 499-479, PYRONAL CROP SPRAY - EPA # 89459-26, ROOTSHEILD GRANULES - EPA # 68539-3, SAFER TOMATO AND VEGETABLE INSECT KILLER II - EPA # 59913-10, TERSUS INSECTICIDE - EPA # 1021-2616

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

Nutrients B, N, Mg, P, S, Cl, K, Ca, Mn, Fe, Cu, Zn and Mo will be provided via General Hydroponics Floro series or another commercial nutrient manufacturer. Carbon dioxide will be monitored and added to the grow rooms during the lighted stages. Carbon dioxide levels will be maintained at 600 to 800 ppm. CO_2 monitors will control solenoid valves on the piped CO_2 system. Monitors will also report alarm conditions at concentrations above 5000 ppm. These alarms will produce an audio visual signal as well as dial the monitoring company to report this condition.

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

Irrigation will be done via individually batched feed barrels that will be prepared in each room where they will be used. In mother and vegetation, the plants will be hand (wand) fed. In flower rooms drip systems will be installed and run manually at the beginning of each shift. All plants will be top fed daily in soil-less medium and will be placed in trays to catch excess run-off. It is estimated that up to 1000 gallons of water will be used daily for irrigation. Approximately 90 % of this water will be dispersed via transpiration, collected via passive and active dehumidification and wasted to floor drains on each floor. As this water is essentially distilled by the dehumidification process, it will contain no chemicals and should pose no health hazards. Of the remaining 10%, approximately 5% will be collected as runoff from watering operations. This runoff will contain relatively low levels of added minerals and can safely be added to the sanitary sewer after screening of solids.

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. KD

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:

The majority of our plant waste will come from trimming the plants after Day 20 in the growing cycle. This waste will be ground up/cut up and mixed with an equal amount of our used growing medium, bagged in opaque, black, garbage bags and simply thrown away or sold as potting soil. Before this time in the grow cycle, there is no usable THC on the plant and the plant waste can be treated with a bleach wash as a precaution and thrown away in opaque, black, garbage bags. All plant waste (flower, leaves, trim, etc) with usable amounts of THC will be packaged and sent to our manufacturing facility for concentrate extraction. All marijuana waste will be stored within controlled access areas within the hallways of each floor for three days after notifying AMCO of intended waste disposal weights and dates. After the three day waiting period waste will be rendered unusable as detailed above and removed to a waste disposal facility.

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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. KD

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:

The exterior envelope will be constructed to be air tight. The exterior walls will be sprayed with urethane to provide a hermetically sealy exterior envelope. The mechanical systems will be balance to keep the building slightly negative. This will keep any air from migrating directly through any exterior openings and instead will be pulled into the activated carbon filter exhaust fans installed on each floor and discharging through the roof.

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. KD

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. KD

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

An entire flower room will be harvested at each harvest. Each harvest will yield approximately 20 pounds of usable product and will typically contain between 2 and 6 strains. Each harvest will be segregated into batches based upon the batch definition contained in 3AAC.990. Each batch will be trimmed, dried, and cured. Usable trim generated will remain part of its associated segregated batch. Once cured, a random sample will be collected from each batch and forwarded to the marijuana testing facility. The QC lead will prepare and include with each sample a signed statement that each sample has been randomly selected for testing. Samples will be entered into metrc prior to transport.

The following items will be coordinated with the marijuana testing facility:
- Sample randomizing procedures.
- Minimum sample size and storage requirements.
- Coordination of forms for documenting sample security, care and quality.

The segregated batches will remain quarantined until all required testing has been completed on the batch sample and satisfactory test results are obtained. The completed report once received from the marijuana testing facility will be retained as a business record.

Additional random samples may be requested by the board or MOA. Sampling and testing procedures will be the same as for the generalized batch sampling or as otherwise directed.

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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:

Marijuana will be weighed on state-certified scales and packaged in bags less than one ounce. Packages will be heat sealed mylar bags to protect the product from contamination and will not impart toxic or damaging substances to the marijuana. These packages will be affixed with labels exhibiting strain name, package size, cannabinoid testing results, cultivator name, cultivator license number, and the 5 warnings contained in 3AAC 306.475. No labeling with printed images that target persons under 21 years of age will be present on the labels.

Please see sample label 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?	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:

Marijuana for wholesale transfer will be packaged in tamper-evident packaging and labeled with the applicable information from 3AAC 306.470. Wholesale packages for repackaging by a retail store will not exceed 5 pounds. Wholesale packages for sale to a manufacturing facility will not exceed 5 pounds and will contain a single strain or a mixture of strains as identified on the label.

Please see sample label on page 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

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

Notary Public in and for the State of Alaska

Kyle Denton
Printed name of licensee

My commission expires: 6/7/22

Subscribed and sworn to before me this 17 day of September, 2018.

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(Additional Space as Needed):

Retailer: AK Frost **License**: #10866 **Harvest Date:** 7/28/17
Cultivator: Isidore, LLC
Strain: Termination Dust
Description: indica
Expires: 1/28/18
Harvest Batch: TDUS072817

CANNABINOID PROFILE:

Total THC: 20.50% **THC:** 00.29% **THC-A:** 23.05%
Total CBD: 00.05% **CBD:** <0.01% **CBD-A:** 00.06% **CBN:** <0.01%

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. Marijuana should not be used by women who are pregnant or breast feeding.

FOR USE ONLY BY ADULTS 21 & OLDER.
KEEP OUT OF THE REACH OF CHILDREN.

Section 8.1 Sample Label

Wholesale Written Disclosure/Transport Container Package Label

Cultivator: Isidore, LLC Lic #4a-10248 **Strain: (Strain Name(s))**

Nutrients: [list nutrients]

Fungicides/Pesticides/Insecticides: [list fungicides/pesticides/insecticides]

Amendments: [list amendments]

All flower sold has passed microbial screening for salmonella, E-Coli, aspergillus flavus, aspergillus fumigatas, and aspergillus niger as well as visual screening for mold, mildew and filth. Actual testing results from the testing facility are included for each harvest batch in your order.

Section 8.2 Sample Label

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