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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:** | The Fire Supply LLC | **MJ License #:** | 15015 | | |
| **License Type:** | Limited Marijuana Cultivation Facility | | | | |
| **Doing Business As:** | The Fire Supply | | | | |
| **Premises Address:** | 1705 Winding Brook loop # A3 | | | | |
| **City:** | Palmer | **State:** | Alaska | **ZIP:** | 99645 |



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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:**

Marijuana plants will be started both from seeds and from clones in the mother/veg area (A3-2). Once seeds/clones reach 8 inches they will be tagged with a METRC RFID tag and entered into the tracking system. When clones/seeds have reached the desired height, they will be moved into bud rooms 1,2 and 3 where they will continue in the vegetative and flowering cycles until harvest. Plants will be harvested, cured and stored in both A3-8 and A3-7 rooms.

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 be sent with 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:**

The proposed facility is approximately 1768 square feet and will have a total cultivation area of 484 square feet.

Each of the three bud rooms (A3-3, A3-4, A3-5) will contain 4 tables measuring 4'x 8' each for a total of 384 square feet under cultivation in the bud rooms.

The mother and clone area (A3-2) will measure 10' x 10' for a total of 100 square feet under cultivation.



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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:**

The Fire Supply will not have any signs indicating the presence of a marijuana cultivation facility. The windows will be covered with blinds and will also be covered from the inside with black plastic to eliminate any light escapement and prevent the public from seeing into the building. Additionally, all cultivation, processing and packaging activities will take place inside the facility not viewable from the outside. All marijuana to be transported from the facility will be securely packaged in opaque packaging before being moved to the transport vehicle.

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

The Fire Supply will use grodan cubes, soil and rockwool medium for cloning, vegetative growth, mother plants and flowering. For cloning purposes neoprene inserts in an aeroponic watering system will also be used.

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

The Fire Supply LLC will use cloning gel and the General Hydroponic Flora nutrient system (3 stage-Micro/Gro/Bloom). Additional additives including: Nitrogen; Phosphorus; Potassium; Sulfur; Calcium; Magnesium;Iron; Manganese;Boron; Copper; Zinc; Molybdenum; Chlorine; Nickel; and Silicon. 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. Chemicals, gases, and pesticides to be used by The Fire Supply LLC: hydrogen, oxygen and carbon dioxide (CO2), PH up and PH down will be used to ensure the proper PH of the water is maintained. Common cleaning supplies will also be used to clean all rooms. Co2 emitting bags will be hung at various locations throughout bud, mother and cloning areas.



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

20-gallon reservoirs will be at the end of each table in the bud rooms. A water pump in each reservoir with a ½ inch supply hose will deliver water to the tops of each plant via ¼ inch connection hoses. The water will flood the growing medium and drain back into the same reservoirs. The water will be used continuously for 1-2 weeks before being changed, with water being added daily to maintain 20 gallons in the reservoirs. For the last 2-3 days of each watering cycle water will not be added allowing the reservoirs to be naturally drained via plant consumption prior to change out. The mother plants in A3-2 will be fed using the same delivery method. Clones grown in grodan cubes will sit in collection trays and be hand watered daily. Clones housed in the aeroponic cloning machine will be continuously watered via a water pump delivering water through a PVC pipe and sprayer nozzles housed within the unit. Any residual water left in the reservoirs, trays or aeroponic cloning system will be stored in holding tanks to be pumped as needed by a local waste transferring contractor.

## 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:**

The Fire Supply LLC will grind and mix all marijuana waste (leaves, trim, stocks, stems, .. returned samples used for testing or sales, & any marijuana that has failed the required testing) material at a ratio of 1:1 with other compostable or non-compostable materials to ensure that the marijuana waste is rendered useless per requirement under 3 AAC 306.740. AMCO enforcement will be given the required 3-day notification via email prior to any waste being rendered unusable. Waste will be disposed into a locked dumpster to be emptied as needed by a licensed refuse contractor. For the last 2-3 days of each watering cycle, water will not be added allowing the reservoirs to be naturally drained via plant consumption prior to change out. Any residual water left in the reservoirs, trays or aeroponic cloning system will be stored in holding tanks to be pumped as needed by a local waste transferring contractor.



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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:**

Each of the three bud rooms, the mother/cloning room and both trimming/curing rooms will be equipped with charcoal filters and fans that will continuously scrub the air, eliminating any odor. In addition, any air being exhausted out of the facility will be ran through charcoal filters prior to leaving the building to ensure no marijuana odor is detectable to the public outside.

## 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:**

The Fire Supply will provide a randomly collected sample of each harvest batch of marijuana to the testing facility and will not sell or transport any marijuana until test results are received back from the testing facility. To comply with 306.455 a random, homogeneous sample in the required amount will be selected for testing. The individual designated by the facility will prepare a signed statement to show proof that each sample has been randomly selected. The facility will provide the signed statement to the marijuana testing facility and will file a copy as a business record. The marijuana cultivation facility will segregate the entire single strain, up to but not exceeding a five pound batch from which the sample was selected, in the appropriate locked storage container under quarantine until the testing results are received. Once the cultivation facility has been notified of the test results they may market the marijuana to licensed retailers and manufacturers. The results received from the testing facility will be kept as part of the business records. The results will be made available to AMCO upon request.
The Fire Supply 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 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. 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. 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, comer, 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; (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.

| 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, comer, 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 or Nick 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; (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.

**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

Josh Boots

Printed name of licensee

CHRISTINA THIBODEAUX
Notary Public
State of Alaska
My Commission Expires Mar 31, 2021

Christina Thibodeaux

Notary Public in and for the State of Alaska

My commission expires: March 31, 2021

Subscribed and sworn to before me this 21st day of March, 2018.



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**(Additional Space as Needed):**

Sample wholesale and retail sales label:

**Cultivator:** **The Fire Supply** **License No:** **15015**
**Harvest Batch No:** ECBD03.21.17 **Package No:** 1A405030001B50000789
**Net Weight:** 454g Flower **Strain:** Wino
**Testing Facility:** ABC Labs **License No:** 12345
**THC:** 12.87% **THCA:** 13.94% **CBD:** 0.1% **CBDA:** 0.03% **CBN:** 0.01%
**Microbial Test:** Passed **Fungicides:** None **Pesticides:** None **Herbicides:** None
**Fertilizers:** **Soil Amendment:** None
**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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