Alcohol & 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

Cover Sheet for Marijuana Establishment Applications

What is this form?

This cover sheet **must** be completed and submitted any time a document, payment, or other marijuana establishment application item is emailed, mailed, or hand-delivered to AMCO's main office.

Items that are submitted without this page will be returned in the manner in which they were received.

Section 1 – Establishment Information

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

Licensee:	Red Run Cannabis Cultivators, LLC	**License Number:**		10052	
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	RED RUN CANNABIS CULTIVATORS, LLC				
Physical Address:	5455 Kenai Spur Highway				
City:	Kenai	**State:**	AK	**Zip Code:**	99611
Designated Licensee:					
Email Address:	eric@trialguy.com				

Section 2 – Attached Items

List all documents, payments, and other items that are being submitted along with this page.

Attached Items:	Form MJ-04 (Cultivator Supplemental)

OFFICE USE ONLY					
Received Date:		Payment Submitted Y/N:		Transaction #:	

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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 the **Marijuana Establishment Operating Plan (Form MJ-01)**, 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 those 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
- Odor control
- Testing procedure and protocols
- Security

This form must be submitted to AMCO's main office before any marijuana cultivation facility license application will be considered complete.

Section 1 – Establishment Information

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

Licensee:	Red Run Cannabis Cultivators, LLC	**License Number:**	10052		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Red Run Cannabis Cultivators, LLC				
Premises Address:	5455 Kenai Spur Highway				
City:	Kenai	**State:**	ALASKA	**ZIP:**	99611

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and be able to answer "Agree" to all items below.

The marijuana cultivation facility will not:	Agree	Disagree
Sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation	■	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on its licenses premises or within 20 feet of the exterior of any building or outdoor cultivation facility	■	☐
Treat or otherwise adulterate marijuna with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana	■	☐

Section 3 – Cultivation Plan

Review the requirements under 3 AAC 306.420, and identify how the proposed premises will meet the listed requirements.

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 Rooms (3)
1. Flower Room = 659 sqft (29'1" x 22'8")

2. Veg Room = 132 sqft (16'6" x 8')

3. Clone Room = 86 sqft (11'2" x 7'10")

TOTAL UNDER CULTIVATION = 877 sqft

*Please also see attached facility diagram.

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

Growing Medium: Growstones mixed with a top layer of Coconut Coir.

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

Red Run Cannabis Cultivators, LLC will be cultivating with growstones as its primary medium. Liquid nutrients will be mixed with water and held in a reservoir, which is then applied daily to each plant via a top-fed drip irrigation system. In addition, each Grow-node in the Flower Room will be its own deep water culture system, a primary air pump will supply air/oxygen to each Grow-node. The specific nutrients and nutrient ratios will vary depending upon Cannabis phenotype and growing phase. Red Run will be using nutrients manufactured by "Earth Juice Hydro-Organics," professional plant food specifically formulated for use with coconut coir based media.

Each cultivation room's (flower, veg and clone) temperature, humidity and CO2 will be continuously monitored and controlled by sensors and a central control unit. CO2 enhancement and air conditioning will be installed by a licensed HVAC engineer. CO2 supplementation will be provided via an injection-based system rather than an open-flame burner system. CO2 will be administered and monitored by a fuzzy-logic micro-controller, which will regulate and monitor CO2 flow. An additional "autopilot" desktop CO2 monitor will be installed to provided redundant monitoring and registering of CO2 levels.

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

Red Run's cultivation facility will utilize a series of Grow-nodes, 4ft x 3ft heavy-duty containers, each housing four (4) mature plants. Each Grow-node is basically its own hydroponic, deep water culture system. Each Grow-node will contain roughly 20 gallons of water, the irrigation system relies on a regulated flow of nutrient solution which is top-fed to the plants. PVC tubing will carry a nutrient-solution directly from a meta-reservoir to individual drip-emitters affixed to each plant's container. In addition, a master air pump will provide air/oxygen to air-stones within each Grow-node. Each Grow-node will be equipped with a run-off drain, any excess run-off solution will be collected and drained into the facilities' sewer system.

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Describe the marijuana cultivation facility's waste disposal arrangements:

WASTE WATER
Cultivation facility is connected to the City of Kenai's water and sewer system.

Discharged water from cultivation activities will be disposed of in compliance with Kenai Municipal Code. (See KMC 13.10.070 - Building and property maintenance)

MARIJUANA PLANT WASTE
All marijuana plant waste will be rendered unusable by wetting and grinding the plant material, then using the Bokashi fermentation process to render the waste into an unusable form, unfit for consumption.

Bokashi-fermenting is a method of rapidly metabolizing all organic waste with naturally occurring soil microbes. It is 10 times faster than composting, produces no greenhouse gases, produces no heat, and takes only 7-days. The pickled waste material is then mixed with soil to return all the nutrients and microbes to the soil and make it productive for an end-user.

All organic waste will rapidly decompose and noxious odors, putrefaction, and gases are eliminated. No insects or rodents are attracted to the end product. The fermenting conditions will kill all seeds and pathogens including E. coli and Salmonella. No methane is produced because the pH shifts to a mildly acidic profile as material is metabolized.

Bokashi culture mix is added to organic waste, the microbes immediately begin to grow causing the material to ferment. The microbes in the Bokashi culture mix come from 3 different groups: Lactobacilli, Fungi/yeast, and phototrophic bacilli. This combination has been proven to rapidly degrade organic waste while suppressing the growth of other potentially dangerous organisms.

Section 4 – Odor Control

Review the requirements under 3 AAC 306.430, and identify how the proposed premises will meet the listed requirement.

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:

Ventilation with Carbon Filtration: The key to odor control is a well-balanced ventilation system, combined with at least an active carbon filter will small pores. The facility will use a "one and done" system that filters the air once on its way out of the building. Fresh air will enter the room from an intake low in the room, where an inline fan will pull cool air in and send it through ducting connected to the light hoods to cool the lights; finally, the air will be pushed outside after going through an active carbon filter which is rechargeable. A pre-filter will be added if odor control is not complete. The carbon filters can be regenerated, and occasionally replaced, to maintain their efficiency.

To the extent necessary - negative ions will be introduced to the grow room. Negative ion generators charge O2 molecules with a loosely attached extra electron; helpfully, terpenes are positively charged and are neutralized when the transfer occurs, resulting in elimination of the smell caused by such terpenes. There is also some suggestion that negative ions have the added benefit of being healthy for the plants' growth (but that would not be the primary reason to add them to the room).

The facility will encourage employees, visitors and customers to report the smell of growing cannabis in the area around the outside of the building in order to keep data about environmental and human-caused possible reasons for odor escaping the grow room. Any complaints from neighbors about odor will cause an inspection of the premises and an attempt to root-out the source and cause of the odor.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the item below.

I understand and agree that:	Agree	Disagree
The board will or the director shall 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	■	☐

Describe the testing procedure and protocols the marijuana cultivation facility will follow:

During the Harvest phase, Red Run will cut down and separate all harvested marijuana into strain-specific harvest batches. A random sample in a quantity required by the marijuana testing facility will be selected from each harvest batch. Red Run's Chief Grower will be the employee designated with the responsibility for collecting each sample. The Chief Grower will prepare a signed statement showing that each sample has been randomly selected for testing and will provide the signed statement to the marijuana testing facility. All signed statements provided to the testing facility will be kept and maintained as a business record.

The testing sample will then be transported to a licensed marijuana testing facility in compliance with 3 AAC 306.750.

While undergoing the testing process, the entire harvest batch from which the testing sample was selected will be segregated and unmolested until the marijuana testing facility reports the results from its test(s). Each sequestered harvest batch being tested will be secured in a cool and dry location until the marijuana testing facility has completed its testing and provided those results, in writing, to our cultivation establishment. Each test result will be kept and maintained as part of our business books and records.

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Section 6 – Security

Review the requirements under 3 AAC 306.430 and 3 AAC 306.470 – 3 AAC 306.475, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the two items below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the packaging of marijuana requirements under 3 AAC 306.470	☒	☐
Read and understands and agrees to the labeling of marijuana requirements under 3 AAC 306.475	☒	☐

Restricted Access Area (3 AAC 306.430):

	Yes	No
Will the marijuana cultivation facility include outdoor production?	☐	☒

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

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Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility:

Red Run's cultivation activities will take place indoors, within a highly-secured and continuously-monitored building. The cultivation facility will not have any windows or access points open to the general public, thereby denying anyone the ability to view the growing marijuana from outside the facility.

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 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 perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Signature of licensee

Marc Thoiler

Printed name

Subscribed and sworn to before me this 13th day of June, 2016.

ASPEN LOVE
My Commission Expires
NOTARY PUBLIC
May 24, 2020
STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: 5/24/2020

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(Additional Space as Needed):