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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:	Nugz, LLC	**MJ License #:**	21086		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Nugz, LLC				
Premises Address:	9331 Glacier Hwy				
City:	Juneau	**State:**	Alaska	**ZIP:**	99801

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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 Nugz 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 andassigned 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 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 pound 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

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;** BK

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** BK

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.** BK

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 premises area under cultivation is broken into flowering areas, cloning/mother areas, and vegetative (aka "greening") areas.

Below is the breakdown:

- On the ground floor the flowering area is 39'10"X60' = 2,346 square feet in area undercultivation.
- On the second floor the cloning/mother room is 6'X20' = 120 square feet in area under cultivation.
-On the second floor the Greening/Vegetative is 20'X8' = 160 square feet in area under cultivation.

Total Area under cultivation: 2,626

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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. BK

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:

Nugz will ensure that marijuana cannot be visible by the public from any door or window to the cultivation areas. The six non opening windows incorporated in overhead doors at the 1O' level will be blacked out making it impossible to gain visual access. All movement/transport of marijuana will be discrete, utilizing the designated door. All growing, processing, curing, packaging and labeling activities will be done inside the facility, not visible from outside. All marijuana will be securely packaged, labeled and organized for transport within the facility before being moved to the transport vehicle. The cultivation area will not be visible by the foyer or office area.

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

Nugz will utilize the following growing mediums: Rock wool, expanded clay pellets, compressed coco fiber, perlite, soil, peat moss, gsi hydro stones.

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:

Neem Oil -
70051-2-39609

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

The following fertilizers will be utilized at the Nugz cultivation facility: General hydroponics "flora" nutrient system series including flora bloom, flora grow,flora micro,kool bloom. Ph up, Ph down to provide PH control. Olivia cloning solution, and root tone for propagation. neem oil and other organic non toxic herbicide, pesticides, and fungicides as needed. This facility will not be using carbon dioxide enhancement.

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

Nugz will be using a recirculating nutrient drip system. Waste water will be disposed of through public waste water treatment system or as per conditional use permit that will be obtained from CBJ planning commission after this application has been deemed complete by AMCO staff.

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. BK

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:

Nugz 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 land 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, AMCO Enforcement, or Director. Marijuana waste will be stored away from all other marijuana in a locked container located in the processing area. All Marijuana and Marijuana plant matter (other than root balls) will be rendered unusable prior to leaving the facility, waste will be stored in a locked waste bin outside the facility then collected by the City of Juneau's waste management team . 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 ype, 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 borough waste station. During ohases of small waste batches,Licensee's or the general manager may dispose of the unusable waste in their outdoor compost. This information will be recorded in the disposal log and securely stored as a business record and be readily 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.	BK

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 and high velocity fans 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. Nugz will take additional odor control measures by utilizing sealed grow rooms. Additionally, employees will be tasked with weekly "smell tests". The "smell test" will consist of the employee walking to each edge of the property line and attempt to smell marijuana.

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.	BK
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.	BK

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

All harvested marijuana will be processed into batches of five (5) pounds. A designated agent from the facility will collect a testing sample at random from each batch. 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. Nugz 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. Nugz 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

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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:

For packages that will not be repackaged and will be sold directly to consumer from a retail establishment, the packages of marijuana will be in packages not exceeding one ounce, it will have a space on the package for the retail establishment to put its own name or logo and license number. The five required warnings will be prominently displayed on the package, along with the testing results of the marijuana. Nugz team will ensure no images that appeal to children shall be on the packages of retail direct consumer sale marijuana packages - and Nugz will either ensure the marijuana is packages in child resistant opaque containers OR will provide a written memo to the retailer (if the packaging is not opaque and child resistant) that a exit package will be necessary before a consumer may leave retail store with purchased marjuana.

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 or Licensee's will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. CONTINUED on last page.

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.

Bryan King
Signature of licensee

Bryan King
Printed name of licensee

STATE OF ALASKA
OFFICIAL SEAL
Kylie Wray
NOTARY PUBLIC
My Commission Expires 8/1/2020

Kylie Wray
Notary Public in and for the State of Alaska

My commission expires: August 1, 2020

Subscribed and sworn to before me this 27th day of March, 2019.

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(Additional Space as Needed):

Continued 8.2:
Nugz will also disclose in writing with shipment all soil/medium amendments, fertilizers used, name of testing lab and results of test, and identify any pesticides, herbicides, and/or fungicides that were used in the cultivating of that marijuana. he 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.

Cultivator: NUGZ, LLC **License No:** 21086
Harvest Batch No: **Package No:**
Gross Weight: **Net Weight:** **Strain:**
Testing Facility: Testing Lab **License No:**
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.

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