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 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:	GRANNYS GREENS, LLC.	**License Number:**	13047		
License Type:	LIMITED MARIJUANA CULTIVATION FACILITY				
Doing Business As:	GRANNYS GREENS, LLC.				
Premises Address:	5930 E. PORCUPINE AVENUE				
City:	WASILLA	**State:**	ALASKA	**ZIP:**	99654

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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:

Total size to be under cultivation is: 378 sq. ft. There are a total of 5 rooms that will be under various stages of cultivation.

- 35' x 4.0' = 140 sq ft.
- 4' x 8.0' = 32 sq ft.
- 6' x 3.0' = 18 sq ft.
- 24' x 4.5' = 108 sq ft.
- 20' x 4.0' = 80 sq ft.

Total Under Cultivation: 378.00 SQ. FT.

The rooms are not separated by actual walls going from floor to ceiling, but the growing areas as defined and outlined on the MJ-04 have portable/movable walls going around them that are 9' in height and surround the designated growing areas under cultivation.

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

Pro Mix HP,
Pearlite,
HydrotenClay Pellets,
White Grow Stone,
Canna Coco,
Redi Grow Coco.
See Ex. A.

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

Plant Marvel 5-50-17,
Plant Marvel 20-20-20
General Hydroponics Ph Up,
Botanica Calmag,
Clonex,
Canna Coco B,
Canna Coco A,
Cannazym,
Rhizotonic,
Hydroguard,
Advanced Nutrients Flawless Finish,
Advanced Nutrients Big Buds,
Advanced Nutrients 3 Part PH Perfect Bloom,
See Ex. A.

CO2 will be utilized. Titan Controls Atlas Three CO2 Controller. CO2 Alarm and digital readout as per PPM. Titan Controls CO2 regulator. Titan Controls CO2 ring system with exhaust fan 1.5 CFM per sq. foot. dedicated exhaust fan.

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

Plants will be watered by means of hand watering, water can, or later by means of a reservoir fed, timer controlled, metered drip emitter style system. The irrigation system to be used in the proposed cultivation facility is designed to minimize waste. All excess run off from plants will be collected in collection containers, reused and any remainder will be allowed to evaporate.

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Describe the marijuana cultivation facility's waste disposal arrangements:

All marijuana waste will be mixed and mulched with household garbage consisting of paper and food products in a 50/50% ratio and made unusable. Once this is done, the mulched material will be reused again in home gardens etc. The Wasilla area landfill is also willing to take the mulched product once the material has been rendered unusable per statute.

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:

Canister style, activated carbon filters will be utilized in conjunction with ducted fans within the proposed cultivation facility to prevent any marijuana odor from being detected by the public. Ozone generators may be utilized if determined necessary near exits to mitigate any unwanted smell from exiting the facility that may/could exist.

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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:

Upon notification that the board or the director require samples for random compliance checks of the proposed facility, a licensee or an authorized agent of the proposed facility will notify an independent testing laboratory (of the states' choice if applicable) to send a representative to collect the required samples. This way, a chain of custody is established, and the possibility of unintentional contamination due to improper sample collection practices is minimized.

All marijuana product batches will be tested for a battery of state required impurities and/or contaminants by a state licensed lab in accordance with 3 AAC 306.455. The facility will collect random samples from homogeneous batches of individual strains of bud or flower in the amount required by the selected testing facility. Harvested marijuana will be segregated in five pound lots. While results are pending, batches will be "quarantined" until it is deemed acceptable by the testing facility.

We will further select homogeneous samples from our cultivation facility for random testing during our growing cycles in order to ensure the highest of quality of standards are met.

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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:

n/a

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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:

The proposed facility is designed to be a completely indoor growing cultivation facility. There will be no direct outside access from the designated growing area. No marijuana will ever be visible to the public.

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.

Michael D. Hubbard
Signature of licensee

Michael D. Hubbard
Printed name

Subscribed and sworn to before me this 7 day of August, 2017.

LANCE C. WELLS NOTARY PUBLIC STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: 6.18.19

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(Additional Space as Needed):

N/A.

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Grannys Greens LLC Nutrient and medium list

Product	Chemicals
Root Riot	Natural Materials
Advanced Nutrients 3 part PH perfect bloom	Total nitrogen 1%, ammonial nitrogen 0.05%, nitrate nitrogen 0.4%, urea nitrogen 0.55%, P2O5 3%, K20 4%, S 2%,
Advanced Nutrients big bud	Available phosphate 4%, solulable potash 4%, calcium 1%, 1% water soluble calcium, magnesium 0.5%water soluble magnesium, sulfer 1%, iron 0.1%, 0.1% chelated iron
Advanced Nutrients flawless finish	magnesium 0.97%, 0.47% other water soluble magnesium, 0.5% chelated magnesium, sulfur 1.3%, 1.3%combined sulfur,
Hydroguard	Bacillus, Amyloliquefaciens .038%, inert 99.962%
RHIZOTONIC	soluble potash 0.6%
Cannazym	phosphate 2%, soluble potash 1%, cellulose 1%
CANNA Coco A	total nitrogen 4%, soluble potash 1%, calcium 4.5%
CANNA Coco B	total nitrogen 1%, available phosphate 4%, soluble potash 2%, magnesium 1.1%, molybdenum 0.001%,
Clonex	Indole-3-butric acid 0.31%, other ingredients 99.69%
Botanica Calmag	nitrogen 2%, calcium 3.2%, magnesium 1.2%, iron 0.1%
General Hydroponics Ph up	phosphoric acid
Pro Mix HP	Canadian sphagnum peat moss 65-75%, pearlite, dolomitic and calcitic limestone, wetting agent, mycorrhizae
Pearlite	100 % natural
Hydroton clay pellets	100% clay pebbles
White grow stone	100% recycled glass
Cana COCO	coconut pith fibers
Redi Grow COCO	Coconut coir, Perlite, Leonardite ore, Earthworm castings, Montmorillonite, Yucca extract
Plant marvel 20-20-20	Total nitrogen 5.00%, 4.50% ammoniacal nitrogen, 0.50 nitrate nitrogen, available phosphate 50.00%, soluble potash 17.00%, boron 0.02%, copper 0.05%, iron 0.10%, 0.10% chelated copper, magnesium 0.05%, molybdenum 0.0005%, zinc 0.05%
Plant marvel 5-50-17	Total nitrogen 20%, 3.98% ammoniacal nitrogen, 5.90% nitrate nitrogen, 10.12% urea nitrogen, available phosphate 20%, soluble potash 20%, boron 0.02%, copper 0.02%, iron 0.05%, magnesium 0.02%, molybdenum 0.0009%, zinc 0.02%

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Ex. A, 1 of 1