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:	50 Shades of Green LLC	**License Number:**	14956		
License Type:	Standard Cultivation Facility				
Doing Business As:	50 Shades of Green LLC				
Premises Address:	14481 W Marginal Access Way				
City:	Houston	**State:**	AK	**ZIP:**	99694

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and b 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 build'ng 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	☒	☐

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Review the requirements under 3 AAC 306.420, and identify how the proposed premises wi l 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:

The cultivation facility measures a total of 23'8" x 43'7" per floor, consisting of three (3) floors: This structure is a concrete block foundation and wood structured building, the three floors in the diagram are labeled basement, level 2 and level 3. The levels are basement, main floor and top floor. The total cultivation space of this facility is 1488.55 sq. ft. Basement floor cultivation space is 840.45 sq. ft. of cultivation space, a 6' x 14'11" utility room and 4'10" x 14'2" storage under the stairwell, both not used for cultivation. The main floor has 474.3 sq. ft. cultivation space with a 20' x 18' entrance/decontamination room attached to the facility. A 11' x 15' nursery, and a 11'11" x 8'4" bathroom. The top floor level three has a processing/trimming room 16'5" x 12'5" with 2 closets measuring 3'9" x 3'8" also located in this room is a safe room 4'4" x 6'6" that will house all products ready for distribution, this room will be locked at all times. A second room 10'8" x 16'4" with 2 closets measuring 3'1" x 3'9" as well as a safe room closet of 2'4" x 6" that will be locked and house all mandatory records in locked file cabinets. This floor also consists of a hallway area/storage 12'8" x 12'9" and a bathroom measuring 6'2" x 10'5". There is no cultivation located on the top/third floor, on the level 2 floor just next to the nursery room is back door/exit and a stair well leading to level 3, this stairwell has a secured door with a key code door handle that only the licensee and the operations manager will have access to. There are fire extinguishers on each level with a hard-wired fire alarm system and carbon monoxide detectors all newly installed and operational. Restricted access signs will be placed on all outer and inner secured doors in plain view. All but one window will be boarded off to obstruct any light and or visibility from inside or outside the facility, the one open window is in the office on level 3. Pages 1-4 are diagrams of the proposed facility and have a key listed to depict all of the areas of the diagrams

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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. [x]

Answer "Yes" or "No" to the following question: Yes No

4.3. Will the marijuana cultivation facility include outdoor production? [ ] [x]

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:

all windows will be covered and blocked off with 2x4 wood framing and plywood from the inside of the facility there will be no visual of the inside of the facility from the outside. along the property lines are trees that block direct view of the structure from the roadway or existing neighbors

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

Please see continued sheet for this answer due to limited space

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

50 Shades of Green LLC will be using vermiculture living soil using our own compost and other amendments as the fertilizer with worm casting tea, which we will not be using any Carbon Dioxide or other gases. No other chemicals or gasses will be used in our cultivation, therefore no delivery system will be required. Our irrigation system consists of fresh air in and used air out through charcoal filters powered with fans for exhaust of any odor or air gasses.

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Question 4.5 continued

Growing Medium to be used:

The 50 Shades of Green LLC cultivation facility, will be using an organic and natural live soil system for our cultivation of marijuana. Our live soil that consists of plants grown in a mixture of possible ingredients coconut coir, pro mix, perlite, lava stones, grow stones, clay stones, vermiculite, rock wool, oasis cubes and rapid rooter plugs. Mineral supplements and organic nutrients will be added based on the stage of plant growth if needed. Our live soil system will consist of plants grown in variant mixtures of the following nutrients:

Dry Nutrients:

alfalfa Meal	Azomite	Bat Guano	Blood Meal
Bone Meal	Feather Meal	Fish Bone Meal	Fish Meal
Fulvic Acid	Humic Acid	Kelp Meal	Langbeanite
Oyster Shell	Rock Phosphate	Seabird Guano	Shrimp Meal
Soy Bean Meal	Organic Nutrient Insect Frass	Worm Castings	Tea/Red Wrigglers
Fish Emulsion/Waste	Organic Molasses	Organic Honey	Organic Aloe
Organic Yucca			

Wet Nutrients: (Also contains beneficial Micro-inoculate with spores from the following)

Azotobacter chroococcum	glomus intraradices	pseudomonas aureofaceans
Bacillus azotoformans	glomus monosporum	pseudomonas fluorescence
Bacillus coagulans	glomus mosseae	rhizopogon amylopogon
Bacillus licheniformis	gigaspora etunicatum	rhizopogon fulvigleba
Bacillus megaterium	gigaspora margarita	rhizopogon luteolus
Bacillus pumilis	laccaria bicolor	rhizopogon villosullus
Bacillus thuringiensis	laccaria laccata	scleroderma cepa
Glomus aggregatum	paraglomus brasilianum	scleroderma citrinum
Glomus clarum	paenibacillus polymyxa	Trichoderma harzianum
Glomus deserticola	pisolithus tinctorius	Trichoderma konigii

Roots Organic Line of Nutrients: Buddha Grow, Buddha Bloom, Trinity Catalyst
Peruvian Gold Line of Nutrients: Golden Nitro, Crescendo
Earth Juice Nutrients: ph up, ph down
General Organics Nutrients: Grow, Bloom, Catalyst, Cal/Mag
Mammoth P Microbes
Extreme Gardening: Mykos Azos Mycorrhizal Inoculant, Mykos Microbes/Mycorrhizal Inoculant

Insect, fungus natural repellents:
Nuke Em Flying Skull Organic Insecticide and Fungicide
Essential Oils for Natural Insecticide and Fungicide:
Peppermint, Eucalyptus, Cinnamon, Pine, Tea Tree, Orange, Lemon, Mint

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Describe the marijuana cultivation facility's waste disposal arrangements:

Three days prior to disposal of marijuana waste if any would be some but not limited to or including: roots, stalks, leaves, stems and expired or returned marijuana samples, 50 Shades of Green, LLC will notify the state via the inventory tracking system in compliance with 3 AAC 306.740. Waste disposal will be conducted in a restricted access area and in full view of camera surveillance. The proposed plan for disposal is to also sale to Manufacturing Facilities for the purpose of processing all stalks and stems into heating pellets for the heating of residential homes and or commercial structures at an affordable cost. all leafage and cuttings will be sold per state of Alaska regulations in full view of camera surveillance and at cost for the processing of concentrates for all types of use. All other waste will be cut up and used as living soil compost for our garden. Records will be updated in METRC as to final destination of the waste

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:

Due to our location we do not anticipate complaints about odor from the public, there is adequate and thick tree coverage between existing properties. However, a commercial exhaust system will be in place and have an extremely well made "active carbon filter" installed to the ventilation piping to filter the air prior to the air leaving the building through each level of the facility.

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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:

Samples will be taken from each individual batch. Each batch of individual strains of bud and flower; and leaves, a designated employee of 50 Shades of Green, LLC, and the designated employee will be required to sign a statement or affidavit showing the sample is randomly selected and true. The employee will transport the sample to the testing facility's licensed premises in compliance with 3 AAC 306.750, with the signed statement. A copy of the statement will be kept as a permanent business record for the marijuana cultivation facility. The entire batch from which the sample was taken will be kept in a locked, secure, cool and dry storage area so as to protect the batch from contamination or loss of efficacy until the marijuana cultivation facility has received a report of the results from the tests by the marijuana testing facility. The results of the testing will be kept as a permanent record with the marijuana cultivation facility. The 50 Shades of Green, LLC will not sell or transport until all the testing required by 3 AAC 306.645 has been complete in compliance with 3 AAC 306.455 and 3 AAC 306.465. It is understood that the AMCO reserves the right to appoint a marijuana testing facility to conduct random soil, fertilizers, pesticides, etc. 50 Shades of Green, LLC will cooperate with the testing facility appointed and will cover all costs of the testing per 3 AAC 306. 465.

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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:

This property has a restricted view by the public. It is due to the surrounding tree line in front of the property, along the highway, and down the lines of each of the left and right sides of the property spanning the entire length of the property. The highway access and view are heavily forested behind property lines. All existing windows at the facility will be closed off and boarded on the second or main level of the facility. The third and upper management floor will have a minimum of light blocking shades and alarms on all windows making the interior invisible to public view.

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.

Gabrielle Peterson-Christensen
Signature of licensee

Gabrielle Peterson-Christensen
Printed name

Subscribed and sworn to before me this 17 day of November, 20 17.

OFFICIAL SEAL
Tawnya M. McCracken
Notary Public-State of Alaska
My Comm. Expires 11/15/2020

Tawnya M McCracken
Notary Public in and for the State of Alaska.

My commission expires: 11/15/2020

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50 SHADES OF GREEN, LLC

LICENSE #: _____

HARVEST BATCH #: _____

Harvest Batch #: _____

Net Weight: _____

Strain Name: _____

Soil Amendments Added: _____

Licensed Marijuana Testing Facility: _____

(As required by 3 AAC 306.645)

THC %: _____ to _____

CBD %: _____ to _____

Microbial Testing Results: _____

Residual Solvent Results: _____

Contaminant Results: _____

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 is 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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