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:	SP&C Enterprises LLC	**License Number:**	10112		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Great Alaskan Bud Company				
Premises Address:	1905 Livengood Ave.				
City:	Fairbanks	**State:**	ALASKA	**ZIP:**	99701

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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:

For our cultivation facility area we have 5 primary spaces each contained within the same contiguous area/space under one roof with an overall potential cultivation space of 4450Sq' and a net cultivation space of 3927Sq' .

Cloning/ Nursery	492Sq'	41'X12' Rectangular
Veg./ Flower Area	752Sq'	6'X10'X52'X12'X10'X18'
Budding Room 1	928Sq'	52'X16'X60'X8'X12'
Budding Room 2	904Sq'	40'X25'X24'X6'X16'X19'
Budding Room 3	851Sq'	23'X37' Rectangular
Total Cultivation	3927Sq'	

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

Mainly a soil based grow operation utilizing soils composed of (but not limited to) Peat, Perlite, Sphagnum moss, Dolomite, vermiculite, Rock-wool, clay pellets, hydroton, coconut fiber/coir.

We may utilize Hydroponic/ Aeroponic Technologies i.e. Nutrient Solution, Nutrient Film Technique (NFT), using Electrical Conductivity (EC) monitoring for nutrients. These media would be used mainly for specialty output activities such as cloning and propagation of new varietals, and custom grows as we utilize any newly developed horticultural technologies that emerge, such as vertical and horizontal growing techniques.

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

Fertilizers:
General Hydroponics. Our management solution is GH Flora Series, and adjuncts. Flora Series is the original three-part nutrient based system.
GH quality control makes it the cleanest agricultural grade fertilizer for cultivation, and is the most-used production nutrient today.

Bone Meal:
Phosphorus, Calcium

Blood Meal:
Nitrogen, Ammonia

Potash in it's traditional forms
potassium carbonate, K_2CO_3, potassium chloride (KCl), potassium sulfate (K_2SO_4) or potassium nitrate (KNO_3).

Chemicals:
Salt Peter $Ca(NO_3)_2$, Epsom Salt, $MgSO_4$, Hydrogen Peroxide, H_2O_2

Gases:
Carbon Dioxide, CO_2 (tanked).

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

The marijuana cultivation facility's irrigation and waste water systems to be used are mainly drip irrigation to be contained in smart pots limiting any excess water usage loss to near zero. Basically in this system water is inside a closed system and is not waste product, and water from limited hydroponic/ aeroponic cultivations for specialty grows and/or cloning/ propagation purposes will be remediated by using chelating techniques before being stored for pick or

Over time, every cultivation system can develop fertilizer residue as a natural part of the growing process. This accumulation can result in excess salts that will eventually become toxic, Flora-Kleen, specifically designed to dissolve fertilizer salts in our solution using chelating agents and flush excess residue, but also releases nutrient locked up between plants and the system. This connection helps plants make the most of remaining fertilizers in the water.

Moreover, if allowed we would have Bio/Eco- friendly growing containers in which plants that we "don't care for" can be grown. For example, hydroponic growing containers in which low nutrient requirement" type of plants are grown. This way when our hydroponic crop has a solution it can no longer use, we place that solution into our other hydroponic container and leave the solution for those plants to take care off for two months. Once this happens, the solution should be very depleted of nutrients and can be disposed of by re-hydrating cleansed/dried recycled/used soil media using Flora-Kleen and allowed to dry.

Any and all other unusable waste water will be collected in an approved container in order to have it prepared for pick up or disposal using Borough approved waste water depose sites. All disposal will be recorded in a log book with all relevant documentation.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Any (non)organic waste that has ground MJ material that is not suitable for these purposes will be delivered to a suitable Borough approved landfill/ waste management site and logged as disposed of with a log of the date time and location as well as details to the materials being disposed of.

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:

Having a scientific degree in Bio-Horticultaral sciences I have designed, managed, and operated many laboratory arboretum facilities and environments. Maintaining semi-closed gaseous environmentally controlled systems has many benefits. These systems are surgically clean and closed to uncontrolled outside environmental factors. This being said the closed system is designed to satisfy the requirement of incoming air quality control and management of internal air quality automatically removes the possibility of internal oder from being detected outdoors,even though air is being brought in, the management of air is a air quality controlled process until scrubbed/cleansed air + heat is expelled out of the building through yet another exhaust scrubber and/or UV sanitizer.

All areas of the cultivation facility will use carbon based air scrubbers both between and among the rooms as well as any air being exhausted out of the facility being scrubbed again further by in-line Carbon cored filters. This filtration requires high volume blowers to move the air and silencers to break the sound of the powerful air movers.

Since the air scrubbers are removing oder and particulates out of the air at least 7 times per hour (about every nine minutes), 24 hours daily. Thus there is no odor buildup to detectable levels as the odor particulates are being removed as fast as they are occurring.

Moreover, there are two central air handlers, temperature controlled fans and (de)humidifiers which are used in order to maintain air temperature and moisture, which helps in the collection and management of air contaminates.

These techniques of indoor horticulture and maintaining a semi-closed environmental loop in which the atmospheric gases vapors and confluents are held at precise levels. Thus, the conditions of an indoor cultivation facility overall helps in keeping odors from escaping and being detected outside 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:

GABCO uses a series of industry Rapid Test Kits for detecting various contaminants in order to keep Quality Control in check. In high volume production environments horticultural facilities must test daily weekly and monthly for multiple components in order to maintain a high standard of laboratory cleanliness and non-contamination.

Daily:
Water, soils and nutrient solutions are tested, monitored, and logged, on a daily basis for pH, fertilizer concentrations, salts, dissolved Oxygen and other gases.

Weekly:
Inspections Tests for fungal agents, mold, bacteria, and insects/eggs, on plants and beds.

Monthly:
Cultivation Floors walls and vents inspected and tested for fungal agents, mold, bacteria, and insects/eggs, on plants and beds.

Every MJ cultivation batch:
Each batch ishas been tested for x-y-z and also tested for various THC's and CBD's as well. Randomly tested batches for these factors insures that the over all quality is maintained to its highest degree. Moreover, consistent timely testing prevents problems or errors from multiplying ultimately deteriorating the product qualityeven to the point of having to be destroyed.

MJ Harvest:
Cutting and curing processes can also cause issues, it is imperative that tests for fungal agents, mold, bacteria, and insects/eggs, continues even here until the product is processed/ packaged/ or put into long term storage to prevent spoilage or damage of materials.

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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:

We ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility.

Cultivation areas have no windows.

Cultivation is located in the interior back of the building with no widows. Access to cultivation areas is 3 doors deep with security and locks on each door with video surveillance stored 60 days.

Restricted Access:
Moreover, we have fencing and gates to keep random public approach, all exterior and interior entrances are locked secured 24hr/ day. We also actively use live on-site monitoring via video surveillance and door sensors as well as motion detectors.

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.

S Coyle
Signature of licensee

Shawn Coyle
Printed name

Subscribed and sworn to before me this 1ST day of JUNE, 20 16.

NOTARY PUBLIC
M. BURNELL
STATE OF ALASKA
My commission Expires December 7, 20____

M. Burnell
Notary Public in and for the State of Alaska.

My commission expires: 12/7/17

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(Additional Space as Needed):