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:** | Axion Enterprises, LLC | **License Number:** | 12770 | | |
| **License Type:** | Standard Marijuana Cultivation Facility | | | | |
| **Doing Business As:** | Secret Garden Cannabis | | | | |
| **Premises Address:** | 726 E 15th Ave, Suite 3 | | | | |
| **City:** | Anchorage | **State:** | ALASKA | **ZIP:** | 99501 |

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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:**

The first floor of the cultivation area is approximately 8,279 square feet and the second floor of the cultivation area is approximately 8,397 square feet.
Mother room 1 = 266 square feet
Mother room 2 = 411 square feet
Clone room = 271 square feet
Vegetation room = 559 square feet
Flower room 1 = 792 square feet
Flower room 2 = 788 square feet
Flower room 3 = 837 square feet
Flower room 4 = 768 square feet

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

Secret Garden Cannabis will utilize the following growing mediums:
- water
- air
- soil
- coco
- expanded clay
- rock wool
- expanded mica
- pumice
- coconut fiber
- vermiculite peat moss
- gravel

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

Secret Garden Cannabis will utilize the following fertilizers, chemicals and gases:
- Advanced Nutrients full hydroponic line
- Botanicare Nutrients
- Nature's Nectar Nutrients
- Earthjuice Microblast
- Epsom salt
- Heavy 16 foliar nutrients
- H202
- Photosynthesis plus nutrients
- Clonex brand cloning gel, power and solution
- Mills Vitalize
- Spinosad
- Azamax
- 300 cu ft lab grade argon > 99.9% purity
- CO2
-> Earth juice nutrient line
> Roots organics nutrients and soil
> Humboldt nutrient line
> Mills nutrient line
> Vegamatrix nutrient line
> Raw nutrient line
> Nectar of the gods nutrient line
> Vertigro nutrient line
> House and garden nutrients
> Nova green nutrient line
> Safer products
> Dutch master nutrient line
> Rock resonator
> Bud doctor ( foliage spray )
> Green bicycles compost mix

*See page 8 for complete list

**CO2 delivery system:** direct injection in HVAC circuit - max CO2 storage = 35lbs per enclosure.
** **CO2 MANAGEMENT PLAN:** CO2 will be stored in commercial grade tanks and all employees will be thoroughly trained on the regulator system - CO2 emission levels shall be checked in each room to ensure the proper amounts of Co2 are being utilized. Weekly checks of the Co2 tanks and regulator will be performed. Management shall work closely with the Engineering Team and the muni Fire Marshal to ensure approval of system and compliance with the 2012 IBC.

**Nutrient delivery systems:**

*Rockwool - nutrients added to top drip irrigation
* Deep Water Culture - plant roots suspended in an enclosed chamber with nutrient solution
* Nutrient Film Technique - a shallow stream of water containing dissolved nutrients recirculated past bare roots in a sealed watertight gully
* Aeroponics - highly oxygenated nutrient solution sprayed as a fine mist
* Ebb and Flow - a pump floods the plant's medium with nutrient solution

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

Watering of plants will be accomplished using multiple methods.

1/4 inch irrigation feed lines will be supplied by a master reservoir to an individual drop manifold. Manual watering will also be done when necessary by a watering wand connected to a pump inside a nutrient reservoir via PVC line.

*Rockwool - top drip irrigation
* Deep Water Culture - plant roots suspended in an enclosed chamber with nutrient solution
* Nutrient Film Technique - a shallow stream of water containing dissolved nutrients recirculated past bare roots in a sealed watertight gully
* Ebb and Flow - a pump floods the plant's medium with water and nutrient solution

Wastewater runoff or excess nutrient solution will be collected in a wastewater tank and disposed of through a secured drain connected to the city sewage line. The plumbing will be built in such a way that each table's waste water is transferred to a waste water collection reservoir by pump.

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**Describe the marijuana cultivation facility's waste disposal arrangements:**

The company has a disposal plan for marijuana waste. The facility 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 and plant material and trimmings; (3) run off water from cultivation and processing; and (4) any other materials or containers in contact with marijuana products that risk contamination. Marijuana waste will be stored away from all other products in a locked container inside the facility, and will be rendered unusable prior to leaving the facility for disposal. A notice will be sent to AMCO enforcement not later than three days prior to rendering waste unusable. Marijuana waste will be rendered unusable by grinding the materials and mixing with other compostable and non-compostable material 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 type, date of disposal, date it was rendered unusable, and final destination. The final mixture will be moved to the secured, enclosed dumpster outside the facility using opaque coverings in a cart with secured compartments. A waste truck will collect the waste mixture and dispose of it at the muni waste station. Only authorized personnel will have access to the keys that unlock the secured dumpster. This information will be recorded in the disposal log and securely stored as a business record, available to the MCB upon request. The manager will notify AMCO enforcement three days before disposing of marijuana 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:**

Commercial grade activated carbon filters 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. In addition, once every week one employee will be tasked with going to each property line of the property to conduct a "smell test". The "smell test" will consist of the employee walking to each edge of the property line and will attempt to smell marijuana from the edge of the property line. If marijuana smell is present at the edge of property line - the facility will replace the charcoal filters (if necessary) or install additional smell controls.

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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:**

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. The facility 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. Secret Garden Cannabis 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 such requests.

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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:**

Secret Garden Cannabis will ensure that cultivation areas and storage areas are not visible by the public from any entrance or window to the facility. All growing, processing, curing, packaging and labeling activities will take place inside the facility. Any marijuana that is transported to another licensed facility will be packaged in opaque packaging and moved to the transport vehicle in a discreet manner. Any vehicles used by the facility to transport marijuana will be unmarked to give no indication that marijuana is being transported.

**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.

James M. Thornton

Signature of licensee

James M.P. Thornton

Printed name

Subscribed and sworn to before me this 12 day of May, 20 17.

CHRISTINA THIBODEAUX
Notary Public
State of Alaska
My Commission Expires Mar 31, 2021

Christina Thibodeaux

Notary Public in and for the State of Alaska.

My commission expires: March 31, 2021

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**(Additional Space as Needed):**

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- Botanicare Nutrients
- Nature's Nectar Nutrients
- Earthjuice Microblast
- Epsom salt
- H202
- Photosynthesis plus nutrients
- Clonex brand cloning gel, power and solution
- Mills Vitalize
- Spinosad
- Azamax
- 300 cu ft lab grade argon > 99.9% purity
- CO2

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> House and garden nutrients
> Nova green nutrient line
> Safer products
> Dutch master nutrient line
> Rock resonator
> Bud doctor ( foliage spray )
> Green bicycles compost mix
> Bio ag ( humid/fulvic) foliar
> Super thrive
> Cha ching bloom booster

-Npk industries cleaning line
-Pt pro control fogger
-Gh nutrient line
-Growth science nutrient line
-Humboldt counties own nutrient line
-Heavy 16 nutrient line
-Canna nutrient line
-Bio biz nutrient line
-Myco fusion beneficial bacteria line
-Ogt Sonoma country beneficial bacteria line
-Rhizoflora guard and spray
-Physan 20 cleaner
-Perma guard diatomaceous earth anti-caking agent
-Fox farm soil mixes