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:	Turnagain Horticulture Company	**License Number:**	12817		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Turnagain Horticulture Company				
Premises Address:	524 E 48th Ave, Unit 2				
City:	Anchorage	**State:**	ALASKA	**ZIP:**	99503

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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:

Turnagain Horticulture Company will have multiple rooms under cultivation.

[room name] = [dimensions] = [total square footage for the room]

clone + seedlings = 71' x 11' = 781 sq ft

mothers = 71' x 11' = 781 sq ft

veg = 66' x 47' ((less 11' x 22')x2) = 2,618 sq ft

flower = 58' x 49' (less 11' x 23') = 4,047 sq ft

dry = ((54' x 27) + (54' x 18')) = 972 sq ft

Total square footage within facility that we will have under cultivation is 9,199 sq ft.

Site plan included with this application offers additional measurements of the facility.

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

The Turnagain Horticulture Company will create and utilize our own "living dirt." This dirt will contain some or all of the following ingredients: alfalfa meal, azomite, bat guano, blood meal, bone meal, bokashi, vitamin B, bacillus, bio char, cotton seed meal, crab meal, crustacean meal, coconut, dolomite prilled lime/sweet lime, earthworm castings, bus blend cow manure, buffalo manure, feather meal, fishbone meal, fish hydrolysis, granular humic acid, green sand, glacier rock dust, guano, gypsum, kelp meal, langbeinite, mammoth mineral complex, mikes, neem seed meal, neptunes, oyster shell, OG vegan tea, Phosphate, phosphorus, pumice, seabird guano, shrimp meal, salmon meal, soil alive, peet, compost, humus, shrimp cocktail, soybean meal, shale, thrichaderma, vermaculture, vermacrop, vermiculite, yucca, rice hull, perlite, beneficial bacteria, fungi, microbes, molasses. The Turnagain Horticulture Company will also use these mixes: acid mix(naturally derived ph stabilzer), biofish, biolive, bioturf, citrus mix, rose flower, starter mix, tree and shrub mix, vegan mix, agmino, granular ends myco, root growth enhancer, root zone myco.

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

We will not use fertilizers. Our living dirt will have all the nutrients our plants need available to them whenever needed. The living dirt makes it possible to avoid using fertilizers and pesticides. We will be using a CO2 enrichment system in our flower room during the last few weeks of the plants life. The CO2 system will be administered by a network of hoses attached to our rolling plant trays/tables, this network will resemble the water system as it is laid out.

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

Our irrigation system will include two 500-gallon holding tanks, a Reverse Osmosis system, heavy duty irrigation pump (90gpm) and water aerator. Once water is run through RO system we will then aerate the water to get rid of chlorine and fluoride, then add any pH stabilizers (fresh lemon, lime or other citrus) to create water unique for the needs of the marijuana plants. We will heat the water by using a drop-in heating element to 68*F, if needed. This system will be positioned over the rolling plant trays and will have a removable flex hose attached to each tray. We will be able to control which section is getting water through the use of shut off valves. We don't anticipate much waste water, we will utilize a slow drip system for each row of plants,ensuring that there isn't over watering. Each rolling plant tray is equipped with a drain valve so that waste water can easily be collected in a mop.

bucket.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Being a Standard Marijuana Cultivation facility, we will notify the board at least three days prior to rendering marijuana waste unusable and disposing of it. We will store all marijuana waste within our secure storage area located in the south-east corner of our premises. This area is monitored and rerecorded within our CCTV system.

We will grind all solid product material and mix it with soil or ground organic/ non-organic material so that no more than 50 percent of the end product is marijuana product. Liquids will be mixed with soil or ground organic/non-organic material so that no more than 50 percent of the end product is marijuana product. We will ensure that all waste is rendered unusable for any purpose for which it was grown or produced. We will then dispose the waste into our locked dumpster on the north side of our building. This locked dumpster will be shared with the other two licensed facilities located on-site, Turnagain Manufacturing Company and AK Provisions Corporation DBA Turnagain Herb Company. Waste for all three entities will be stored within the licensed premise that created said waste. Waste from all three entities will share the same locked dumpster located to the northwest of our builidng. Waste records will include the location of the final place of disposal for said 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:

We will utilize the addition of CO2 for our plants. As such, our HVAC system will be a closed loop system, featuring intake only service as needed, so as to not constantly purge our CO2. Our HVAC and odor control solution utilize carbon filters and will ensure that we remain complaint in regards to the odor of marijuana, or lack thereof, pursuant to 3 AAC 306.430 (c)(2).

Our Site Plan / Floor Plan attached to this application clearly denotes the setup and layout of the HVAC system designed by RSA Engineering. In addition to this system, the physical layout of the facility will help to stymie any excessive odor for escaping our facility. The only direct access to the cultivation floor(s) are emergency exits. Individuals will need to access the cultivation floor(s) only after they have processed themselves through the facility's "Clean Room". The Clean Room is where an individual changes the outer layers of their clothing, including their shoes, prior to entering the cultivation facility grow areas. Said Clean Room is clearly denoted on our Site Plan and is accessible only after the individual has entered the facility through the employee entrance on the north side of the building and traveled through the interior hallways of the facility. Air handling throughout the entire facility will help stymie excessive odor from escaping the company's 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:

After harvest and prior to sale we will have our marijuana tested by a third party testing facility.

We will package the necessary amounts as required by the testing facility, document this in-house as well as within the METRC system. We will generate a transport manifest, secure the product within the vehicle and drive it to the testing facility where we will then show the necessary paperwork and finalize the transfer of the product to the testing facility.

While our cultivation facility waits to hear the results of the sample testing, Turnagain Horticulture Company will keep the entire harvest batch segregated from the rest of the company's operations.

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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 Turnagain Horticulture Company is housed in a facility that features concrete exterior walls and is secured with compliant locks. We have two exterior windows; we will obstruct all views of the interior of our facility so that anyone trying to look in is unable to succeed. All exterior windows, if left open for an outsider to look through, would only allow the outsider to see a hallway wall or dirt (dirt storage). Again, we will obstruct visibility at all times through these windows.

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.

_____
Signature of licensee

Seth Molen
_____
Printed name

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

_____
Notary Public in and for the State of Alaska.

My commission expires: _____

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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:

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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.

Signature of licensee

Seth Moden
Printed name

Subscribed and sworn to before me this 31 day of August, 2017.

"Official Seal"
Notary Public
B. Orloff
State Of Alaska
Commission #150819001 Expires 08/19/2019

Notary Public in and for the State of Alaska.

My commission expires: 08/19/2019

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(Additional Space as Needed): ***top:** sample label **bottom:** testing results

Label includes the following:

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.

Soil amendments used during the production of this harvest include: top soil, peat and humus. Turnagain Horticulture Company did not use any pesticides, fungicides or herbicides throughout the course of the cultivation of this harvest batch of marijuana.

This harvest batch of marijuana was tested by ABC Labs in Anchorage Alaska. Microbial test results are as follows: none present. Residual solvent test results are as follows: none present. Mold, mildew and filth test results are as follows: none present.

License No. 12817

This marijuana product has been tested by ABC Labs, Inc Anchorage Alaska. Test results are as follows: THC: 35%, THCA: 20%, CBD:0.2%, CBDA:0.82%, CBN:0.19%. Microbial level testing of the following and their results: Shiga-toxin: acceptable, Salmonella: acceptable, Aspergillus (fumigatus, flavus, niger): acceptable. Residual solvent testing results: Butanes: none, Heptanes: none, Benzene: none, Toluene: none, Hexane: none.

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