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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

Why is this form needed?

This operating plan supplemental form is required for all applicants seeking a marijuana product manufacturing facility license and must accompany **Form MJ-01: Marijuana Establishment Operating Plan**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 5** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of the statutes and 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 306.520(3).

What additional information is required for cultivation facilities?

Applicants must identify how the proposed establishment will comply with applicable regulations regarding the following:

- Equipment, compounds, and processes to be used
- Waste disposal
- Testing procedure and protocols
- Proposed marijuana concentrates and marijuana products
- Proposed product packaging and sample labels
- Prohibitions

This form must be completed and submitted to AMCO's Anchorage office before any new or transfer application for a marijuana product manufacturing facility or marijuana concentrate manufacturing facility license will be considered complete.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Cold Creek Extracts LLC	**MJ License #:**	15594		
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	Cold Creek Extracts				
Premises Address:	12642 W Westen Drive, Unit B				
City:	Houston	**State:**	Alaska	**ZIP:**	99694

Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the intake, flow, and transfer of marijuana, marijuana concentrate, and marijuana product at and from your premises:

Operations at this marijuana product manufacturing facility in Houston will be very similar, if not identical to, operations at Cold Creek Extract's existing facility in Anchorage. No major changes are intended as part of this transfer of license location, except that this facility will be housed in the same building as Cold Creek's cultivation facility (License #28795).

Marijuana biomass will be transferred into the product manufacturing facility from the co-located cultivation facility or from other licensed cultivators. All transfers will be recorded in METRC and conducted per AMCO regulations. Marijuana biomass received at the facility will be prepared for extraction via various approved methods. The resulting marijuana concentrate will then either be packaged for sale to a marijuana retail store or incorporated into the production of an approved marijuana product. Such products will then also be packaged for sale to a marijuana retail store. Concentrate and products will then be transported to a licensed marijuana retail store, and such transportation and transfer will be tracked in Metrc and per AMCO regulations. Marijuana biomass left over from the extraction process will then be wasted and recorded according to an approved waste procedure.

Section 3 – Equipment and Compounds to be Used

Review the requirements under 3 AAC 306.555.

3.1. Describe the equipment and solvents, gases, chemicals, and other compounds the marijuana product manufacturing facility will use to create marijuana concentrates:

-Pressure-less, Closed Loop Ethanol Extractor (utilizing grain alcohol as the solvent).
-Rotary Evaporator ("Rotovap"): Boils ethanol under vacuum pressure to separate the ethanol from concentrate containing ethanol. The ethanol is re-condensed into liquid, collected and recycled into the system.
-Fractional Short Path Distillation: Further refines crude marijuana extract by selective evaporation and condensation.
-Vacuum Oven: Crude Extract from the rotary evaporator can be further purged of any remaining ethanol, to create a Shatter or Wax type extract.
-Rosin Press (solvent-free or mechanical extraction method): Utilizing heated plates and hydraulic pressure to extract oils from flower, bubble hash, or dry sift.
-Ice Extract Bags: Varying size micron size screens are utilized to separate the glandular trichomes from the cannabis plant, utilizing ice and water.
-Portable Washing Machine: marijuana and ice are placed in a mesh bag inside the washing machine. The washing machine agitation separates trichomes from the plant material, the water is then drained and strained to capture all the trichomes.
-Ultra Sonic Emulsifier: Will be used to emulsify marijuana extract into MCT oil. This emulsifier will also be used to nucleate extract to create a Sugar Wax product.
-Warming plate with magnetic mixer: used to warm carrier oil or extract prior to infusion with the ultrasonic emulsifier.
-A10 Filler Machine: used to "inject" concentrate into delivery devices such as filling vape pen cartridges and distillate syringes.
-Manual calibrated / incremented pipette will be used to fill Full Spectrum CannaCaps.
-RoboLQ Capsule Filling Machine: Machine will eventually replace manual calibration and will be used to fill Full Spectrum CannaCaps.
[Cont. on pg. 8.]

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Section 4 – Waste Disposal

Review the requirements under 3 AAC 306.740.

4.1. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including expired or outdated marijuana or marijuana product, in compliance with any applicable laws. Include details about the material(s) you will mix with ground marijuana waste and the processes that you will use to make the marijuana waste unusable for any purpose for which it was grown or produced:

Cold Creek Extracts will abide by all local, state, and federal regulations in storing, managing, and disposing of any solid or liquid waste, including wastewater. Marijuana waste will be ground and mixed with a 1:1 ratio of spent coffee grounds, soil, or other compostable or non-compostable material, so as to be rendered unusable, as described in more detail below. Other solid waste generated by this facility may include office/ paper and food waste. Non-marijuana solid waste will be stored in designated areas of the facility, bagged and then transported to a trash collection/recycling facility or disposed of as part of regular trash/recycling collection pick-up at the location. Liquid waste may include wastewater and liquid waste from the ice water hash extraction process. Such liquids will be disposed of by via sink drain. Mesh screen filters will be used with the sink to filter out any possible contaminants.

All post-extraction marijuana will already be ground up as a result of the extraction process (marijuana will be ground prior to beginning the extraction process). Post-extraction, the spent, finely ground up marijuana material will be placed in a 50gal tote located in a designated locked waste cabinet. On a weekly or bi-weekly basis (or more frequently if necessary), staff will notify Enforcement and AMCO via email at least three days prior to rendering waste unusable. The spent marijuana material will be mixed with equal parts of other material to render it unusable, as described in a previous section (intended material for mixing is spent coffee grounds or top soil). After mixing, the marijuana is rendered unusable and will be transfered in totes lined with large contractor grade trash bags and disposed of at a disposal facility. A record will be maintained of where each shipment of marijuana waste is taken for disposal.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.520 and 3 AAC 306.550.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

5.1. I will ensure that any individual responsible for collecting random samples for required laboratory testing under 3 AAC 306.550 will prepare the necessary accompanying signed statement, provide the signed statement to the marijuana testing facility, and maintain a copy as a business record under 3 AAC 306.755. CA

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

5.2. Will the marijuana product manufacturing facility be performing in-house testing (as defined under 3 AAC 306.990(b)(20)? ☐ ☑

If "Yes" to 5.2, you must be able to certify the statement below. Read the following and then sign your initials in the box: Initials

5.3. The area where in-house testing will occur is clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application. ☐

5.4. Describe the testing procedures and protocols the marijuana product manufacturing facility will follow:

A random sample of each production lot of finished product will be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer, per 3 AAC 306.550.

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Section 6 – Proposed Marijuana Concentrates and Marijuana Products

Review the requirements under 3 AAC 306.520, 3 AAC 306.525, and 3 AAC 306.560.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:			
Product Type: Choose one.	Marijuana Concentrate		
Perishable: Yes/No	Yes	**Shelf Life:** If perishable.	
Intended Use: Smokable/ edible/topical/wholesale/etc.			

Product Description: Details must include the color, shape, and texture.	With this application the Licensee requests approval to produce all concentrates and products previously approved for production at its existing facility, Cold Creek Extracts License #15594. The Licensee also incorporates all pending applications for marijuana products submitted on behalf of License #15594.
Ingredients: If a hemp derived product/CBD is an ingredient, what is the quantity and you must provide the SOA Department of Agriculture's registration number.	
Flavors: List all current and potential future flavors:	
Standard Production Procedure and Detailed Manufacturing Process:	
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	AMCO JUN 26 2023

Section 7 – Proposed Product Packaging and Sample Labels

Review the requirements under 3 AAC 306.520, 3 AAC 306.565, and 3 AAC 306.570.

Attach a completed copy of this page for each proposed marijuana concentrate or marijuana product.

Product Name:	
Product Type:	
Packaging Description: Details must include the color(s), size, packaging materials used, total amount of THC, individual serving sizes (if multiple), and other specifics showing compliance with 3 AAC 306.565. Please include photos, drawings, or graphic representations.	With this application the Licensee requests approval to produce all concentrates and products previously approved for production at its existing facility, Cold Creek Extracts License #15594. The Licensee also incorporates all pending applications for marijuana products submitted on behalf of License #15594.
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	AMCO JUN 26 2023

Section 8 – Prohibitions

Review the requirements under 3 AAC 306.510.

8.1. I certify that the marijuana product manufacturing facility will not: Initials

a. **Sell, deliver, distribute, or transfer any marijuana, marijuana concentrate, or marijuana product directly to a consumer, with or without compensation;** C.I

b. **Allow any person, including a licensee, employee, or agent, to consume marijuana, marijuana concentrate, or marijuana product on the licensed premises; or** C.I

c. **Manufacture or sell any product that is an adulterated food or drink, closely resembles a familiar food or drink item including candy, or is packaged to look like candy, or in bright colors or with cartoon characters or other pictures or images that would appeal to children.** C.I

I hereby certify that I am the person herein named and subscribing to this application and that I have read the complete application, and I know the full content thereof. I declare that all of the information contained herein, and evidence or other documents submitted are true and correct. I understand that any falsification or misrepresentation of any item or response in this application, or any attachment, or documents to support this application, is sufficient grounds for denying or revoking a license/permit. I further understand that it is a Class A misdemeanor under Alaska Statute 11.56.210 to falsify an application and commit the crime of unsworn falsification. C.I

Case Inscho

Printed name of licensee

Signature of licensee

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(Additional Space as Needed):

Cont. Section 3.1:
-Scientific Freeze Dryer: Used to purge water from ice water hash. Also will be utilized to remove the water
from properly processed ethanol hash oil.
List of gases, chemicals, or other compounds:
-200 proof organic Ethanol (used for solvent-based extraction)
-MCT Oil (Medium Chain Triglyceride Oil, derived from
Coconut Oil)
-Ice and water (used for mechanical extraction)
-Dry ice (for winterization & cold trapping volatile compounds)
-Naturally-derived terpenes (Flavor Additive)

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