THE STATE of ALASKA
GOVERNOR MICHAEL J. DUNLEAVY

Department of Commerce, Community, and Economic Development

ALCOHOL & MARIJUANA CONTROL OFFICE

550 West Seventh Avenue, Suite 1600
Anchorage, AK 99501
Main: 907.269.0350

MEMORANDUM

TO: Chair and Members of the Board

DATE: February 6, 2019

FROM: Erika McConnell
Director, Marijuana Control Board

RE: Cold Creek Extracts #15594

Cold Creek Extracts, a marijuana product manufacturing facility, is requesting approval of amendment(s) to one its operating plan. Attached is MJ-15 Operating Plan Change application, and current approved MJ-05.

In this same packet, the MJ-14 in process at AMCO's office is included in case is needed as reference as this MJ-15 talks about the floor expansion.

From: Jason Brandeis
To: Marijuana Licensing (CED sponsored)
Cc: Sawyer, Jane Preston (CED)
Subject: Cold Creek Extracts January 30 Filings
Date: Wednesday, January 30, 2019 2:36:47 PM

Dear AMCO Staff:

This message is to alert you to forms that will be filed by Cold Creek Extracts (Lic #15594) today. Your office will receive the following:

-MJ-15 and MJ-05 requesting approval for packaging changes for an already-approved product (Sugar Wax)

-Five MJ-16 forms requesting approval of new products

-MJ-14, MJ-15, and MJ-05 forms related to request for changes to the licensed premises. (Note: The licensee is not requesting substantive changes to its approved operating plan beyond expanding its floor plan. However the licensee is adding a new piece of equipment, so we determined that a revised section of the MJ-05 form was needed. Since the MJ-05 has changed significantly since the original MJ-05 was submitted, the licensee is providing a complete new MJ-05 form.

Since the cover sheet doesn't always clarify what is being submitted, we are sending this message along to provide context. Please let me know if you have any questions or if you require any additional information.

Thank you,
Jason Brandeis

Jason Brandeis, Of Counsel
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Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
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marijuana.licensing@alaska.gov
https://www.commerce.alaska.gov/web/amco
Phone: 907.269.0350

Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

What is this form?

This operating plan change form is required for all marijuana establishment licensees seeking to change a licensed marijuana establishment's existing operating plan, as required by 3 AAC 306.100. With this form, a licensee may request changes to as much or as little as desired of Form MJ-01 and/or the corresponding operating plan supplemental for the establishment's license type. **The required $250 change fee may be made by check, cashier's check, or money order.**

Please complete and submit with this form the pages of Form MJ-01 and/or the corresponding operating plan supplemental that contain sections that you are requesting to change. **All fields must be completed of any page for which you are requesting changes** – upon board approval, the submitted pages will replace those currently on file. If your current, approved operating plan is on the original version of the forms, you may be required to complete and submit the new operating plan forms in their entirety.

The form(s) that I am requesting board approval to change is:

- ☐ **Form MJ-01:** Marijuana Establishment Operating Plan
- ☐ **Form MJ-03:** Retail Marijuana Store Operating Plan Supplemental
- ☐ **Form MJ-04:** Marijuana Cultivation Facility Operating Plan Supplemental
- ☑ **Form MJ-05:** Marijuana Product Manufacturing Facility Operating Plan Supplemental
- ☐ **Form MJ-06:** Marijuana Testing Facility Operating Plan Supplemental

This form must be completed and submitted to AMCO's main office prior to changing existing operations. The licensed establishment's operations may not be altered unless and until the director has given temporary approval or the Marijuana Control Board (MCB) has given final approval of the changes. Please note that licensees seeking to change operating plans for multiple licenses must submit a separate completed copy of this form for each license.

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:	7801 Schoon St., Unit L				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99518

AMCO
JAN 30 2019

Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

Section 2 – Summary of Changes

Provide a summary of the changes for which you are requesting approval.

Cold Creek Extracts currently operates a licensed marijuana product manufacturing facility. The Licensee seeks approval to increase its physical location to accommodate additional equipment, storage, and to expand its ability to create edible marijuana products. Licensee has entered into a lease agreement to occupy the adjoining unit in the building in which it is currently located. Licensee will build out that unit so that it is accessible from inside the existing facility, ultimately resulting in one contiguous space.

The lower floor of the new space will include a kitchen used to create additional edible marijuana products and the upper floor will be used for storage.

All other operations will remain the same.

Section 3 – Declarations

Read each statement below, and then sign your initials in the corresponding box to the right: Initials

The proposed changes conform to all applicable public health, fire, and safety laws. C.I

I understand that any temporary approval granted by the director is pending a final decision by the MCB; therefore, any investment I make, based upon temporary approval, is at my own risk. C.I

As a marijuana establishment licensee, I declare under penalty of perjury, of swore falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Cade Inscho

Printed name of licensee

SHANNON MOORE
My Commission Expires
NOTARY PUBLIC
Aug 20, 2022
STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: 8/20/22

Subscribed and sworn to before me this 29 day of January, 2019.

AMCO Director Review for Temporary Approval Pending Final MCB Decision: Approved ☐ Disapproved ☐

Printed name of Director

Date

Signature of Director

Director Comments:

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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

What is this form?

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 main 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:	7801 Schoon St., Unit L				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99518

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JAN 30 2019

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:

This facility will create marijuana products and concentrates, which will then be sold to retail marijuana stores for sale to the public.

The facility will receive marijuana flower, trim, or other plant material from licensed cultivation facilities and will process it into marijuana concentrate and topical, edible, and/or smokable marijuana products. The facility may also receive marijuana concentrate from other licensed manufacturers and then use that concentrate to make other marijuana products.

All shipments of marijuana or marijuana concentrate, and accompanying transportation manifests, received at the facility will be reviewed for accuracy and compliance with transportation regulations and Metrc requirements.

Any plant material or concentrate received a the facility will be stored within the facility until it will be extracted or used in the creation of marijuana products. All concentrate and products produced at the facility will undergo testing as required by 3 AAC 306.550, and production batches undergoing testing will be segregated until passing test results are received from the testing facility.

When marijuana concentrate or products are eligible for sale, a transport manifest will be prepared and the items will be packaged, labeled, and transported in compliance with all applicable regulatory provisions.

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.
-Wiped Film 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 flowers, 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. (continued on next page)

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JAN 30 2019

3.1 (continued)

-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.

-Liquid CO2 Extractor: Uses carbon dioxide as solvent to extract terpenes and other oils from plant material.

List of gasses, 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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Section 4 – Waste Disposal

Review the requirements under 3 AAC 306.740.

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

4.1. The marijuana product manufacturing facility shall give the board at least three days written notice required under 3 AAC 306.740(c) before making marijuana waste unusable and disposing of it. C.T

4.2. 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:

Marijuana and marijuana product that is expired or otherwise deemed to be waste will be segregated and placed into a designated waste area within the licensed premises.

Waste will include post-processing marijuana flower, trim, stalks, etc., sludge, oils, expired or ruined edible products or vaporizer cartridges that fail to meet quality control standards, and any other materials that contain THC.

All waste will be weighed, entered into the state's tracking system and held in segregation for three days before being rendered unusable.

After three days, the waste will be rendered unusable by grinding it and mixing it with an equal amount (resulting in a 50/50 mixture) of another non-marijuana waste such as food waste, yard waste, vegetable-based grease or oil, paper, cardboard, sawdust, plastic, or other compostable or non-compostable solid waste. The final mixture will not exceed 50% marijuana. Once rendered unusable, the waste will be transferred to the local solid waste facility 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.	C.T

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:

Cold Creek Extracts will provide a sample of each marijuana product produced at its facility to a licensed marijuana testing facility for all required laboratory testing in compliance with 3 AAC 306.550.

Cold Creek Extracts will not sell or transport a marijuana product until all required laboratory tests are completed.

Cold Creek Extracts will collect a random sample for testing by selecting a product from each production lot in the amount required by the marijuana testing facility. Cold Creek will designate an individual responsible for collecting each sample and that individual will provide the marijuana testing facility with a signed statement that declares that samples were randomly selected for testing. Cold Creek will maintain copies of all records related to sample collection and testing as part of its business records.

Cold Creek Extracts will transport all manufactured products to the testing facility in accordance with applicable regulations.

After selecting and transporting a sample for testing, Cold Creek will segregate the entire production lot of each manufactured product until the marijuana testing facility reports the results from its test. During this period of segregation, the products will be stored in a cool, and dry location in an effort to prevent the marijuana product from becoming contaminated or losing potency.

Cold Creek Extracts will not sell or transport any marijuana product from the segregated lot until the marijuana testing facility has completed its testing and provides written results.

AMCO

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 declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Cade Inscho

Printed name of licensee

SHANNON MOORE
My Commission Expires
NOTARY PUBLIC
ALASKA

Notary Public in and for the State of Alaska

My commission expires: 8/20/22

Subscribed and sworn to before me this 29 day of January, 2019.

AMCO
JAN 30 2019

MJ-14 in case is needed. MJ-14 is currently in the review process at AMCO.

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marijuana.licensing@alaska.gov
https://www.commerce.alaska.gov/web/amco
Phone: 907.269.0350

Alaska Marijuana Control Board

Form MJ-14: Licensed Premises Diagram Change

What is this form?

This licensed premises diagram change form is required for all marijuana establishment licensees seeking to alter the functional floor plan or reduce or expand the area of the establishment's existing licensed premises, under 3 AAC 306.100 and 3 AAC 306.705. **The required $250 change fee may be made by check, cashier's check, or money order.**

This form must be signed by the licensee and by the local government having jurisdiction over the location of the premises before it is submitted to AMCO staff for review.

This form must be completed and submitted to AMCO's main office prior to altering the existing floor plan. The licensed premises may not be altered unless and until the AMCO director has given written approval on this form. Please note that licensees seeking to change licensed premises diagrams for multiple licenses must submit a separate completed copy of this form for each license.

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:	7801 Schoon St. Unit L				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99518

Section 2 – Required Information

For your security, do not include locations of security cameras, motion detectors, panic buttons, and other security devices.

The following details must be included:

- ☐ **License number and DBA**
- ☐ **Legend or key**
- ☐ **Color coding**
- ☐ **Dimensions**
- ☐ **Labels**
- ☐ **True north arrow**
- ☐ **Surveillance room**
- ☐ **Licensed premises boundary**
- ☐ **Restricted access areas**
- ☐ **Storage areas**
- ☐ **Entrances, exits, and windows**
- ☐ **Walls, partitions, and counters**
- ☐ **Any other areas that must be labeled for specific license types**

AMCO
JAN 30 2019

Alaska Marijuana Control Board

Form MJ-14: Licensed Premises Diagram Change

Section 3 – Summary of Changes

Provide a summary of the changes for which you are requesting approval.

Cold Creek Extracts seeks approval to alter its existing floor plan to include approximately 800 square feet of additional space. The space is to be used in conjunction with the existing licensed premises and will allow for expanded operations as a marijuana product manufacturing facility. The additional space is located in the unit directly adjacent to the existing licensed premises.

Section 4 – Declarations and Approvals

Read each statement below, and then sign your initials in the corresponding box to the right:	Initials
If a local building permit is required, I have attached a copy of it to this form.	C.I
The proposed changes conform to all applicable public health, fire, and safety laws.	C.I

As a marijuana establishment licensee, I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Cade Inscho

Printed name of licensee

SHANNON MOORE
My Commission Expires
NOTARY PUBLIC
Aug 20, 2022
STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: 8/20/22

Subscribed and sworn before me this 29 day of January, 20 19.

Local Government Review (to be completed by an appropriate local government official):	Yes	No	Pending
The proposed changes shown on this form conform to all local restrictions and laws.	X		
A local building permit is required for the proposed changes.	X		

Signature of local government official

C18-2280
Building Permit #

1/25/19
Date

Dave Whitfield
Printed name of local government official

Current Planning Manager
Title

AMCO Review:		Approved	Disapproved
Signature of AMCO Enforcement Supervisor	Signature of Director		
Printed name of AMCO Enforcement Supervisor	Printed name of Director	Date	

AMCO Comments:

AMCO
JAN 30 2019

4700 ELMORE ROAD
PHONE: 343-8211

INSPECTIONS
343-8300

MUNICIPALITY OF ANCHORAGE
Development Services Department
Building Safety Division

POSTING NOTICE FOR BUILDING PERMIT

C18-2280

BUILDING PERMIT NUMBER

LOT 5A-1, BLOCK 4, SUBD. Dimond Ind. Center #1

SHALL BE POSTED IN A CONSPICUOUS PLACE

AMCO
JAN 30 2019

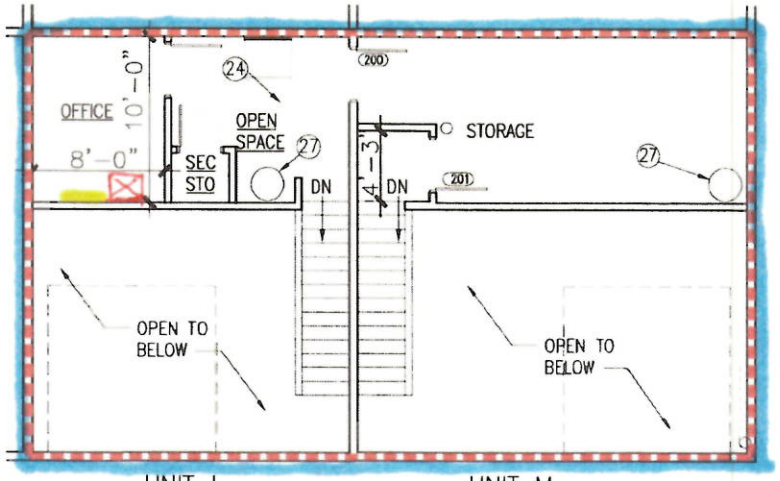
MJD

AMCO
JAN 30 2019

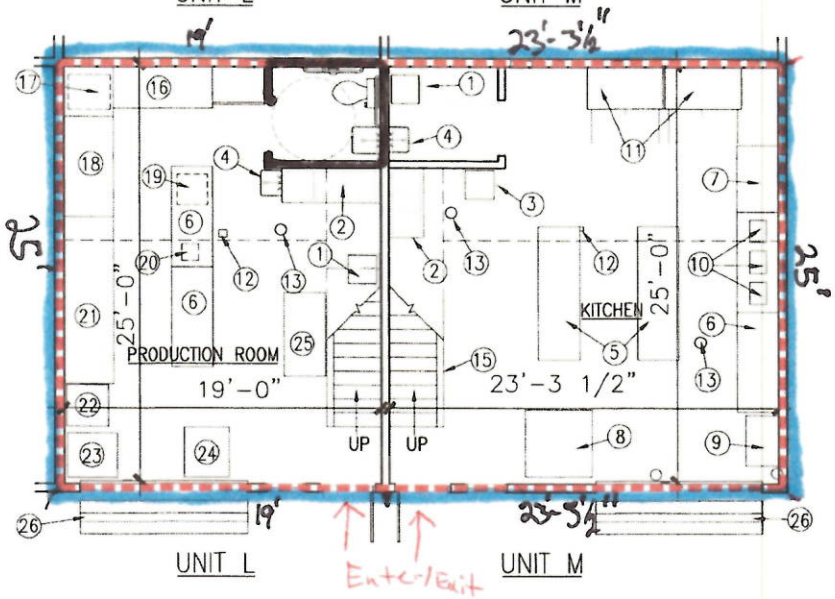
— Non-Restricted access

☒ – Locked Surveillanced area

SECOND FLOOR PLAN
NTS



GRND. FLOOR PLAN
NTS



FFE LEGEND

1. MOP SINK
2. 50"L 3-COMPARTMENT SINK
3. 24"X24" PREP SINK
4. HAND SINK
5. 30"WX96"L STAINLESS STEEL TABLE ON CASTERS
6. 30"WX72"L STAINLESS STEEL TABLE
7. 48"L MARBLE SLAB
8. 48"WX48"L CO2 EXTRACTOR
9. CONVECTION OVEN
10. ELECTRIC INDUCTION COOKTOP UNITS
11. REACH-IN REFER
12. POWER POLE
13. FLOOR DRAIN
14. NOT USED
15. EXTEND GUARD RAIL TO 42" ABOVE TREADS
16. SHORT PATH DISTILLATION
17. VAC OVEN
18. ROTO EVAP
19. FREEZE DRIER
20. ULTRASONIC EMULSIFIER
21. ETHOS 4
22. FIRE CABINET
23. FREEZER
24. REFRIGERATOR
25. 30"WX60"L STAINLESS STEEL TABLE
26. JERSEY BARRIER
27. WATER HEATER

LEGEND

Restricted Access Area
Licensed Premises

COLD CREEK EXTRACTS LLC
7801 SCHOON ST UNITS L & M
LICENCE NO.: 15594
DBA: COLD CREEK EXTRACTS
1/25/2019

0 2' 4' 8'

james bohannon architect

Current MJ-05 in case is needed

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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana product manufacturing 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 5** 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 306.520(3).

What additional information is required for product manufacturing facilities?

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

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

This form must be submitted to AMCO's main office before any marijuana product manufacturing 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:	Cold Creek Extracts LLC	**License Number:**	15594		
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	Cold Creek Extracts				
Premises Address:	7801 Schoon St Unit L				
City:	Anchorage	**State:**	ALASKA	**ZIP:**	99518

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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

Section 2 – Prohibitions

Applicants should review 3 AAC 306.510 and be able to answer "Agree" to all items below.

The marijuana product manufacturing facility will not:	Agree	Disagree
Sell, deliver, distribute, or transfer any marijuana, marijuana concentrate, or a marijuana product directly to a consumer, with or without compensation	☑	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana, marijuana concentrate, or a marijuana product on its licenses premises	☑	☐

The marijuana product manufacturing facility will not manufacture or sell any product that:	Agree	Disagree
Is an adulterated food or drink	☑	☐
Closely resembles a familiar food or drink item including candy	☑	☐
Is packaged to look like candy, or in bright colors or with cartoon characters or other pictures or images that would appeal to children	☑	☐

Section 3 – Equipment, Compounds, and Processes to be Used

Review the requirements under 3 AAC 306.555, and identify how the proposed premises will meet the listed requirements.

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. (continued on next page)

Received by AMCO 5/18/18

Continued from previous page.

-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.

-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 gasses, 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)

Received by AMCO 5/18/18

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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

Describe the processes to be used to create marijuana concentrates:

Full Extract Ethanol Hash Oil: Utilizing a Pressure-less Cryogenic Ethanol Closed Loop Extractor, ethanol will be chilled and decompressed and then used to saturate the marijuana material to be subject to extraction. The resulting mixture will be decompressed and the emulsion of ethanol and marijuana extract will be sent to the chilled collection chamber. The operator then cycles that chilled emulsion back over the material several times to achieve an efficient extraction. Once extraction is complete, the extractor is connected to a Rotovap and the emulsion is transferred from the collection chamber to the Rotovap. The Rotovap will then separate ethanol from the desired extract, resulting in a crude marijuana extract. The recovered ethanol is recycled back into the system for later use. A sample from any production lot of this crude oil set aside for wholesale will be tested per 3 AAC 306.550

Pull-n-Snap Shatter: Full Extract Ethanol Hash Oil will be placed in a vacuum oven to be further purged of ethanol. Purge time in vacuum oven will vary based on several variables including the amount of ethanol left in the extract after Rotovap process. A random sample of each production lot of finished product will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

Sugar Wax: Prior to vacuum oven purging, the full extract ethanol hash oil will be removed from the Rotovap, and placed in a beaker. Then product will be agitated to cause nucleation of the crude extract. The extract will then go into the vacuum oven to be further purged of ethanol. Purge time in vacuum oven will vary based on several variables, Including the amount of ethanol left in the extract after Rotovap process. A commercial freeze dryer can be used to remove any residual water from the extract, once all ethanol is removed. A random sample of each production lot of finished product will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

Distillate: The full extract ethanol hash oil will be sent through a fractional short path distillation, where high heat is applied. As set temperature is achieved, the more volatile cannabinoids evaporate up into the packed fractionating column where the vapor is purified, by condensing and re-evaporating several times so only the most volatile compounds move forward in the system to be condensed back into a liquid and collected. Leaving a high-purity cannabinoid extract. A random sample of each production lot of finished product will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer, per 3 AAC 306.550.

Continued on following page.

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Continued from previous page:

Rosin Melts
Either flower, bubble hash, or dry sift kief will be secured in a food grade mesh bag, placed in a folded envelope of parchment paper and placed between two heated plates, then compressed via a hydraulic jack. This process releases the oil from the glandular trichomes of the marijuana material onto the parchment paper. A random sample of each production lot yield of finished product will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

Solvent-Free Sauce
Certain consistencies of solvent-free rosin yielded from the process described previously will be further processed by placing them in a smaller micron food grade nylon mesh bag with lower heat than the previous pressing temperatures applied. The rosin filled bag will be pressed, and the darker colored terpene-rich oil will separate from the patty inside the mesh bag. A chalky, pale patty will be left behind in the mesh bag, containing cannabinoid-rich extract. The two products are collected and recombined in a jar and left to coagulate for up to several days. Once the desired consistency is achieved, a random sample of each production lot will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

Ice Melts
This product uses the Ice Water Hash method: An amount of marijuana will be added to a food grade nylon mesh bag and mixed with Ice. The bag is then agitated in an ice bath, via a portable stainless steel washing machine. The water will be drained into the Ice tract Bags, that contain different micron size screens. The different sized trichome heads will be collected in their respective screens, yielding varying qualities of ice water hash or bubble hash. A random sample of each production lot of finished product will then be sent to the testing lab, prior to final pac aging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

Full Spectrum CannaCaps
A portion (depending on batch size and potency) of crude extract, or distillate, will be measured out to achieve 5mg of THC per capsule. The extract will be added to a warm beaker of Medium Chain Triglyceride Oil, and the mixture will be emulsified and homogenized via an ultrasonic emulsifier. Once homogenized sufficiently, the mixture will then be dispersed into size "00" capsules containing 0.9 ml of mixture. A random sample of the final packaged CannaCaps will be selected and sent to the testing lab per 3 AAC 306.550.

CannaGar (Cannabis Cigar)
Several grams of marijuana flower will be placed into a cigar-shaped mold that will be clamped shut overnight. The shaped flower will be removed from the mold, covered with 1 gram of Pull-n-Snap Shatter, then roll in 0.5 grams of Ice Water Hash. The item will then be wrapped in commercially available hemp wraps. Each individual product, the flower, the Pull-n-Snap Shatter, the Ice Water Hash will have all required testing per 3 AAC 306.550, and each individual product will be labeled on the final package. This product will only be sold to licensed retailers.

Tundra Nuggets
An approximately .5 gram marijuana bud will be covered in approximately 0.25 gram of Pull-n-Snap shatter, then rolled in approximately 0.25 gram of Ice Melts (Ice water hash). A random sample from each production lot of finished product will then 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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Vape Pen

A measured amount of distillate will be infused with previously extracted terpenes or separately-purchased wholesale terpenes to create strain specific flavor profiles. Approximately 0.5 grams or 1.0 gram of distillate will be injected into a ceramic cell vape cartridge. A random sample of each production lot of finished product will then be sent to the testing lab, prior to final packaging and labeling for sale to a licensed retailer or manufacturer, per 3 AAC 306.550.

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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

Section 6 – Waste Disposal Plan

Review the requirements under 3 AAC 306.520, and identify how the proposed premises will meet the listed requirements.

Describe the marijuana product manufacturing facility's plan for disposal of any expired or outdated marijuana or marijuana product that is not sold or transferred to another licensed marijuana establishment:

Cold Creek Extracts waste disposal plan, is as follows:

Marijuana Waste Products:

-Post Processed Marijuana flower, trim, stalk etc.
-Waste Water from Ice Water Hash.
- Marijuana or Marijuana Product that fails quality control standards, or past expiration.

Method of Disposal:
- Marijuana or Marijuana Product: Render the marijuana & marijuana products unusable by mixing marijuana waste to a 50/50 mix with approved solid waste products.
- Wastewater: Using a 25 micron screen, marijuana will be placed in the screen & all water will be drained from the material, containing all marijuana contaminants in the screen. Once the contents of the screen, air dry, it will be added to the Post Extracted Plant Material bin.

Compost-able Solid Wastes to be used:
Food waste, yard waste, vegetable-based grease or oils.

Cold Creek Extracts will give at least three (3) days notice to the Marijuana Control Board before rendering the marijuana unusable, & disposing of it, using the METRC system
Cold Creek Extracts will ensure that the final disposal mixture is composed of no more than fifty percent (50%) marijuana waste by volume. The 50/50 mixture will be securely stored in tote, located in a secure closet inside the facility. Authorized staff will flag a Tote for disposal once a week, or once every other week. Once a tote is flagged for disposal, AMCO will be notified via METRC, three days prior to mixing & disposing of the product.

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Section 7 – Testing

The area where in-house testing will occur must be identified on the premises diagram, per 3 AAC 306.520(2).	Yes	No
Will the marijuana product manufacturing facility perform in-house testing (as defined in 3 AAC 306.990(b)(20))?	☐	☑

Applicants should review 3 AAC 306.550 and be able to answer "Agree" to the item below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the required laboratory testing set forth in 3 AAC 306.550	☑	☐

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.

Cade W. Inscho
Signature of licensee

Cade Inscho
Printed name

Subscribed and sworn to before me this 1 day of December, 2017.

Charlotte Mercer
Notary Public in and for the State of Alaska.

My commission expires: 10-24-2020

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(Additional Space as Needed):

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