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-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:	Great Northern Manufacturing, Inc.	**MJ License #:**		17336	
License Type:	Marijuana Product Manufacturing Facility				
Doing Business As:	Great Northern Manufacturing, Inc.				
Premises Address:	7031 Arctic Boulevard, Suite 100				
City:	Anchorage	**State:**	Alaska	**ZIP:**	99518

Received by AMCO 5/25/18

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:

The marijuana product manufacturing facility will use marijuana to create concentrate, some of which will be sold to licensed retail stores and some of which will be used to infuse manufactured consumable products. Marijuana flower and trim will be received at the facility from licensed cultivators. In addition, marijuana concentrates such as oil and distillate will be received from other licensed marijuana product manufacturers for the purpose of infusing edible products and pre-rolled joints. The marijuana and marijuana concentrates will be weighed, compared with the manifest, and accepted if information on the manifest is accurate. Marijuana and marijuana concentrates will be stored in a secured room within the licensed premises until it is used for extraction or infusion.

Concentrates will be infused into manufactured edible products, pre-rolled joints, and vaporizer cartridges, which will be sold to licensed retail marijuana stores across the state. Concentrates may also be sold to licensed retail marijuana stores. All concentrates and marijuana product will undergo testing as required by 3 AAC 306.550, and it will be held in quarantine until passing test results are received from the laboratory. When ready to be sold, the marijuana concentrates or manufactured edible products will be manifested and delivered to licensed retail marijuana stores as per the regulations. Marijuana products will be packaged as required under 3 AAC 306.565 and labeled as required under 3 AAC 306.570.

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:

Ethanol Extraction to Produce Cannabis Oil:

GNC Manufacturing will be using a closed loop ethanol extractor that utilizes 200 proof Ethanol as a solvent to create concentrated cannabis oil. It uses negative pressure to evacuate and transfer an emulsion from stage to stage. It operates by spraying ethanol on top of the cannabis material and soaking it with freezing ethanol. The system operates at cryo temperatures. It will be connected directly to the auto-feed of a rotary evaporator. Once an ethanol extraction is performed, the resulting emulsion (ethanol/essential oil tincture) will go through a "reduction phase". During this process, the ethanol is separated from the oil to produce a concentrate. This process will be done through the rotary evaporator. For some processes, a vacuum oven will be utilized to assist in drying of the oil.

CO2 Extraction to Produce Cannabis Oil:

GNC Manufacturing will be using a supercritical CO2 extraction machine to produce a cannabis oil concentrate. The Supercritical CO2 extraction process creates phase changes in carbon dioxide utilizing temperature and pressure. CO2 is known as a "tunable solvent" making it extremely versatile for creating a multitude of end products by controlling temperature and pressure. These phase changes create an environment to drop out differing weights of components in the plant material. CO2 Extraction allow for separation and collection of these constituents during a single extraction. This enables collection of light essential oils separately from other desirable constituents and heavier lipids. Supercritical CO2 fluid extraction (SCFE) methodology delivers a clean, unaltered, consistent-yet-flexible product. CO2 extraction is the cleanest, safest method for extracting plants such as hops, cannabis and a wide range of nutraceuticals and organic crops.

(Continued on Attachment A)

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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. SB

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 area for waste on the licensed premises. The waste will then be weighed, entered into METRC, and held in quarantine for three days before being rendered unusable. Marijuana waste may include flower, trim, plant stems, extraction sludge, oils, expired or ruined edible products, expired or ruined vaporizer cartridges, and any other materials that may contain Tetrahydrocannabinol (THC).

All marijuana and marijuana product waste will be quarantined during the required AMCO three-day notice period. After three days, the waste will be rendered unusable by grinding and mixing it with another non-marijuana waste such as paper, cardboard, sawdust, plastic, vegetable oil, 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.

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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 306.455 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.	SB

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 6.2, 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:

Great Northern Manufacturing (GNM) will provide a sample of each of the manufactured marijuana products that will be produced to a licensed marijuana testing facility. GNM will not sell or transport a marijuana product until all required laboratory tests are completed

GNM will collect a random sample for testing by selecting a product from each production lot in the amount required by the marijuana testing facility.

GNM will provide the marijuana testing facility with a signed statement that declares that samples were collected at random. GNM will maintain copies in its business records. All manufactured products will be transported to testing in accordance with the regulations.

GNM will segregate the entire production lot of each manufactured product until the marijuana testing facility reports the results from its test. During this time of quarantine, the products will be stored in a secure, cool, and dry location in an effort to prevent the marijuana product from becoming contaminated or lose efficacy. GNM will not sell or transport any marijuana product from the segregated lot until the marijuana testing facility has completed its testing and provide written results.

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Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan

Supplemental

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:	Kief		
Product Type:	Concentrate/Hash		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	Not Applicable

Product Description: Details must include the color, shape, and texture.	The color can vary from off-white to green to dark brown. The shape is tiny round trichome crystals, and the texture is grainy and/or powdery.
Ingredients: This box is not applicable to marijuana concentrates.	Not Applicable.
Standard Production Procedure and Detailed Manufacturing Process:	During the trimming process, kief will be collected using screens with traps under all trimming activities. Another process to be used will include freezing marijuana flower and then spinning it at high speeds in a Pollinator machine that collects the kief as the frozen flower is spun. Another process that will be used is dry sifting in which screens with extremely fine mesh are used to hand-sift the dried flowers or trim, removing the resinous glands and refining the extract into a granular consistency.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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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:	Kief
Product Type:	Concentrate/Hash

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.	The cannabis kief will be packaged in a small circular jar with a screw-on lid, and it will contain one gram of kief. The jar then goes into a small Mylar bag that is child-resistant and heat-sealed. The kief package will be sold with a child-resistant opaque exit bag. The testing results will be on the back label.
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	

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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:	The Torch		
Product Type:	Infused Pre-rolled Joint		
Perishable: Yes/No	No	**Shelf Life:** If perishable.	Not Applicable

Product Description: Details must include the color, shape, and texture.	The shape and size will be consistent with a standard cannabis pre-rolled joint. It will be in a white or tan pre-roll cone which will be coated in cannabis oil and dusted with kief. The exterior color will be tan to green, and the product will have a sugary texture.
Ingredients: This box is not applicable to marijuana concentrates.	Cannabis, Cannabis Oil, Cannabis Kief.
Standard Production Procedure and Detailed Manufacturing Process:	A pre-rolled cone will be filled with pre-tested cannabis flower, weighed to one gram, and sealed. The sealed pre-roll will then be coated in cannabis oil, and while the oil is tacky, the pre-roll will then be coated in cannabis kief.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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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:	The Torch
Product Type:	Infused Pre-rolled Joint

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.	The infused pre-rolled joint will be packaged in a child-resistant joint tube. Only one infused pre-rolled joint will be included per package. Pre-rolled joints will contain 1.0 gram of marijuana, and the amount of THC will be dependent upon the strain and will be included on the label per the testing results. Cannabis oil and kief testing results will be included on the label specific to the batch(es) used upon creation (30-80% THC).

Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.

Great Northern CANNABIS

THE TORCH

FEATURING THE STRAIN: SUPER LEMON HAZE

HB #112-SLH-20180501

Total THC:	TBD%		
THC-A:	TBD%	**Beta Myrcene:**	TBD%
Total Terpenes:	TBD%	**Total CBD:**	TBD%
Limonene:	TBD%	**CBG-A:**	TBD%

TBD MG TOTAL THC

NET WEIGHT: 1.0 G (0.035 OZ.)

INGREDIENTS Cannabis, Cannabis Oil, Cannabis Kief

Manufactured by Great Northern Manufacturing, Inc. #17336, 7031 Arctic Boulevard, Suite 100, Anchorage AK 99518. Tested by CannTest #10009. No Pesticides, Fungicides, Herbicides, or Microbial Contaminants. Packaging & Labeling by JKD Brands.

70000813

MADE IN ALASKA

Marijuana has intoxicating effects & 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.

Cultivator: Great Northern Cannabis, License #10747 • Retailer: Great Northern Cannabis, License #11966

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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:	Garden of Delights Chocolate A La Kush		
Product Type:	Cannabis-Infused Chocolate		
Perishable: Yes/No	Yes	**Shelf Life:** If perishable.	One Year

Product Description: Details must include the color, shape, and texture.	Garden of Delight Chocolate a la Kush will be offered in two different options, a rectangular chocolate bar with ten clearly delineated servings and also as individual square piece servings. Both of these options will be offered in milk chocolate and dark chocolate varieties. Both will have a smooth texture and will be brown to dark brown in color.
Ingredients: This box is not applicable to marijuana concentrates.	68% Dark Chocolate - chocolate (sugar, chocolate liquor, sunflower lecithin, vanilla, cocoa butter), cannabis oil or distillate 38% Milk Chocolate - chocolate (sugar, chocolate liquor, milk solids, sunflower lecithin, vanilla, cocoa butter), cannabis oil or distillate
Standard Production Procedure and Detailed Manufacturing Process:	Chocolate will be melted down in a heated tempering kettle. Cannabis oil or distillate will be added to the volume of chocolate and they will be heated together and mixed very thoroughly to create a homogeneous mixture, and then poured into molds to cool and harden.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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License # 17336

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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:	Garden of Delights Chocolate A La Kush
Product Type:	Cannabis-Infused Chocolate

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.	Garden of Delight Chocolate a la Kush will be packaged in two sizes. The first size will be a break-away bar with clearly delineated serving marks. There will be 10 servings, each containing 5 milligrams of THC for a total of 50 milligrams of THC per package. Each of the 10 delineated squares of the break-away bar will equal one individual serving. This bar will be packaged in a small cardboard box and will have all of the warning statements and testing labels as required by the regulations. The second size will be a box with six individual chocolate pieces, each containing 5 milligrams of THC for a total of 30 milligrams per package. The six chocolates will sit in a delineated insert, inside a rectangular box with a lid. Each individual piece of chocolate will contain one individual serving. Both of these chocolate products will be offered in dark and milk chocolate and will be labeled as such. The colors will vary from brown to dark brown. Both of these chocolate products will be sold with childproof, opaque exit bags. SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES

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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:	Garden of Delights Chocolate A La Kush
Product Type:	Cannabis-Infused Chocolate

Chocolate a la Kush

CHOCOLATE BAR

Product Packaging & Labeling Examples

[continued on next page]

Box Mockups

(Shown with Dark Chocolate Notation)

Front of Box

(Shown with Milk Chocolate Notation)

Back of Box w/Testing Label

(Shown with Milk Chocolate Notation)

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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:	Garden of Delights Chocolate A La Kush
Product Type:	Cannabis-Infused Chocolate

Chocolate a la Kush
CHOCOLATE SQUARES

Product Packaging & Labeling Examples

[continued on next page]

Box Mockup

(Shown with Dark Chocolate Notation)

Box Top
(Shown with NO Dark/Milk Chocolate Notation)

Seal with Chocolate Variation Notation

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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:	Garden of Delights Chocolate A La Kush
Product Type:	Cannabis-Infused Chocolate

Chocolate a la Kush
CHOCOLATE SQUARES

Product Packaging & Labeling Examples

Box Mockup

(Shown with Dark Chocolate Notation)

Bottom of Box w/testing label
(Shown with Dark Chocolate Notation)

DARK CHOCOLATE A LA KUSH SIX 5MG SQUARES

Garden of Delights FROM Great Northern CANNABIS

Eat Your Greens
with these cannabis infused, gourmet chocolate squares!

INGREDIENTS
CONTAINS CANNABIS
Chocolate (sugar, chocolate liquor, sunflower lecithin, vanilla), cocoa butter, cannabis oil or distillate.

Cannabis Product: Chocolate Squares Made with STRAIN grown by CULTIVATOR, LOCATION
Lot/METRC #1A4020300002BE5E00000420
Manufacturer: Great Northern Manufacturing, Inc. #17336
Retailer: Great Northern Cannabis #11966
Flavor: **Dark Chocolate**

TOTAL THC	30 MG
THCV	TBD MG
TOTAL CBD	TBD MG

EXPIRES MONTH XXTH, 20XX.
SIX SERVINGS PER PACKAGE.
TOTAL NET WEIGHT 24 G (0.85 OZ.)
Tested by CannTest #10009. Packaging & Labeling by JKD Brands. No Pesticides, Fungicides, Herbicides, or Microbial Contaminants. Produced by Great Northern Manufacturing, Inc., 7031 Arctic Boulevard, Suite 100, Anchorage AK 99518.

Nutrition Facts Serving Size 1 (4g), Servings Per Container 6,
Amount Per Serving: **Calories** 20, **Fat Cal.** 14, **Total Fat** 1.6g, (2% DV), **Sat. Fat** 0g (0% DV), **Trans Fat** 0g, **Cholest.** 0g, (0% DV), **Sodium** 4g (>1% DV), **Total Carb.** 2g (2% DV), **Dietary Fiber** 0.3g (1% DV), **Sugars** 1g, **Protein** 0.27g. Not a significant source of Dietary Fiber, Sugars, Vitamin A, Vitamin C, Calcium, or Iron. Percent daily values are based on a 2,000 calorie diet.

GreatNorthernCannabis.com

Marijuana has intoxicating effects & 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.

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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:	Garden of Delights Gourmet Gummies		
Product Type:	Cannabis-Infused Gummies		
Perishable: Yes/No	Yes	**Shelf Life:** If perishable.	One Year

Product Description: Details must include the color, shape, and texture.	Garden of Delights Gummies will be circular in shape with a flat bottom. They will measure approximate 1 inch in size. They will vary in color from light orange to dark red depending on fruit flavor. The gummies will be coated in fine sugar and will be chewy. Each gummy will be one serving and will contain 5 milligrams of THC.
Ingredients: This box is not applicable to marijuana concentrates.	Passion Fruit - sugar, cassava syrup, white grape juice, pectin, citric acid, passion fruit puree, cannabis oil or distillate Raspberry - sugar, cassava syrup, white grape juice, pectin, citric acid, raspberry puree, natural flavors, cannabis oil or distillate For multiple flavors - Sugar, cassava syrup, pectin, citric acid, fruit juice from concentrate (white grape, passion fruit, raspberry), natural flavors, cannabis oil or distillate
Standard Production Procedure and Detailed Manufacturing Process:	Raw ingredients will be heated and mixed together. Cannabis oil or distillate will be added and blended thoroughly to create a homogeneous mixture. The gummy mixture will then be poured into molds. The gummies will cool in the molds. After cooling, the gummies will be removed from the mold and coated in fine sugar.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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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:	Garden of Delights Gourmet Gummies
Product Type:	Cannabis-Infused Gummies

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.	The gummies will be packaged in two sizes, a 3-piece and a 10-piece option. Both sizes will be packaged in child-resistant, opaque Mylar bags and will be heat sealed. Each gummy will contain 5 milligrams of THC for a total of 15 milligrams for the 3-piece package and 50 milligrams for the 10 piece package. In both package sizes, one gummy will equal one individual serving. SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES RECEIVED OCT 26 2018 ALCOHOL & MARIJUANA CONTROL OFFICE STATE OF ALASKA

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:	Garden of Delights Gourmet Gummies
Product Type:	Cannabis-Infused Gummies

10-Piece & 3-Piece

GOURMET GUMMIES

Product Packaging & Labeling Examples

[continued on next page]

10-Piece
Front & Back of Package

3-Piece
Front & Back of Package

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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:	Garden of Delights Gourmet Gummies
Product Type:	Cannabis-Infused Gummies

10-Piece & 3-Piece
GOURMET GUMMIES

Product Packaging & Labeling Examples

[continued on next page]

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3-Piece Gummies
Front of Package

3-Piece Gummies
Back of Package

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:	Garden of Delights Gourmet Gummies
Product Type:	Cannabis-Infused Gummies

10-Piece & 3-Piece

GOURMET GUMMIES

Product Packaging & Labeling Examples

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10-Piece Gummies
Front of Package

10-Piece Gummies
Back of Package

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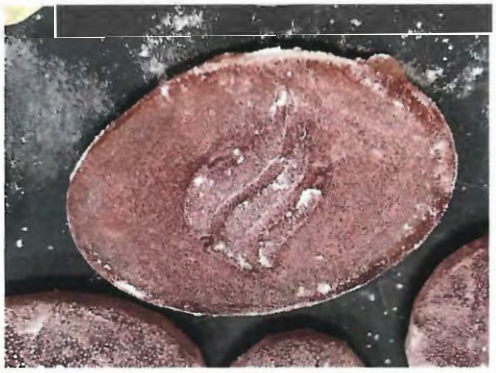
Section 6 – Proposed Marijuana Concentrates and Marijuana Products

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:	Garden of Delights Lozenges		
Product Type:	Cannabis-Infused Hard Candies		
Perishable: Yes/No	Yes	**Shelf Life:** If perishable.	One Year

Product Description: Details must include the color, shape, and texture.	Garden of Delights Lozenges will be oval shaped and approximately an inch in size. They will be offered in cherry, lemon, or other fruit flavors. The colors will range white to red depending on flavor. The candies will be hard to the touch and coated in a fine starch to prevent sticking. One candy will be one serving.
Ingredients: This box is not applicable to marijuana concentrates.	Lemon - Sugar, water, citric acid, cream of tartar, lemon oil, tapioca starch, cannabis oil or distillate Cherry - Sugar, water, citric acid, cream of tartar, cherry juice, tapioca starch, natural flavors, cannabis oil or distillate For multiple flavors - Sugar, water, citric acid, cream of tartar, fruit juice from concentrate (white grape, cherry), natural flavors, tapioca starch, cannabis oil or distillate
Standard Production Procedure and Detailed Manufacturing Process:	Raw ingredients will be heated and mixed together in a kettle. Cannabis oil or distillate will be added and blended thoroughly to create a homogeneous mixture. The candy mixture will be poured into molds and left to cool. Once cool, the candies will be removed from the mold and coated in a fine starch to prevent sticking.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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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:	Garden of Delights Lozenges
Product Type:	Cannabis-Infused Hard Candies

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.	The lozenges will be packaged in two sizes, a 3-piece and a 10-piece option. Both sizes will be packaged in child-resistant, opaque Mylar bags and will be heat sealed. Each candy will contain 5 milligrams of THC for a total of 15 milligrams for the 3-piece package and 50 milligrams for the 10-piece package. In both package sizes, one lozenge will equal one individual serving. SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES RECEIVED OCT 26 2018

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:	Garden of Delights Lozenges
Product Type:	Cannabis-Infused Hard Candies

10-Piece & 3-Piece

LOZENGES

Product Packaging & Labeling Examples

[continued on next page]

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10-Piece
Front & Back of Package
(Shown in Lemon Flavor)

3-Piece
Front & Back of Package
(Shown in Cherry Flavor)

Alaska Marijuana Control Board

Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan

Supplemental

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:	Garden of Delights Lozenges
Product Type:	Cannabis-Infused Hard Candies

10-Piece & 3-Piece

LOZENGES

Product Packaging & Labeling Examples

[continued on next page]

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3-Piece Gummies
Front of Package
(Shown in Lemon Flavor)

3-Piece Gummies
Back of Package
(Shown in Lemon Flavor)

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:	Garden of Delights Lozenges
Product Type:	Cannabis-Infused Hard Candies

10-Piece & 3-Piece

LOZENGES

Product Packaging & Labeling Examples

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10-Piece Gummies
Front of Package
(Shown in Cherry Flavor)

10-Piece Gummies
Back of Package
(Shown in Cherry Flavor)

Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan

Supplemental

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:	Garden of Delights Uncommon Caramels		
Product Type:	Cannabis-Infused Chocolate-Covered Caramels		
Perishable: Yes/No	Yes	**Shelf Life:** If perishable.	One Year

Product Description: Details must include the color, shape, and texture.	Uncommon Caramels will be cube-shaped caramel pieces that will be dipped and coated in chocolate and garnished with sea salt. They will be offered in dark and milk chocolate varieties. They will be cubed-shaped with a smooth chocolate finish, with crystalline salt sprinkled lightly on top. The colors will vary from brown to dark brown, depending on variety.
Ingredients: This box is not applicable to marijuana concentrates.	Chocolate coated caramel – Caramel (milk, cream, sugar, butter (cream, natural flavor), vanilla, salt), chocolate (sugar, chocolate liquor, sunflower lecithin, vanilla), sea salt, cannabis oil or distillate.
Standard Production Procedure and Detailed Manufacturing Process:	Raw ingredients will be heated and mixed to create a molten caramel. Cannabis oil or distillate will be added and thoroughly blended to create a homogeneous mixture. The molten caramel will be spread in a wide, shallow pan and vibrated on a table to remove air bubbles. The caramel will cool as an even flat slab. The caramels will then be cut into pieces using a cutting machine that will ensure each piece is identical in size. Each caramel piece will then be dipped in non-infused chocolate and garnished with crystalline sea salt.
Depiction: Provide a photograph, drawing, or graphic representation of the expected appearance of the final product.	

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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:	Garden of Delights Uncommon Caramels
Product Type:	Cannabis-Infused Chocolate-Covered Caramels

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.	The Uncommon Caramels will be packaged in a box with six individual pieces, each containing 5 milligrams of THC for a total of 30 milligrams per package. The six pieces will sit in a delineated insert, inside a rectangular box with a lid. Each individual piece will equal one individual serving. Uncommon Caramels will be offered in both dark and milk chocolate and will be labeled as such. The colors will vary from brown to dark brown. This product will be sold with a childproof, opaque exit bag. SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES
Sample Labels: Provide sample labels showing how the labeling requirements set forth in 3 AAC 306.570 will be met.	SEE FOLLOWING PAGES FOR SUPPLEMENTAL IMAGES

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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:	Garden of Delights Uncommon Caramels
Product Type:	Cannabis-Infused Chocolate-Covered Caramels

UNCOMMON CARAMELS

Product Packaging & Labeling Examples

[continued on next page]

Box Mockup

(Shown with Milk Chocolate Notation)

Box Top
(Shown with NO Dark/Milk Chocolate Notation)

Seal with Chocolate Variation Notation

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Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan

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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:	Garden of Delights Uncommon Caramels
Product Type:	Cannabis-Infused Chocolate-Covered Caramels

UNCOMMON CARAMELS

Product Packaging & Labeling Examples

Box Mockup

(Shown with Milk Chocolate Notation)

Bottom of Box w/testing label
(Shown with Milk Chocolate Notation)

[redacted]

MILK **UNCOMMON CARAMELS** SIX 5MG CARAMELS

Garden of Delights FROM Great Northern CANNABIS

Eat Your Greens
with these cannabis infused, chocolate-dipped, sea salt caramels!

INGREDIENTS
CONTAINS CANNABIS
Caramel (milk, cream, sugar, glucose, butter: cream & natural flavor, vanilla, salt), chocolate (sugar, chocolate liquor, sunflower lecithin, vanilla), sea salt, cannabis oil or distillate.

Cannabis Product: Caramels — Made with STRAIN grown by CULTIVATOR, LOCATION
Lot/METRC #1A4020300002BE5E00000420
Manufacturer: Great Northern Manufacturing, Inc. #17336
Retailer: Great Northern Cannabis #11966
Flavor: **Milk Chocolate**

TOTAL THC	30 MG
THCV	TBD MG
TOTAL CBD	TBD MG

EXPIRES MONTH XXTH, 20XX.
SIX SERVINGS PER PACKAGE.
TOTAL NET WEIGHT 96 G (3.39 OZ.)
Tested by CannTest #10009. Packaging & Labeling by JKD Brands. No Pesticides, Fungicides, Herbicides, or Microbial Contaminants. Produced by Great Northern Manufacturing, Inc., 7031 Arctic Boulevard, Suite 100, Anchorage AK 99518.

Nutrition Facts Serving Size 1 (16g), Servings Per Container 6, Amount Per Serving: **Calories** 60, **Fat Cal.** 28, **Total Fat** 2g, (7% DV), **Sat. Fat** 1.5g (20% DV), **Trans Fat** 0g, **Cholest.** 0g, (0% DV), **Sodium** 58g (3% DV), **Total Carb.** 9g (3% DV), **Sugars** 6g, **Protein** 0.5g. Not a significant source of Dietary Fiber, Sugars, Vitamin A, Vitamin C, Calcium, or Iron. Percent daily values are based on a 2,000 calorie diet.

GreatNorthernCannabis.com

Marijuana has intoxicating effects & 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.

[redacted]

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Supplemental
(Additional Space as Needed):

Attachment A: Section 3.1 Continued

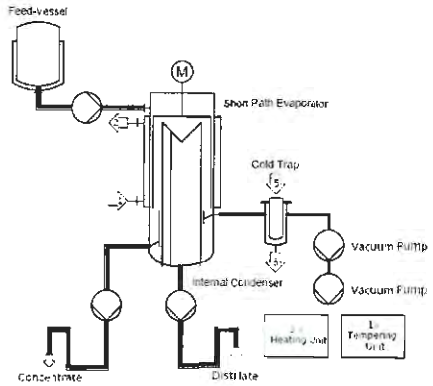
Rosin Press:
GNC Manufacturing will also utilize a rosin press to create a cannabis concentrate. A rosin press is used to extract cannabinoids through heat and pressure. The rosin press utilizes an 8 ton (16,000 lb) pneumatic cylinder. The design of the pneumatic cylinder is able to achieve these high forces with only 120 PSI compressed air. A rosin press has two heated plates that are pressed down onto each other to create enough force to facilitate an extraction.

Bubble Bags to Create Bubble Hash:
Bubble Bags will be used to make bubble hash, a solvent-less extract of cannabis flowers. As it contains no residual solvents, it is quite pure. To make bubble hash, cannabis flower and trim are frozen, soaked in ice water, agitated manually, and then filtered through bubble bags. Bubble bags are plastic filtration bags with holes of increasingly smaller size. Freezing serves to separate the THC-rich trichomes from the flower and trim. Several extractions, using bags with progressively finer mesh, help remove the ice water while retaining the desired trichomes and active compounds. The process filters out excess plant material, leaving behind the intact resin glands. The resulting product is then air-dried to remove residual water.

Dry Sift Method to Create Kief:
The dry sift technique uses screens with extremely fine mesh to hand-sift the dried flowers or trim, removing the resinous glands and refining the extract into a granular consistency. The cannabis flower or trim will be hand-rubbed across fin mesh silk screens. Agitation and friction help separate the trichome glands and stalks from the flower. The tightly-woven screens allow only the finest particles to pass through, and after repeated sifting and collecting of this powder-like kief through a series of screens with increasingly finer micron ratings, the process is finished.

Pollinator Tumbler Machine Used to Create Kief:
The cannabis is placed into a stainless steel filter and placed into the pollen box portion of the machine with the lids closed. The machine turns the filter in a spinning motion which creates enough agitation to separate the trichomes from the plant. The trichomes are captured and segregated in the filter, resulting in a kief. The kief is then removed from the filter and is ready for use or packaging.

Short Path Distillation to Create Cannabis Distillate:
Short-path distillation is a distillation technique that involves the distillate traveling a short distance,and is normally done at reduced pressure. This technique is often used for compounds which are unstable at high temperatures or to purify small amounts of a compound. With short path distillation, a decrease of boiling temperature is obtained by reducing the operating pressure. The advantage is that the heating temperature can be considerably lower (at reduced pressure) than the boiling point of the liquid at standard pressure, and the distillate only has to travel a short distance before condensing. A short path ensures that little compound is lost on the sides of the apparatus. Short path distillation equipment (such as the Root Sciences Distillation Plant VKL 70-5) will be used to further refine the cannabis oil that is produced via ethanol and CO2 extraction methods, and the end product will be a high quality food-grade distillate. An image of the VKL 70-5 is included below.



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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;** SB

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

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.** SB

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

Signature of licensee

Stephen W. Brashear

Printed name of licensee

Notary Public in and for the State of Alaska

My commission expires: 12/25/2020

Subscribed and sworn to before me this 24th day of May, 2018.

DENISE GAGNON NOTARY PUBLIC STATE OF ALASKA

License # 17336

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