Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
Anchorage, AK 99501
marijuana.licensing@alaska.gov
https://www.commerce.alaska.gov/web/amco
Phone: 907.269.0350

Alaska Marijuana Control Board

Operating Plan Supplemental
Form MJ-04: Marijuana Cultivation Facility

What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana cultivation facility license and must accompany **Form MJ-01: Marijuana Establishment Operating Plan**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 4** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of 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 306.420(2).

What additional information is required for cultivation facilities?

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

- Prohibitions
- Cultivation plan
- Waste disposal
- Odor control
- Testing procedure and protocols
- Packaging and labeling

This form must be completed and submitted to AMCO's main office before any new or transfer application for a standard marijuana cultivation facility or limited marijuana cultivation 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:	Nome Grown LLC	**MJ License #:**	17594		
License Type:	Limited Cultivation Facility				
Doing Business As:	Nome Grown LLC				
Premises Address:	604 W 1st Ave., Nome, AK				
City:	Nome	**State:**	Alaska	**ZIP:**	99762

AMCO Received 11/1/2018

Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the flow of marijuana from seed or clone to harvest and transfer from your premises:

The company's cultivation policy and procedures provide guidelines on the continual operation of a secure cannabis cultivation facility in accordance with state regulations and industry best practices. The policies and procedures dictate that the cultivation facility's limited access areas m which all phases of cannabis cultivation take place remain secure limited access areas will be stocked and monitored under surveillance camera system. A designated cultivation manager will be responsible for ensuring full compliance with the operational policies and procedures detailed In the company's Standard Operating Procedures for the cultivation operations In addition to procedural compliance, the cultivation director will be responsible for oversight and on the job training of agents, the prevention and treatment of plant disorders, and will follow a general plant healthcare checklist to ensure a healthy cultivation environment for cultivation, processing, and curing practices will be consistent with Industry best practice and all documentation will be maintained in accordance with regulation and company policy. The Cultivation Manager/Director will be responsible for recording, monitoring and maintenance of cultivation records. These records will be made available for Inspection by request of law enforcement and the Marijuana Control Board of the State of Alaska.

The company will follow best practices of cannabis agriculture in the industry and Implement policies and procedures as established by the USDA Organic Agriculture (but will not advertise that the marijuana is organic) standards and practices. The company understands it cannot become a certified USDA organic operation nor obtain or utilized USDA organic certification nor use the "organic" on any of its packaging and labeling. The company will follow the State of Alaska, Department of Natural Resources, Division Agriculture Alaska Grown Certification Program policies as well as seek the Alaska Grown Certification and employ the logo on products as permitted The Company's cultivation operations are governed by multiple laws, regulations, and ordinances. The cultivation director must ensure that all applicable law, statute, regulation and ordinance are followed. In the performance of all cultivation activities. The entire Nome Grown team is required to understand and implement policies and procedures to ensure the company fosters a culture of safety while producing and retailing the highest quality product possible.

Continued on last page.

Section 3 – Prohibitions

Review the requirements under 3 AAC 306.405 and 3 AAC 306.410.

3.1. I certify that the marijuana cultivation facility will not: Initials

a. **sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation;**

b. **allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on the licensed premises or within 20 feet of the exterior of any building or outdoor cultivation facility; or**

c. **treat or otherwise adulterate marijuana with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana.**

Section 4 – Cultivation Plan

Review the requirements under 3 AAC 306.420 and 3 AAC 306.430.

4.1. Describe the size of the space(s) the marijuana cultivation facility intends to be under cultivation, including dimensions and overall square footage. Provide your calculations below:

Nome Grown's cultivation facility is a 581 square foot utility building attached to the residence by a 21 ft. long connecting deck. Flower and vegetative room: 28ft x 14ft = 392 square feet
3 Tier seedling shelves: 2ft. x 7ft x 2 = 28 square feet (the bottom tier has only a 6 inch air gap under it, so the area is included in the total floor space calculation for the flower and veg. rooms.)
Total square feet under cultivation is: 420

AMCO Received 11/1/2018

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

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

4.2. The proposed area(s) for cultivation are clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application.

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

4.3. Will the marijuana cultivation facility include outdoor production? ☐ ☑

If "Yes", describe the outdoor structure(s) or the expanse of open or clear ground and how it is fully-enclosed by a physical barrier:

4.4. Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility, whether indoors or outdoors, cannot be observed by the public from outside the facility:

The are no windows in the cultivation building

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

The company has selected the hybrid cultivation method to ensure consistent outcomes through the effective management of all cannabis inputs. This allows for the utilization and benefit of both soil and hydroponic systems in cultivation. The following growing mediums will be utilized, but is not all inclusive: Perlite, Pro Mix hp mycorrhizae Potting Soil, Pebbles and/ or Lava rocks, Rapid Root plugs and/ or Rockwool cubes. Mediums will be reviewed and updated for efficacy periodically.

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

The company intends to utilize nutrients for both mediums that are organic in nature and purport industry best practices. The company is committed to utilizing the safest crop inputs available to guarantee safe, high quality end products. The employment of Carbon Dioxide as a grow aid will be in organic form such as the use of decomposing mushroom bags. No mechanical carbon monoxide generating equipment is planned.
Fertilizers : Bone Meal, bat guano/seabird guano, bone meal, kelp meal, langbeinite, earthworm castings; Dip'n Glow liquid rooting concentrate and/ or Clonex clone and seedling nutrient, Advanced Nutrient Products, Fox Farm Products, and/or Botanicare CNS 17 Bloom, and/or Dyna Grow Formulas, and/or Grow Nutrients formulas; PH drops as needed.
Delivery system for fertilizers: Nutrients will be delivered to plants via Ebb&Flow hydroponics system and/or HAND WATERING. Chemicals: 99.9% Isoprpyl Alcohol and/ or White Vinegar 5%- 6% solution for cleaning.
No fungicides or herbicides will be used. The only pesticides that will be those located on the DEC approved pesticide list (which is updated periodically by the DEC and will be updated in company records accordingly.

AMCO Received 11/1/2018

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

Self contained hydroponic system(s) are currently purported as industry best practices, Nome Grown will utilize this type of system in propagation. Plants grown in soil will be manually watered as needed. The company is committed to maintaining industry best practices. All waste water will be monitored for possible contaminants prior to discharge into the city of Nome's public sewer system. All discharge into the system will comply with all applicable regulations.

Section 5 – 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

5.1. The marijuana cultivation 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.

5.2. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including wastewater generated during marijuana cultivation, 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:

Nome Grown Organics will store, manage, and dispose of any solid or liquid waste, including wastewater generated during marijuana cultivation production, processing, testing in compliance with applicable federal, state, and local laws and regulations and 3 AAC 306.740.

Marijuana waste will be rendered unusable for any purpose for which it was grown or produced before it leaves the establishment. Marijuana waste will be rendered unusable by grinding and then mixing with other compostable and non-compostable material such as food waste, yard waste, cardboard, paper, and soil/ growing medium until the resulting mixture is no more than fifty percent (50%) marijuana waste. Marijuana waste includes:

(a) marijuana plant waste, including stalks, leaves, and stems that have not been processed with solvent;

(b) solid marijuana sample plant waste in the possession of a marijuana testing facility; and

(c) other waste as determined by the board.

Nome Grown Organics will:

(1) give the board the required notice (3 days) in the marijuana inventory tracking system-(Metrc) before making the waste unusable and disposing of it; except that the director may authorize immediate disposal on an emergency basis; and

(2) keep a record of the final destination of marijuana waste made unusable.

All organic materials produced will be composted and mixed with at least 50/50 other organic material. Any inert material disposal will be properly disposed of and in compliance with all applicable laws and ordinances. Nome Grown organics plans on employing the use of a common garden Compost grinder. The company will consult regularly with the city of Nome/ landfill operations manager and develop appropriate protocols in regard to any marijuana waste.

Any solid or liquid marijuana waste will be stored in a manner that prevents the growth of bacteria, microbes, or other undesirable microorganisms. The company will ensure that any marijuana or marijuana product that has been stored beyond its usable life, or was stored improperly, is not salvaged and returned to the marketplace. The company will monitor extremes in temperature, humidity, smoke, fumes, pressure, or radiation due to a natural disaster, fire, accident, or equipment and report such instances to the board.

(See additional Space: "Section 5.2"

AMCO Received 11/1/2018

Section 6 – Odor Control

Review the requirements under 3 AAC 306.430.

Answer "Yes" or "No" to the following question:	Yes	No
6.1. Have you received an exemption from your local government for the odor control requirement set forth in 3 AAC 306.430(c)(2)?	☐	☑

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

I am attaching to this form documentation of my odor control exemption from the local government. N/A

If "No" to question 6.1., describe the odor control method(s) to be used and how the marijuana cultivation facility will ensure that any marijuana at the facility does not emit an odor that is detectable by the public from outside the facility:

Nome Grown has installed, and will maintain in good repair, an activated carbon filter odor control system that eliminates any odor that is detectable by the public from outside the cultivation facility. This licensee will ensure a weekly "smell test" is conducted by walking around the properties perimeter detecting for the smell of marijuana. If the smell of Marijuana is detected, the company will take immediate corrective steps to the odor control system which may include augmentation.

Section 7 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465.

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

7.1. I understand and agree that the board or director will, from time to time, require the marijuana cultivation facility to provide samples of the growing medium, soil amendments, fertilizers, crop production aids, pesticides, or water for random compliance checks.

7.2. I will ensure that any individual responsible for collecting random, homogenous 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.

7.3. Describe the testing procedures and protocols the marijuana cultivation facility will follow:

An agent of Nome Grown LLC or the licensee will collect a random testing sample from each 5 pound harvest batch. That employee will prepare a signed statement certifying that each sample was randomly selected and will provide the signed statement to the testing facility with the testing samples. A copy of the signed statement will be maintained as a business record. Any agent of No,me Grown LLC that is transporting sasmples to be tested will obtain and maintain a valid marijuana handler permit.
The remainder of the batch from which the sample was drawn will be segregated until the testing results are recieved. All testing results will be entered into METRC and maintained as official business records.
Nome Grown LLC will provide a random sample from any growing medium, soil amendment, fertilizer, pesticide, or any crop production aid for any request from AMCO and shall bear the expense for all such requests.

AMCO Received 11/1/2018

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

Section 8 – Packaging and Labeling

Review the requirements under 3 AAC 306.470 and 3 AAC 306.475.

Answer "Yes" or "No" to the following question:	Yes	No
8.1. Will the marijuana cultivation facility be packaging marijuana for a retail marijuana store to sell to a consumer without repackaging?	X	

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Packages of marijuana intended to be sold directly to consumers without repackaging will be sold to other licensed facilities in individual packages that weigh up to one ounce of marijuana per a package. Each direct retail consumer package will be labeled with the warnings prominently displayed (warnings required in 3AAC306.475(a)(1-5)). Packages will be child resistant and oqupae in nature and shall have a space for the retail name or logo and license. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the on site manager will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Labels will be checked to ensure no cartoons or packaging that would entice children is used, including, but not limited to printed images that target persons under 21. A shipping container label will be placed on the outside of the entire transport container, and will be in compliance with 3AAC.306.475 - which requires the label to include the name and license of cultivation facility, each soil amendment, fertilizer or aid applied to medium including pesticides, herbicides, or fungicides, the harvest batch number, the net weight of marijuana, the three months of past testing results of the cultivation including microbial testing results. The facility will use certified scales in compliance with the Alaska Weights and Measures Act, and will maintain registration and inspection reports at the facility. After agents package marijuana they will be placed in sanitized, air-tight containers, labeled with all compliant labeling information, and be given a barcode for the inventory control system. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the on site manager will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. See example label on page 7

Answer "Yes" or "No" to the following question:	Yes	No
8.2. Will the marijuana cultivation facility be packaging marijuana in wholesale packages?	X	

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Wholesale packages of marijuana will be sold to other licensed facilities in packages up to five pounds consisting of a single strain or a mixture of strains with strain names identified on the label. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the on site manager will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Wholesale labels will be checked for (1) the date of final testing; (2) the cannabinoid potency profile expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months;(3) A statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. A METRC generated tracking label will be affixed to each package. The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the cannabinoid potency profile expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals.If a wholesale shipment sold to another licensed facility is from a harvest batch that has not been tested for contaminants, a label will be affixed identifying each such contaminant. See example label on page 7

I certify that as a marijuana cultivation facility, I will submit monthly reports to the Department of Revenue and pay the excise tax required under AS 43.61.010 and AS 43.61.020 on all marijuana sold or provided as a sample to a marijuana establishment, as required under 3 AAC 306.480.

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

Signature of licensee

STATE OF ALASKA
NOTARY PUBLIC
Lahka Peacock

Notary Public in and for the State of Alaska

Gregory Smith

Printed name of licensee

My commission expires: 5-13-21

Subscribed and sworn to before me this 16th day of May, 2018.

AMCO Received 11/1/2018

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

(Additional Space as Needed):

Continuation: Section 5.2:

Is, i

The facility will be disposing of : (1) Marijuana that is identified as contaminated ... nfected, or is otherwise rejected for quality or fails to meet quality testing; (2) waste from marijuana flowers ans plant material and trimmings; (3) run off water from cultivation and processing; (4) any other materilas or containers in contact with marijuana products that risk contamination and (5) any other marijuana that is deemed as waste by the licensee or the AMCO Director. Marijuana waste will be stored away from all other products in a locked container on the facilities premises, and will be rendered unusable prior to leaving the premises for disposal. A notice will be sent to AMCO enforcement not later than three days prior to rendering of waste unusable. Marijuana waste will be rendered unusable by grinding the materials and mixing with other compostable and non-compostable non- marijuana material until the resulting mixture is no more than 50% marijuana waste. Nome Grown will maintian a log on the final destination of all marijuana waste. The final mixture will be stored in "UL Listed" containers and securely stored on the premises. The licensee, or agent of, shall transport the waste to the local solid waste facility or ensure it will be composted after it has ben rendered unusable.

Continuation: 2.1

All marijuana cultivated at Nome Grown will be tracked from seed or clone to sale or destruction in METRC. All plants that reach eight inches will be tagged and assigned a METRC tracking number. Marijuana will be harvested and grouped into batches up to five pounds of individual strains and will be assigned a METRC harvest batch number. A random sample will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. A transport manifest generated from METRC will accompany each transfer of marijuana to another licensed facility. Marijuana will be sealed in containers not exceeding five pounds and placed inside a locked storage compartment within the vehicle or bed of a truck for wholesale transactions and up to one ounce containers for re-sale by retailers without re-packaging. Package labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. All transfers of marijuana to other licensed facilities will be done in compliance with the state and local regulations and Nome Grown internal transportation policies.

Sample for Wholesale

Cultivator: **Nome Grown, LLC** **License No**: **17594**
Harvest Batch No: ECBD12.8.17 **Package No**: 1A405030001B5000000789
Net Weight: 454g Flower **Last Three Months of Test Results for strain:** Wino
Testing Facility: XYZ Testing **License No:** 12345
THC: 12.87% **THCA:** 13.94% **CBD:** 0.1% **CBDA:** 0.03% **CBN:** 0.01%
Microbial Test: Passed **Fungicides:** None **Pesticides:** None **Herbicides:** None
Fertilizers: General Hydroponics **Soil Amendment:** None
Alaska Safety Warning: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

Sample for Retail

Front of Package

optional window to view product

Strain Name

Indica-Dominant

Net Weight: 3.5 g (0.124 oz.)

Back of Package

Cultivator: Nome Grown, LLC
License #17594
HB#:
Strain:

METRC #:
36B875000036451115AB
Testing Lab: ABC Lab
License #: 12345
Testing Date:
11/05/2018
Fungicides: None
Herbicides: None
Pesticides: None
Cannabinoid Profile:
Total THC: XXXX% **Total CBD:** XXXX% **THC:** XXXX%
CBD: XXXX% **THC-A:** XXXX% **CBD-A:** XXXX%
CBN: XXXX%

Alaska Safety Warning: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

*or similar format and content

AMCO Received 11/1/2018