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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-04: Marijuana Cultivation Facility

Why is this form needed?

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 Anchorage 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:	Pearl & Earl, LLC	**MJ License #:**	36063		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Pearl & Earl Extractions				
Premises Address:	3954 S. Crozier Lane, Unit B				
City:	Big Lake	**State:**	Alaska	**ZIP:**	99654

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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:

All marijuana cultivated at Pearl & Earl Extractions will be tracked from seed or clone to sale or destruction in Metrc. All plants that reach eight (8) inches (or as the regulations provide for as amended from time to time) will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches of up to ten (10) pounds of individual strains and assigned a Metrc harvest batch number.
A harvest batch representative will be collected from each harvest batch and sent to a licensed testing facility. The remainder of the batch will be segregated until the testing results are received. A transport manifest generated from Metrc will be sent with each transfer of marijuana to another licensed facility.

Marijuana will be sealed in not more than (10) ten-pound containers inside a locked storage compartment within the vehicle for wholesale transactions and up to one-ounce containers for resale by retailers without repackaging. 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 quality of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; and (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana.

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;**	[illegible]
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**	[illegible]
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.**	[illegible]

Section 4 – Cultivation Plan

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

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

Answer "Yes" or "No" to the following question:	Yes	No
4.2. 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:

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4.3. 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:

Pearl & Earl Extractions will ensure that marijuana cannot be visible by the public from any door or window to the cultivation areas. All entrances and exits will not have a direct view of any marijuana. All movement of marijuana will be discrete. All growing, processing, curing, drying, packaging, and labeling activities will be done inside the facility in a dedicated space not visible from outside. All marijuana will be securely packaged, labeled, and organized for transport within the facility before being moved to the transport vehicle.

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

Pearl & Earl Extractions will use Coco coir mixed with hydro clay for root stability. Only sourcing Coco that has been pre-tested for heavy metals and other contaminants. The methodology behind the grow is drain to waste (drain to evaporation)

4.5. Provide the complete product name and EPA registration # (if applicable) for each of the cultivation facility's pesticide and pest control product to be used. All proposed products must be on DEC's list of approved pesticides in the state of Alaska:

Pearl & Earl Extractions may utilize any of the approved "For Use on Cannabis" pesticides found on DEC's website at any time if needed.

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

The cultivation facility may use one or more of the following: FoxFarm, General Hydroponics or Advanced Nutrients and fertilizers or Organic fertilizers such as: Nitrogen, Phosphorus (Bone Meal, rock dust), Potassium (wood ash, kelp meal) and/or Calcium and Magnesium (Dolomite lime) depending on supply chain availability. No other chemicals, gases, or carbon dioxide will be used in the facility.

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

Watering will be done by hand and via drip irrigation and closely monitored.
There will be little to no wastewater from the operation, all water will be utilized, evaporate or collected in drip trays and re-used.

Section 5 – Waste Disposal

5.1. 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:

Pearl & Earl Extractions will be disposing of (1) marijuana that is identified as contaminated, infested, or is otherwise rejected for quality or fails to meet quality testing; (2) waste from marijuana flower, plant material, and trimmings; (3) runoff water from cultivation and processing; (4) any other materials or containers in contact with marijuana that risks contamination; (5) any other marijuana deemed as waste by the MCB or director.
Marijuana waste will be stored away from all other marijuana under video surveillance. Marijuana waste will be rendered unusable by grinding and then mixing with other compost able or non-compostable materials such as; food waste, yard waste, cardboard waste, vegetable grease/oil and soil until the final mixture is no more than fifty (50) percent marijuana waste.
The licensee or a designated employee will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, the reason for disposal, date it was rendered unusable, and final destination. Waste information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request. See above section 4.7 for waste water plan.

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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. [illegible]

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:

Pearl & Earl Extractions will install consistent fans that contain charcoal filters; each temperature control fan will have independent scrubbers attached.
A "smell log" will also be a standard business practice where an employee will walk the property line while attempting to smell marijuana odor. The employee will note if any smell is present, the wind direction, date, time, and action taken. If any odor is detected, filters will be replaced, and additional odor control methods will be installed (if needed). Smell logs will be kept as an official business record.

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. [illegible]

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. [illegible]

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

All harvested marijuana will be processed into ten (10) pounds batches. Pearl & Earl Extractions will collect a harvest batch representative from each batch. The individual responsible for collection will prepare a signed statement showing that each sample is representative of the harvest batch package and provide the signed statement to the marijuana testing facility and maintain a copy as a business record.

Pearl & Earl Extractions will transport all samples to a licensed testing facility in compliance with state regulations and the company's transport policies. Pearl & Earl Extractions will ensure that any individual transporting marijuana has a valid marijuana handler permit issued by AMCO. While awaiting the testing results, the remainder of the batch will be segregated in a secured quarantine area. Pearl & Earl Extractions will maintain all testing results as part of its official business records.

All testing results will be entered into Metrc. Pearl & Earl Extractions will comply with any request from AMCO for a random sample from any growing medium, soil amendment, fertilizer, crop production aid, pesticide, or water and shall bear the expense for all such requests.

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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?	☑	☐

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:

Marijuana packaged for retail sales without repackaging shall not exceed one ounce for resale to consumers; the retail marijuana store shall add the retail store's own identifying name or logo and license number. The individual units for retail sale shall not have any cartoon images or other images that target persons under the age of 21. The required warnings as set out in 3 AAC 306.475 -shall be on each retail unit. 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 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. Continued 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?	☑	☐

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 ten (10) 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, comer, 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 licensee or designated employee 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 the 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.
Continued on Page 7 ...

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

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

William Crabtree
Printed name of licensee

Signature of licensee

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(Additional Space as Needed):

8.1 Continued:
Any packaging done at the facility will be performed in an area specifically set aside for packaging and monitored with 24-hour video surveillance. Packaging will be uniform, with labels secure and prominently displayed. 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 the licensee or employee(s) package marijuana, they will be placed in sanitized, air-tight containers, labeled with all compliant labeling information, and given a bar code for the inventory control system. Plastic packaging will be heat-sealed without an easy-open tab, dimple, comer, 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. The licensee or employee(s) will check all final packages to ensure they will secure marijuana from contamination and not impart toxic or deleterious substances. No images that appeal to children, such as cartoons or similar images, will be on the packaging. 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. Pearl & Earl Extractions will use certified scales in compliance with the Alaska Weights and Measures Act and maintain registration and inspection reports at the facility.

8.2 Continued:
(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 not tested for contaminants, a label will be affixed identifying each contaminant.

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(Additional Space as Needed):

Front of Package	Back of Package
window to view product *Strain Name* **Indica-Dominant** Net Weight: 3.5 g (0.124 oz.) PLACE HOLDER FOR RETAILER TO PUT RETAILER STICKER LABEL	Cultivator: Pearl & Earl Extractions License #36063 HB#: northstarvalley252018 Strain: North Star OG **METRC #:** 36B875000036451115AB **Testing Lab:** ABC Lab **License #:** **Testing Date:** 02/05/2018 **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

Retailer: **License No:**
Cultivator: Pearl & Earl Extractions. **License No: 36063**
Harvest Batch No: **Package No:**
Net MJ Weight: **OZ(g)** **Strain:**
Testing Facility: **License No:**
THC: **THCA:** **CBD:** **CBDA:** **CBN:**
Microbial Test: **Fungicides:** **Pesticides:** **Herbicides:**
Fertilizers: **Soil Amendment:**

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.

License # 36063

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