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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:	Houston Refinery, LLC	**MJ License #:**	22396		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	Houston Refinery				
Premises Address:	490 Kenlar Rd, Suite B				
City:	Houston	**State:**	Alaska	**ZIP:**	99694

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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 Houston Refinery 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 per the evolving testing regulations. Regardless of the batch size required under the newly proposed testing regulations, all batches for testing purposes will be of one single strain 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 ten (10) 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 Houston Refinery's internal transportation policies.

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;** TK

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** TK

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.** TK

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:

Houston Refinery will use the main floor as a multipurpose/Flower room in which, this room will be used for both flowering and for trimming. The area under cultivation including trimming is 26' 6 3/8" x 32' = 854 square feet

The Basement will be a multipurpose room, used for Clones, seeds, veg, mothers, packaging and drying/curing. The room is 32' x 32' with 1,024 square feet available for cultivation

Total area under cultivation = 1878 square feet

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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. TR

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:

Houston Refinery will ensure that marijuana will not be visible to the public from outside the facility in accordance with 3 AAC 306.430. All movement/transport of marijuana will be discrete; Licensees will take extra care to ensure no marijuana can be visible by the public during movement/transport. All growing, processing, curing, packaging and labeling activities will be done inside the facility, 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.

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

Pro-Mix BX Mycorrhizae, Pro-Mix HPCC Mycorrhizae, Pro-Mix MP Mycorrhizae, Worm Castings, Coco coir, FoxFarm Happy Frog Potting Soil, FoxFarm Ocean Forest Potting Soil, FoxFarm Bush Doctor Coco Loco Potting Mix, FoxFarm Ko Ko Bop Coconut Coir Blend Grow Bag, FoxFarm Salamander Soil Potting Mix, FoxFarm Strawberry Fields Potting Soil, FoxFarm Lucky Dog K-9 Kube Growers Blend, FoxFarm Big Boy Pants Plain Jane Coconut Coir, FoxFarm Happy Frog Soil Conditioner, FoxFarm Original Planting Mix, FoxFarm Light Warrior Seed Starter, FoxFarm Big & Chunky Perlite. Houston Refinery will be using a Hydroponic hand water drain to waste. Continued on Page 7...

4.6. 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:

Houston Refinery may utilize any of the approved for use on cannabis pesticides that are on the State of Alaska DEC's website.

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

General Hydroponics product line, including; FloraMicro, FloraMicro Hardwater, FloraGro, FloraNova Bloom, CocoTek Grow A, CocoTek Grow B, CocoTek Bloom A, CocoTek Bloom B, FloraDuo A&B, MaxiGro, MaxiBloom, RapidStart, FloraBlend, Floralicious Grow, Floralicious Bloom, Armor Si, CALiMaGic, Diamond Nectar, Liquid KoolBloom, Dry KoolBloom, FloraNectar (FruitinFusion, PineappleRush, BananBliss, GrapeExpectations, SugarCane, BlueBerry Dream), FlorKleen, Ph UP, Ph Down, Ph Test Kit, Compost Tea. Growth Science (nutrients) Products; Abundant Sea, Base A, Base B, Strength, Micro, Trees, Flowers, Silica, Flame, Frosty Hugs, Bud Strength, Blast off, Game time
Carbon Dioxide will not be used in this cultivation facility.

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

Houston Refinery will start with a hand watering system. This may be changed in the future when better methods are achieved. Houston Refinery does not anticipate any waste water because water is controlled by hand watering. There will be drip trays underneath the plants that will collect the excess water. Whatever water that will be in these pans will most likely evaporate or be sponged up and re-used.

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. TK

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:

Houston Refinery will be disposing of: (1) marijuana that is identified as contaminated, infected or is otherwise rejected for quality or fails to meet quality testing; (2) waste from marijuana flowers, plant material and trimmings; (3) run off 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 in a locked container located against the exterior of the building and will be rendered unusable prior to leaving the facility for disposal. A notice via email (% waste report form) will be sent to AMCO enforcement not later than three days prior to rendering waste unusable and will be recorded in METRC. Marijuana waste will be rendered unusable by grinding and then mixing with other compostable and non-compostable material such as; food waste, yard waste, vegetable based grease or oils, paper waste, cardboard waste, plastic waste, or oil, until the resulting mixture is no more than fifty percent (50%) marijuana waste. Houston Refinery may also compost marijuana waste mixed with compostable materials or incinerate the waste. Management will maintain a log on the status of all marijuana waste, tracking the type, date of disposal, reason for disposal, date it was rendered unusable, and final destination. Houston Refinery anticipates to have little to no water run off. Houston Refinery does not anticipate a large amount of liquid waste as a hand-watering method will be used which will prevent "over-watering" the plants. Any excess water will be sponged up from the drip trays and re-used. Waste information will be recorded in the disposal log and securely stored as a business record, available to AMCO upon request.

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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.	

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:

Odor control will be accomplished through the use of and HVAC system with Carbon Filters. Filters will be replaced on a regular basis and the time, date, employee, and reason for replacing will be logged both on file and backed up digitally. A smell log will also be implemented having an employee walk the property premises and ensure no odors from the facility are escaping. If any suspicious odor is detected filters will be swiftly replaced and/or additional carbon filters will be added in order to control odors.

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.	TK
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.	TK

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

Marijuana will be harvested and grouped into batches. All batches for testing purposes will be of one single strain 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 individual responsible for collection will prepare a signed statement attesting that each sample was randomly selected, provide a signed statement to the testing facility, and maintain a copy as a business record. The remainder of the batch will be segregated in the secured quarantined product area until the testing results are received. Houston Refinery will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The facility 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 the secured quarantine area. The facility will maintain all testing results as part of its official business records and will enter the results in METRC. Houston Refinery 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:

As required by AMCO regulations, Houston Refinery will package bud and flower for sale to a retail marijuana store in a package not exceeding one ounce for resale to consumers without additional handling by the retail marijuana store, not exceeding five pounds for repackaging by the retail marijuana store, and marijuana product manufacturing facility. The packaging will be contamination proof and non toxic. Packaging will not use any printed images (including but not limited to cartoons) that specifically targets persons under 21 years of age and be identified by a tracking label generated by METRC. Sample labels 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, 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, or a licensee 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; Continued 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

Tony Kuse
Printed name of licensee

AIMEE ROCUSH
My Commission
NOTARY PUBLIC
Expires 08-29-2023
STATE OF ALASKA

Aimee Rocush
Notary Public in and for the State of Alaska

My commission expires: 8/29/2023

Subscribed and sworn to before me this 21st day of February, 2020.

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(Additional Space as Needed):

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 that has not been tested for contaminants, a label will be affixed identifying each such contaminant.

4.5 Continued: Utilizing an individual root pouch containing a medium mixture place on spacer sitting on a dip pan basin.

Front 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

Back of Package

Cultivator: Houston Refinery, LLC
License #22396
HB#: northstarvalley252018
Strain: North Star OG

METRC #: 36B8750000036451115AB
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

Cultivator: Houston Refinery, LLC License No: 22396
Harvest Batch No: Package No:
Net Weight: 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.

*Logo to be added

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