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

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STATE OF ALASKA

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 the **Marijuana Establishment Operating Plan (Form MJ-01)**, 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 those regulations. If your business has a formal operating plan, you may include a copy of that operating plan with your application, but all fields of this form must still be completed per 3 AAC 306.020 and 3 AAC 306.420(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
- Odor control
- Testing procedure and protocols
- Security

This form must be submitted to AMCO's main office before any marijuana cultivation facility license application will be considered complete.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	7G Unlimited LLC	**License Number:**	15223		
License Type:	Limited Marijuana Cultivation Facility				
Doing Business As:	Rock Hard Nugz AK				
Premises Address:	240 W. Kristy Dr.				
City:	Wasilla	**State:**	ALASKA	**ZIP:**	99654

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and be able to answer "Agree" to all items below.

The marijuana cultivation facility will not:	Agree	Disagree
Sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation	☑	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on its licenses premises or within 20 feet of the exterior of any building or outdoor cultivation facility	☑	☐
Treat or otherwise adulterate marijuna with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana	☑	☐

Section 3 – Cultivation Plan

Review the requirements under 3 AAC 306.420, and identify how the proposed premises will meet the listed requirements.

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:

See attached CAD drawing that accurately illustrates the dimensions of the proposed licensed premises intended to be dedicated to the cultivation of marijuana.

Space dedicated to Clones = 1 Clone Tray 2.25'L x 1.46'W = 3.3sqft

Space dedicated to Mother Plants = 2 Rolling Trellises x (4.0'L x 2.0'W per Trellis) = 16.0sqft

Space dedicated to Vegetating Plants = 4 Fixed Trays x (4.33'L x 4.33'W per Tray)= 75.0sqft

Space dedicated to Flowering Plants = 16 Rolling Trellises x (9.5'L x 2.5'W per Trellis) = 380sqft

Total Square Feet Under Cultivation = 3.3sqft + 16.0sqft +75.0sqft + 380sqft = 474.3sqft

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

This proposed Limited Marijuana Cultivation Facility will grow Clones, Mother Plants, Vegetating Plants and Flowering Plants utilizing the hydroponic Deep Water Culture (DWC) method of growing whereby only the roots of the plants are immersed in a highly aerated nutrient solution. In the clone stage the cuttings taken from the mother plant are suspended in foam rings that allow the end of the cut stem to be constantly sprayed from below until root eventually develop and hang in the aerated nutrient solution below. Plants grown in the Vegetating and Flowering Stages will be grown in expanded clay pellets as the sole growing medium with the roots spreading out through the expanded clay pellets and out through the openings on the side of the basket which allow the roots to then be suspended in the highly aerated nutrient solution below the bottom of the basket.

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

This proposed Limited Marijuana Cultivation Facility will NOT utilize any CO2 delivery systems for enhancing plant growth due to the possible life safety issues and potential costs for mitigating such risk.

Fertilizers(nutrients) intended to be used in this marijuana growing operation will be the CANNA AQUA series of cloning, vegetating and flowering nutrients. Additionally, Clonex spray, CalMag Plus nutrient supplement and pH Up/Down will also be used through each stage of growing. We intend only to use a pure lemon essential oil mixture with water misted by hand daily to eliminate any nuisance plant pest(s) that may appear.

Nutrients will be delivered to Clones via a lower reservoir and an automatic pump and mist sprayers. Each Mother Plant will be self-contained within it's own round 5-gallon bucket/basket lid with only the roots immersed in a highly aerated nutrient solution. All Vegetating Plants and Flowering Plants will be grown in 6.6-gallon square buckets with basket lids and will employ deep water culture (DWC) for immersing roots in a highly aerated nutrient solution constantly being circulated between the single control bucket and the plant growing buckets. In the vegetating stage, eight growing buckets are in each fixed veg tray along with a single control bucket. In the flowering stage there will be four growing buckets and a single control bucket in each rolling trellis. Nutrient concentrations and pH levels for all stages of growth will be monitored and adjusted by hand each and every day without the use of any automated nutrient or pH measurement and delivery systems. All plants grown in the vegetating and flowering stages will use expanded clay pellets in the lid baskets as the sole medium to support the plant roots and stalk.

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

This proposed Limited Marijuana Cultivation Facility will utilize a private water well for supplying fresh water to the growing facility. This well water will then be processed through reverse osmosis technology to reduce any potential for unwanted contaminants to be passed through to growing marijuana plants. This proposed cultivation facility will produce limited volumes of liquid waste due to the very small nutrient volumes required in such a highly aerated root immersion growing system. All liquid waste will be drained from our control and grow buckets and transferred directly to one of four onsite wastewater storage tanks to be used solely for the disposal and storage of spent liquid nutrient wastes. This liquid waste will be beneficially reused for watering gardens and flower beds on the property during the spring and summer and in the colder times of the year pumped off by a licensed liquid waste hauling company for disposal at one of the Anchorage Water and Wastewater Utility's Septage Receiving Stations. The sole onsite bathroom dedicated to the proposed licensed premises drains domestic wastewater from the sinks and toilet to a newly designed 5-Bedroom septic system capable of handling the expected flows from all domestic wastewater generated onsite. At no time will any liquid waste generated in the cultivation of marijuana be disposed of into the onsite septic system. Offsetting well water use will be achieved by harnessing water from all heat exchangers, airhandler and dehumidifiers located throughout the proposed licensed premises.

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Describe the marijuana cultivation facility's waste disposal arrangements:

I currently utilize Alpine Septic Pumping to remove septic solids from my onsite septic tank which is solely domestic waste generated from within the home and only the toilet and bathroom sinks in the proposed licensed premises. All liquid waste generated from the proposed marijuana cultivation facility will be segregated into four covered and secured onsite wastewater storage tanks. As much of the liquid waste generated from marijuana cultivation as possible will be beneficially reused onsite during the spring and summer months to water our vegetable and flower gardens. Any time stored wastewater cannot be beneficially reused and onsite stored liquid waste reaches 80% of capacity I will hire Alpine Septic Pumping or other SOA licensed liquid waste hauler to pump out all onsite wastewater storage tanks to a safe volume and dispose of this liquid marijuana waste at the Turpin Septage Receiving Station operated by Anchorage Water and Wastewater Utility.

As detailed within Section 5, pages 12 and 13 of MJ-01, all solid marijuana waste will be made unusable for any purpose for which it was grown only after three days written notice has been made to the Marijuana Control Board. Once this solid marijuana waste has been made unusable, it will ALL eventually be mixed with already composted plant material in our onsite compost bin and beneficially reused during the spring and summer months as mulch for our gardens. During the winter months, this unusable solid marijuana waste may be stored onsite in sealed five-gallon buckets until it can be mixed with previously composted waste once ambient temperatures promote bacterial decomposition.

Section 4 – Odor Control

Review the requirements under 3 AAC 306.430, and identify how the proposed premises will meet the listed requirement.

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:

This proposed Limited Marijuana Cultivation Facility will be utilizing a sealed growing environment whereby we will not be using large amounts of airflow as our primary means of removing the heat generated from the high intensity discharge lights used to grow marijuana. Instead we will be using a liquid chilling system along with numerous small heat exchangers to remove 100% of the heat generated from HID lights and ballasts. We will have very little exchange of air from the sealed grow environment to the outside except at night when the lights are off until the following day. This also significantly reduces the possibility of smelling the pungent odor of the marijuana being grown inside the proposed licensed premises.

We will have several activated carbon filters that will be continually recirculating ambient air within the sealed grow environment which further reduces the potential for losing control of the odor produced when growing marijuana. At night when the growing lights are off and the plants are respirating, there will be an increase to the exhaust fan speed that will allow for complete gas exchange during the dark cycle.

All exhaust venting to the outside will go through activated carbon filters and will always create a negative pressure within the growing environment that will always ensure smells are not allowed to escape except through activated carbon filters.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the item below.

I understand and agree that:	Agree	Disagree
The board will or the director shall 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	☑	☐

Describe the testing procedure and protocols the marijuana cultivation facility will follow:

Upon notification that the board or the director require samples for random compliance checks of the proposed facility, a licensee or an authorized agent of the proposed facility will notify an independent testing laboratory (of the states' choice if applicable) to send a representative to collect the required samples. This way, a chain of custody is established, and the possibility of unintentional contamination due to improper sample collection practices is minimized.

All marijuana product batches will be tested for a battery of state required impurities and/or contaminants by a state licensed lab in accordance with 3 AAC 306.455. The facility will collect random samples from homogeneous batches of individual strains of bud or flower in the amount required by the selected testing facility. Marijuana will be segregated in to five (5) pound lots.

We will further select homogeneous samples from our limited cultivation facility for random testing during our growing cycles in order to ensure the highest of quality of standards are met.

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Section 6 – Security

Review the requirements under 3 AAC 306.430 and 3 AAC 306.470 – 3 AAC 306.475, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the two items below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the packaging of marijuana requirements under 3 AAC 306.470	☑	☐
Read and understands and agrees to the labeling of marijuana requirements under 3 AAC 306.475	☑	☐

Restricted Access Area (3 AAC 306.430):

	Yes	No
Will the marijuana cultivation facility include outdoor production?	☐	☑

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

MJ-04: SUPPLEMENT

SAMPLE LABEL #1

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

Retailer: ABC Buds, LLC.
License No. 12316

BARCODE: IIIIIIIIIIIIII
VENDOR LIC NO: 15223
VENDOR NAME: Rock Hard Nugz AK

OG KUSH BUD 1.0 Grams
Harvest Batch No. 1A34fgh123

Net. Wt: 1.0 GR (0.03527396 OZ)
TEST: THCA: 18.48%, THC 16.6%, CBD: .06%

SAMPLE LABEL #2

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

Retailer: ABC Buds, LLC.
License No. 12316

BARCODE: IIIIIIIIIIIII
VENDOR LIC NO: 15223
VENDOR NAME: Rock Hard Nugs AK

Green Crack 1.0 Grams
Harvest Batch No. 1A34fgh5678

Net. Wt: 1.0 GR (0.03527396 OZ)
TEST: THCA: 23.48%, THC 20.6%, CBD: .05%

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ROCK HARD NUGZ

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Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility:

The proposed Limited Marijuana Cultivation Facility has no portion of the facility that is visible to the public and all exterior security doors have Grade 1 commercial deadbolt locks that will be locked at all hours of the day.

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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 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 perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Signature of licensee

Robert Gustafson
Printed name

Subscribed and sworn to before me this 9th day of October, 2017.

ERIKA J. ROSENBERGER
Notary Public
State of Alaska
My Commission Expires Oct 27, 2020

Erika J Rosenberger
Notary Public in and for the State of Alaska.

My commission expires: 10/27/2020

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(Additional Space as Needed):

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