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 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:	ALASKA SKUNKWORKS, LLC.	**License Number:**	13776		
License Type:	STANDARD MARIJUANA CULTIVATION FACILITY				
Doing Business As:	ALASKA SKUNKWORKS, LLC.				
Premises Address:	37331 S. TALKEETNA SPUR HIGHWAY				
City:	TALKEETNA	**State:**	ALASKA	**ZIP:**	99676

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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:

Total size to be under cultivation is: 4,752 sq. ft. There are a total of 5 rooms that will be under various stages of cultivation.

Flower Rooms = 3,770 sq. feet

- 65' x 13' = 845 sq'
- 65' x 15' = 975 sq'
- 65' x 15' = 975 sq'
- 65' x 15' = 975 sq'

Veg Room = 960 sq. feet

42.7' x 23' = 982 sq ft.

Total Under Cultivation: 4,752.00 SQ. FT.

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

G• Pro Mix BX: Canadian Sphagnum Peat Moss, Perlite, Vermiculite, Dolomitic and Calcitic limestone, wetting agent, Mycorrhizae-endomycorrhizal fungi

- Down To Earth Coconut Coir Fiber-: coconut coir fiber
- Mother Earth Perlite- coarse grade perlite
- Wonder Worm Earth Worm Castings: worm castings
- Down to Earth 100% Natural Compost: composted forrest products, Composted bark, Composted dairy manure, kelp meal and oyster shell
- Royal Basmati Rice: basamati rice

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

- Grandmas Molasses: un-sulphured molasses
- Nitron's Liquid Fish: fish emulsion
- Pacific Pearl Oyster shell: oyster shell
- REV crop pro formula (humid Acid): derived from peet
- Down To Earth Alfalfa Meal: Alfalfa meal
- General Organics CaMg: Calcium Carbonate, Magnesium Carbonate
- Down to Earth Kelp Meal 1-0.1-2: Derived from Sea Kelp
- Down to Earth 9-3-1 Bat Guano: Derived from Bat Guano
- Down to Earth All Purpose 4-6-2 Fertilizer: Fish bone meal, Blood meal, Feather meal, Alfalfa meal, rock phosphate, Langbeinite, Greensand, Kelp meal, Humid Acid from Leonardite.
- General Hydroponics PH UP-Potassium Hydroxide and Potassium Carbonate
- General Hydroponics PH DOWN-Citric acid and Phosphoric acid and mono ammonium phosphate.
- CO2 Make and model of tank is a TOMCO2 Systems 675 CA which is a 6 ton skid mounted Horizontal tank. See Ex. 1.
- Delivery system for CO2:

CO2 injection into each room via specified equipment and controller from skid mounted exterior tank as follows:
Model GPAX 5 Ton split system air conditioning unit including: casing, insulation,belt drive centrifugal fans, indoor evaporator, split refrigeration system (compressors, TXV, crankcase heater), stainless drain pan, wall mount controller, RA filter, refrigerant/piping specialties (high/low pressure switches, anti cycle timer, filter drier, crankcase heater, sight glass), hot gas reheat, disconnect switch, outdoor condenser, unit rated to -30, dual set points, remote web access for status, alarms and set point adjustments, CO2 and Light sensor, CO2 injection and control.

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

Plants will be watered by means of hand watering, water can, or later by means of a reservoir fed, timer controlled, metered drip emitter style system. The irrigation system to be used in the proposed cultivation facility is designed to minimize waste. All excess run off from plants will be collected in collection containers, reused and any remainder will be allowed to evaporate.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Extra care will be taken not to generate excess waste in the cultivation process. However, in the event that waste is generated that cannot be reused in a beneficial way, it will be stored on-site until disposal can be arranged with Alaska Waste or similar company or taken to the Talkeetna landfill for solid waste disposal after mixing/mulching in a 50/50% ratio with organic biodegradable materials such as grass clippings, leaves, food or household paper etc. All attempts will be used to once again utilize the water on the plants, however, excess water will be disposed of via commercial septic and commercial leach field. A certain percentage of unused water will also be subject to natural evaporation. Any solid plant waste (stems, root balls, leaf material etc.) will be ground up and mixed with a minimum 50% organic material (soil/ grass clippings/ leaves/household garbage(non-plastic materials) as set forth above. The unusable material will then be subject to disposal through Alaska Waste, similar company or the local landfill in the Talkeetna, AK. area which will take the material once it has been rendered unusable. Three days written notice must be given to AMCO in writing by email prior to making the marijuana unusable. METRC does not flag waste, however, they are working on it.

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:

Canister style, activated carbon filters will be utilized in conjunction with ducted fans within the proposed cultivation facility to prevent any marijuana odor from being detected by the public. Ozone generators may be utilized if determined necessary near exits to mitigate any unwanted smell from exiting the facility that may/could exist.

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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. Harvested marijuana will be segregated in five pound lots. While results are pending, batches will be "quarantined" until it is deemed acceptable by the testing facility.

We will further select homogeneous samples from our 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:

n/a

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Sample Labels & Contents

A. Label for Back of Package

ALASKA SKUNKWORKS, LLC. Strain: Sour Diesel

LOGO GOES HERE *Total THC: 18.45%*

HB: 000114 *Total CBD: .05%*

Type: Hybrid Sativa *Total Terpines: 4.2%*

Microbial: Passed *Harvest Date: xx/xx/xxxx*

Nt. Wt. 3.5 Gr.

Cultivator: AK Skunkworks, LLC. License No. 13776

Retailer: Alaska Fireweed Anchorage, AK. Lic. No. 10307

Bar code goes here

B. Label for Front of Package

ALASKA SKUNKWORKS, LLC

LOGO GOES HERE

SOUR DIESEL Cannabis

Premium Cannabis from Talkeetna, AK.

Hybrid Sativa Total THC: 18.45%

Net Wt. 3.5 Gr.

(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."

C. Label for Side of Tamper-Evident Transport Container

Test Facility Name: Weed Tester People, LLC.

License No. 123456

THC 20% Total THCA 23.0% CBD .05%

CBDA 20% CBN 20%

Microbial Test: X Pass Fail _

Residual Solvents Test: X Pass Fail _

Contaminants Test Results:

Molds, Mildew & Filth: X Pass Fail_

Herbicide, Pesticides & Fungicides:

X Passed _ Failed

Harmful Chemicals: X Pass Fail _

Cannabinoid Testing Profile last three months:

____% Lowest THC ____% Highest THC

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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 facility is designed to be a completely indoor growing cultivation facility. There will be no direct outside access from the designated growing area. No marijuana will ever be visible to the public. There are no windows within this facility.

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

VERN W. GUNTER

Printed name

Subscribed and sworn to before me this 14th day of September, 2017.

OFFICIAL SEAL
Cynthia K. Giddens
Notary Public-State of Alaska
My Comm. Expires 01/01/2019

Cynthia K. Giddens

Notary Public in and for the State of Alaska.

My commission expires: 1-1-2019

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(Additional Space as Needed):

n/a.

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TOMCO$_2$ SYSTEMS

Industrial Equipment

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C Series CO_2 Storage Units

Urethane Insulated Horizontal

TOMCO$_2$ Systems offers this efficient CO_2 storage unit designed with wide flanged rectangular skids for use in areas where placement is a concern. It provides balanced weight distribution and low maintenance costs. The C Series offers totally enclosed valves, electrical and refrigeration. It may be locked conveniently for safety and security.

Sizes range from 3.75 tons to 60 tons (3.4 MT to 54.4 MT).

An aluminum outer jacket conceals a 4" (10.16 cm) polyurethane insulation which allows for long life and maximum protection. Auxiliary outlets are available for additional liquid and vapor supply needs.

Electrical panels inside control cabinet for refrigeration system and optional pressure build vaporizer

GENERAL SPECIFICATIONS

Pressure Vessel: Constructed in accordance with Section VIII, Division 1 of the ASME Code for Unfired Pressure Vessels for a maximum allowable working pressure (MAWP) of 350 psig (24.1 bar). 2" NPS and under tank nozzles are schedule 80 stainless steel.

Seismic: Per UBC 1997 seismic zone 4, importance factor of 1.25, soil profile types Sa, Sb, Sc, Sd or Se, 2 km or less to a type A seismic source. Design to other codes available on request.

Piping: Schedule 80 seamless pipe, 2,000 lb. (907.2 kg) forged steel fittings, 1/4 turn stainless steel isolation valves.

Safeties: Dual ASME approved direct spring operated, sized for unconfined outdoor installation. Larger capacity relief valves will be required for installation when located indoors or in a fire area.

Insulation: 4" (10.16 cm) polyurethane

Outer Jacket: 0.063" (0.16 cm) aluminum

Vaporizers Optional: Steam or electric, capacities to 6,000 lbs./hr. (2,722 kg/hr)

Liquid Level Gauge: Differential pressure indicator type with 6" (15.24 cm) dial

Pressure Gauge: 0 to 600 psig with 6" (15.24 cm) dial

Electrical Characteristics: 208/220/230/460V, 60 Hz., 3 Ph. Other voltages available upon request.

Control Cabinet: 0.063" (0.16 cm) prefinished aluminum with lockable access door.

NOTE: Safety relief valve removed for shipment due to height requirements on 10-ton (9,072 kg) and larger units.

All CO_2 storage units are manufactured using normalized SA-612 carbon steel plate.

Manway installed for internal inspection and ease in cleaning.

Model	Nominal Ton Capacity	Height	Length	Width	Approx. Empty WT.
3.7575CA	3.75 tons	8' 6"	12' 0"	6' 2"	8,000 lbs.
	3.4 MT	2.89 m	3.66 m	1.88 m	3,629 kg
675CA	6 tons	8' 6"	16' 0"	6' 2"	10,000 lbs.
	5.4 MT	2.59 m	4.88 m	1.88 m	4,536 kg
1075CA	10 tons	8'6.5"	15'9"	7'6"	13,500 lbs.
	9.1 MT	2.60 m	4.80 m	2.29 m	6,124 kg
1475CA	14 tons	8' 6.5"	19' 9"	7'6"	15,500 lbs.
	12.7 MT	2.60 m	6.02 m	2.29 m	7,031 kg
1875CA	18 tons	8'8"	23'9"	7'6"	17,500 lbs.
	16.3 MT	2.64 m	7.24 m	2.29 m	7,938 kg
2675CA	26 tons	8' 8"	32' 0"	7'6"	25,000 lbs.
	23.6 MT	2.64 m	9.76 m	2.29 m	11,340 kg
3075CA	30 tons	8' 8"	36' 0"	7'6"	30,000 lbs.
	27.2 MT	2.64 m	10.98 m	2.29 m	13,608 kg
3475CA	34 tons	8' 8"	40' 0"	7'6"	33,900 lbs.
	30.8 MT	2.64 m	12.19 m	2.29 m	15,377 kg
3875CA	38 tons	8' 8"	45' 9"	7'6"	38,300 lbs.
	34.5 MT	2.64 m	13.94 m	2.29 m	17,373 kg
5075CA	50 tons	8'8"	56' 6"	7'6"	45,000 lbs.
	45.4 MT	2.64 m	17.22 m	2.29 m	20,412 kg
6075CA	60 tons	8'8"	66' 6"	7'6"	60,000 lbs.
	54.4 MT	2.64 m	20.27 m	2.29 m	27,216 kg

TOMCO$_2$ Systems
3340 Rosebud Road
Loganville, Georgia 30052 USA

1-800-832-4262
PH 770-979-8000
FX 770-985-9179

E-mail: info@TOMCOsystems.com
www.TOMCOsystems.com

EXHIBIT 1

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