Alcohol and Marijuana Control Office
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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:	Ace of Spades LLC	**MJ License #:**		10034	
License Type:	Standard Marijuana Cultivation				
Doing Business As:	Odin's Wagon LLC				
Premises Address:	29453 Kalifornsky Beach Road				
City:	Kasilof	**State:**	Alaska	**ZIP:**	99610

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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 mother plants, clones, and seeds that are brought into our facility will be logged into the METRC tracking system. All seeds that are planted will be transferred to clones once they reach a certain height and logged into the METRC system and in Odin's Wagon log including: strain name; clone batch date; and amount of clones. Any destroyed clones will be logged in METRC including: destroy date; clone batch name; count; and reason for disposal. Once clones reach no bigger than 6" in the Veg room, they will be assigned a METRC tag and some might stay as mother plants to take cuttings from, and some might be transferred into the flower rooms and flower phase in METRC. All veg plants that become waste or any trimming and manicuring of leaf that occurs will be logged into METRC including tag number, weight, reason for disposal, and date. All flower plants that finish the flower phase will be harvested and and moved into the harvested tab in METRC and trimmed in our trimming room. A log of the all plant tag numbers, plant weights, harvest batch name and harvest date, and any flower plants that become waste will be logged into METRC. Waste made from harvesting plants will be recorded into METRC including tag number, weight, reason for waste, date, and all tags from harvested plants will be kept on site for a minimum of one year. All harvested product will be placed in our drying room and labeled by harvest batch date and strain name and cure for around 2 weeks. Once deemed for testing, a random sample will be taken and assigned a package tag and logged into METRC and sent with a manifest. Once test results are back and passed, product will be packaged for wholesale and assigned a tag, weighed, and have strain name, harvest date, and test results attached before being transferred to retail stores in compliance with AMCO regs.

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;	E.R.
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	E.R.
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.	E.R.

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:

Flower Room 1A: 25' x 26' = 650 sq ft
Flower Room 1B: 18' x 26' = 468 sq ft
Flower Room 1C: 21.15' x 26' = 550 sq ft
Vegetative & Clone Room: 8' X 26' = 208 sq ft
Upstairs Mother Room/Trimming: 30' x 20' = 600 sq ft

Total square footage under cultivation = 2,476 sq ft

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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. EIR.

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:

Our facility has no windows downstairs on the lower floor of the building, so no one from the public or outside the facility can see in from the ground level. The only windows are on the upper floor which are one window located on the north side of the building, and one window located on the south side of the building. At no time shall any member of the public be able to have direct line of sight into the operational cultivation facility. You cannot see into the windows from the ground floor. Windows will also remained locked at all times for added security.

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

Cuttings will be taken off mother plants and put into rock wool cubes to propagate. The cutting will then be transferred to misters which contain water that mist their roots while they continue to grow. Cuttings will then be taken once they reach 6" and transferred to the flower rooms and assigned a METRC tag. The flower rooms will have water reservoirs and pvc tubing where the plants will be suspended in a perpetual flowing water system, using only neoprene sleeves to keep the plants suspended in the tubing. The system used is called Nutrient Film Technique. Mother plants will be kept in soil and sometimes a flower room will also utilize dirt growing on occasion.

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

We will not be using any pesticides or pest control products in our facility. Only pest control used will be yellow sticky pads to catch any flying gnats, and constant fans circulating air to prevent bugs from landing on plants. We will be a pesticide free facility.

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

Odin's will be using the following fertilizer brands: General Hydroponics; Advanced Nutrients; Botanicare. Clonex rooting hormones will be used for all cloning procedures. Cleaning supplies and chemicals will include: hydrogen peroxide; bleach; isopropyl alcohol; and simple green to sterilize all cloning and propagation equipment. No carbon dioxide will be used.

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

Mother plants will be hand watered on a day to day basis with no water runoff, only small trays under the pots to collect excess water. The hydroponic system in our flower rooms is a perpetual nutrient film technique system that uses water reservoirs below the tables to collect water and send it down the tubes where the plants are placed using a pump in the bottom of the reservoir, sending water running down in a stream to the roots of the plants. Excess water and nutrients drain out of roots and back into the reservoir. Freshly filtered reverse osmosis water will be supplied to the growing areas from 4 (300 gallon) holding tanks via plastic water piping.

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. EiR

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:

Marijuana waste will be mulched with a commercial grade chipper/grinder and mixed with one or more of the following at 50/50 equal parts compostable or non-compostable material: dirt, ground up cardboard, food waste, yard waste, vegetable oil, or paper waste. All marijuana plant waste including roots, stalks, leaves, and stems that have not been processed with solvent and any other waste determined by MCB will the recorded and properly disposed of. All marijuana waste will be logged in METRC including tag number, harvest batch, weight, reason for disposal, waste date, disposal date, and employee initials. Waste will be stored in a locked container until an employee brings it to the waste station. We will notify amco at least 72 hours before marijuana waste is rendered unusable and disposed of in compliance under 3 AAC 306.740. Nutrient reservoirs will provide irrigation to plants in each stage of development with a pump in the reservoir constantly recirculating water and nutrients back to the plants. Excess water will drain out of the plants and back into the reservoir. What little wastewater is generated during the process will be recycled using our reverse osmosis system or diluted to 150 parts per million or less before being discarded down a private residential drain system.

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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. E.R.

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:

All rooms in the building are equipped with carbon filters on all exhaust fans that will be replaced as needed. Fans will help to maintain a negative pressure which will ensure that air from the building has been filtered. Everyday an employee will walk around the building and check for odor and any detectable smells. Exhaust air shall be subject to random testing using an olfactometer. Any detectable odors will be recorded in a log book and addressed immediately.

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. E.R.

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. E.R.

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

Once a batch is deemed ready for testing, a random sample will be taken from each harvest batch. An employee or any individual responsible for collecting the random, homogeneous sample will sign the sworn statement paperwork, weigh and package the sample with the assigned METRC tag, fill out the transfer manifest, and place the tagged sample into a sealed container and transport accordingly to the testing facility in compliance with 3AAC.306.750. The entire harvest batch will be set aside until the testing facility returns the test results. Harvest batches will be stored in a secure, locked, curing room in buckets with closing lids. Odin's will not sell or transport any marijuana product until the testing facility has completed the proper testing and returned the results and given METRC approval. Testing results will be kept electronically and printed and kept in for business records.

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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:

Odin's Wagon will package and label its marijuana flower for sale to a retail marijuana store at their request. In a package not exceeding one ounce (not including packaging material); for resale to consumers without additional handling by the retail marijuana store except to add the retail marijuana store's personal name or logo and license number. It will consist of a single strain as identified on the label, with the weight, along with lab results. The opaque packaging will not have any printed images that specifically target any persons under 21 years of age. In additional the package will protect the product from contamination, opaque, and not impart any damaging substance to the marijuana. Each package will be weighed on an official scale prior to packaging and be tamper proof, sealed, and identified by a tracking label generated by METRC. Completed packages will be stored in a locked, strain specific, marked, and sealed container until ready for transport... (Continued on additional space form __ see attachment 8.1 ___)

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:

Odin's will seal all packages in accordance with 3 AAC 306.470 in wholesale packages not exceeding five pounds to a retail store or to a marijuana product manufacturing in sealed, temper-evident shipping containers. Each package will be assigned a METRC tag and a transport manifest will remain with the marijuana at all times while being transported. In accordance with 3 AAC 306.475, a label will be affixed to the shipping container showing that a licensed marijuana testing facility has tested each harvest batch in the shipment. (See attachment 8.2.)

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

ERIC RANGUETTE

Printed name of licensee

ROBIN WHITESIDE NOTARY PUBLIC STATE OF ALASKA

Notary Public in and for the State of Alaska

My commission expires: March 21, 2020

Subscribed and sworn to before me this 9th day of March, 2019.

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(Additional Space as Needed):

Attachment 8.1
Packages prepared for transport to another marijuana establishment will be placed in a sealed tamper evident shipping container affixed with a label in compliance with 3AAC 306.475 and accompanied with a transport manifest that will remain with the marijuana at all times while being transported and a copy will be given to the licensed marijuana establishment, along with test results. All packages will have the 5 warnings.

8.1 Sample Retail Label:

Cultivator: Odin's Wagon	Cannabinoid Profile:	Microbial Test:
License No: 10034	Total THC:	Fungicides:
Harvest Batch No:	THC:	Pesticides:
Metrc No:	THC-A:	Herbicides:
Net Weight:	Total CBD:	Fertilizers:
Strain:	CBG:	Soil Amendments:
Retailer Facility:	CBG-A:	
License No:		

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

Attachment 8.2 Label example

When Odin's Wagon transports wholesale marijuana for retail sale or for manufacturing, a label will be affixed to the shipping container showing that a licensed marijuana testing facility has tested each harvest batch in the shipment for;
(1) A 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 cultivated by Odin's Wagon within the last three months.
(2) A statement listing the microbial results required under 3 AAC 306.645 (b) (2)
(3) A statement listing the residual solvent results required under 3 AAC 306.645 (b) (3)
(4) A statement listing any contaminants for which the product was tested in addition to contaminants for which 3 AAC 306.645 (b) requires testing, any additional tested containments include,
(a) molds, mildew, and filth.
(b) herbicides, pesticides, and fungicides.
(c) harmful chemicals

When Odin's Wagon transports wholesale marijuana from a harvest batch that has not been tested for each contaminant listed in 3 AAC 306.475 section (e) (4) molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. The label for that batch will include a statement identifying each contaminant for which that batch has not been tested for.

Every wholesale package will have test results affixed to the shipping container, from an AMCO certified licensed testing facility, logo, metrc tag, warning label, weight of marijuana, strain name, harvest batch date, and license number.

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