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ALCOHOL MARIJUANA CONTROL OFFICE
STATE OF ALASKA

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:	Odin's Wagon, LLC.	**License Number:**	10034		
License Type:	Standard Marijuana Cultivation Facility				
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 – 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:

As our drawing denotes on MJ02, we plan on utilizing a small area of our building as our licensed premises, which is highlighted in red on our facility drawing. Below are the two areas we will have under cultivation, with the non cultivation area's used listed below it.

Vegetative and Cloning Room (On the drawing, this is room #9)
This room is 8'x26' = 208 ft2

Flowering Room
This room is 18'x26' = 468 ft2

The total square footage under cultivation comes in at 676 ft2.

Other non-cultivation area's being in our facility include:

Mechanical Area (On the drawing, this is room #3)	20'x24' = 480 ft2
Packaging Area (On the drawing, this is room #7)	10'x12' = 120 ft2
Quarantine Room (On the drawing, this is room #8)	4'x8' = 32 ft2
Drying & Trimming Room (On the drawing, this is room #11)	6'x26' = 156 ft2
Surveillance Room (On the drawing, this is room #6)	3'x4' = 12 ft2
Office (On the drawing, this is room #5)	12'x12' = 144 ft2
Bathroom	8'x8' = 64 ft2

Unused portions of the building are labeled #12 on the drawing. The whole second story of the building will be unused also.

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

We plan on utilizing two different commercially available soilless mixes which are:
1) Premier Tech Pro-Mix HP with mycorrhizae
&
2) Black Gold - All Organic

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

We will be using elemental based nutrients from a company out of Oregon named Green Air Products. Their Genesis formula contains 6 parts, which consist of:

Micro Base Micro nutrients
Grow #1 Nitrate based fertilizer
Grow #2 Ammoniacal based fertilizer
Bloom #3 Phosphorous based fertilizer
pH up is a Base used to raise a solution's pH
pH down is an Acid used to lower a solution's pH

We will also use these two products:

ZeroTol 2.0 –
This product is a stabilized version of hydrogen peroxide developed for the agricultural industry that's also OMRI listed. Depending on the application rate, this product can be used during crop production to keep water sterile, and to sterilize counter tops, containers, tools, etc...

General Hydroponics Rapid Start –
This product is a propagation enhancer that aids root development in clones. This product consists of plant extracts, amino acids, and nutrients.

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

We will be growing containerized plants that will sit on saucers. All of our plants will be hand watered, and any run-off will be caught in the saucers where the plants will eventually pull the water back into the containers. This simple method will produce zero waste water.

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Describe the marijuana cultivation facility's waste disposal arrangements:

We will be utilizing an outdoor area for composting our waste disposal material. This outdoor composting site will be sited approximately 60' West of the Northwest corner of our facility. This places our composting site well within our licensed premises area as denoted on our site drawing, labeled #7 on the drawing. Once we've ground our unusable plant matter and mixed it with our soil medium to a 50% ratio, it will be taken out of our indoor cultivation facility and hauled to our outdoor composting site. On the exterior northeast side of our building, we have a camera that will be directly fixed on our outdoor composting site.

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:

We will use carbon filtration on all direct exterior ventilation, and use carbon filtration within the facility to further reduce our indoor odor footprint.

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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:

Our quality assurance protocols are in place to take every precaution possible to prevent our products from harming consumers. This begins with testing our water source used for cultivation and sourcing quality plant inputs, then follows our cultivated products through to analytical testing and finishes with applicable labeling requirements by the AMCB.

Water Testing
Prior to beginning operations, we analyzed our well water for mineral content, pH, and microbial levels in order to properly build our water purification system. For consumer protection and purification system maintenance, we intend to test our well bi-annually to insure water quality.

Input Documentation
A list of all plant inputs will be kept cataloged and available for inspection at any time. We intend to keep plant inputs incredibly low due to rigorous design, build, and operational protocols.

Analytical Testing
Once our flowers are dried and ready for testing, one of our designated staff will collect and prepare a sample from a segregated batch for delivery. In preparing for transport, the designated driver will fill out a transportation manifest which will be scanned and recorded into our traceability system. Upon delivering the samples to the testing facility, all batch samples will be tested for the following:

Cannabinoid Potency:
Tetrahydrocannabinolic acid THCA
Tetrahydrocannabinol THC Total THC

Cannabidiolic Acid CBDA
Cannabidiol CBD
Total CBD
Cannabinol CBN

Pathogen testing:
Microbial Testing
Escherichia coli
Salmonella species
Aspergillus fumigatus
Aspergillus flavus
Aspergillus niger -

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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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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:

We constructed our building from the ground up to completely limit direct line-of site that would allow any view of cannabis. There are no windows in our building and only two entrances, both of which are windowless steel walk-through doors.

Any waste will be ground up and be unrecognizable as cannabis.

Finally, any finished product will be packaged in opaque barrier bags and the put into boxes before being brought out of the facility. This last step completely ensures that the public will not ever be able to observe cannabis either in our facility, or while it is taken out of the facility for delivery.

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

Douglas A Anderson
Printed name

Subscribed and sworn to before me this 9th day of July, 2016.

REBECCA LATONA
My Commission Expires
NOTARY PUBLIC
May 19, 2019
STATE OF ALASKA

Rebecca Latona
Notary Public in and for the State of Alaska.

My commission expires: 05/19/2019