Current page(s) of operating plan or supplemental operating plan being amended.

Alcohol and Marijuana Control Office
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Alaska Marijuana Control Board

Operating Plan Supplemental

Form MJ-05: Marijuana Product Manufacturing Facility

Section 2 – Prohibitions

Applicants should review 3 AAC 306.510 and be able to answer "Agree" to all items below.

The marijuana product manufacturing facility will not:	Agree	Disagree
Sell, deliver, distribute, or transfer any marijuana, marijuana concentrate, or a marijuana product directly to a consumer, with or without compensation	✓	
Allow any person, including a licensee, employee, or agent, to consume marijuana, marijuana concentrate, or a marijuana product on its licenses premises	✓	

The marijuana product manufacturing facility will not manufacture or sell any product that:	Agree	Disagree
Is an adulterated food or drink	✓	
Closely resembles a familiar food or drink item including candy	✓	
Is packaged to look like candy, or in bright colors or with cartoon characters or other pictures or images that would appeal to children	✓	

Section 3 – Equipment, Compounds, and Processes to be Used

Review the requirements under 3 AAC 306.555, and identify how the proposed premises will meet the listed requirements.

Describe the equipment and solvents, gases, chemicals, and other compounds the marijuana product manufacturing facility will use to create marijuana concentrates:

The extraction method and system Southeast Essential Manufacturing will be using is:

1. Bubble Bag Extraction - water, bags, ice, water and hand agitation.
2. CO2 Extraction - The Supercritical CO2 extraction process creates phase changes in carbon dioxide utilizing temperature and pressure. CO2 gas is used and is known as a "tunable solvent" making it extremely versatile for creating a multitude of end products by controlling temperature and pressure.
3. Rosin Press - hydrologically powered machines with heated plates to further refine and compress concentrate

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Describe the processes to be used to create marijuana concentrates:

Southeast Essential Manufacturing will create an assortment of marijuana products through the use of water, food, and solvent based extractions. The manufacturing facility will use only professional grade equipment systems with proper ventilation and control of all possible ignition sources. The professional grade equipment will be used in compliance with the manufacturer's stated pressure ratings and have certification from a licensed engineer that the system is commercially manufactured, is safe for its intended use, and is built to code and in compliance with local fire, safety, and building code requirements.

Bubble bag extraction is the process to be used to produce bubble hash. Marijuana plant material is first mixed with ice and water and then filtered through bubble bags (mesh bags of various sizes). The wet hash is then removed from the bags and allowed to dry overnight.

Supercritical carbon dioxide is a fluid state of CO2 (somewhere between a gas and a liquid) which is used as a solvent for extraction. The CO2 is pumped into an extraction vessel and as the marijuana plant material comes into contact with it, the oil is released into the CO2. Both the gas and oil come down into the a separation/collection vessel where the marijuana oil is released as a liquid and the CO2 gas is condensed back into a liquid and recirculated through a CO2 pump.

A hydraulic Rosin press is used to create rosin concentrate. Marijuana plant material or bubble hash is placed into nylon mesh bags or screens and then between parchment paper and into a pressurized heating device. The marijuana is pressed between two heated plates causing concentrate oil (rosin) to be squeezed onto the parchment paper.

All employees and agents operating, handling, inspecting, and cleaning the systems will be fully trained on how to use and maintain the system, and will have direct access to all applicable instructional and safety documents at all times. Each licensee, employee, or agent who is required or permitted to be physically present at the facility will have both a marijuana handler permit card and a food worker card on file on property prior to beginning work and at all times while on the premises. See following pages for process and description of creating products.