Current (may only be certain pages) MJ-01 and MJ-06 in case is needed

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Alaska Marijuana Control Board

Form MJ-01: Marijuana Establishment Operating Plan

Section 5 – Waste Disposal

Review the requirements under 3 AAC 306.740, and identify how the proposed establishment will meet the listed requirements.

Applicants should be able to answer "Yes" to the statement below.

Marijuana Waste Disposal:	Yes	No
The marijuana establishment shall give the board at least 3 days notice in the marijuana inventory tracking system required under 3 AAC 306.730 before making the waste unusable and disposing of it	☑	☐

Describe how you will store, manage, and dispose of any solid or liquid waste, including wastewater generated during marijuana cultivation, production, process, testing, or retail sales, in compliance with applicable federal, state, and local laws and regulations:

We will have waste from the High Pressure Liquid Chromatography (HPLC) system. The amount of waste produced will be a small amount and less than 1 gallon per month. All marijuana, both used and unused, will be ground to a fine powder before disposal. Both HPLC waste and samples marked for destruction will be added to the 5 gallon container in the lab, which contains organic solvents, making it unusable. This 5 gallon waste container will be housed in the lab and the contents of the container will be periodically transferred to a 30 gallon container via the bung hole on the top of the container using a funnel. The 30 gallon container will be transferred to the Mat-Su Central Landfill for disposal. Waste from the qPCR (quantitative Polymerase Chain Reaction) system used to test for microbials will be soaked in a 20% bleach solution prior to disposal. Any cannabis that is not actively being used for testing or being prepared for destruction will be stored in a locked refrigerator.

Describe what material or materials you will mix with the ground marijuana waste to make it unusable:

Organic solvents will be mixed with left over marijuana, rendering it completely unusable.

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Marijuana waste must be rendered unusable for any purpose for which it was grown or produced before it leaves the marijuana establishment. Describe the process or processes that you will use to make the marijuana plant waste unusable:

Organic solvents will be mixed with left over marijuana, rendering it completely unusable. Sodium hydroxide will be added to acidic aqueous waste, as this will neutralize the liquid and allow for disposal as non-hazardous waste.

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Operating Plan Supplemental

Form MJ-06: Marijuana Testing Facility

Section 2 – Prohibitions

Applicants should review 3 AAC 306.610 and be able to answer "Agree" to all items below.

The marijuana testing facility will not:	Agree	Disagree
Sell, deliver, distribute or transfer any marijuana or marijuana product to a consumer, with or without compensation	☑	☐
Allow any person to consume marijuana or marijuana product on its licenses premises	☑	☐

Section 3 – Testing Practices and Procedures

Review the requirements under 3 AAC 306.615, 3 AAC 306.635 – 3AAC 306.645, and 3 AAC 306.660, and identify how the proposed establishment will meet the listed requirements.

Describe each test the marijuana testing facility will offer:

The New Frontier Research will offer the following testing:

Cannabinoid profiling for d9-THC, THCA, CBD, CBDA, CBN, CBGA, CBG, CBC, d-8THC and CBC and cannabinoid concentration for d9-THC, THCA, CBD, CBDA, and CBN.
- Marijuana plant material (flower and trim)
- Concentrates or extracts (for those testing potency only)
- Infused products

Microbial screening for Shiga-Toxin producing Escherichia Coli (STEC), Salmonella, Aspergillus Fumigatus, Aspergillus Flavus, and Aspergillus Niger.
- Marijuana plant material (flower and trim)
- Infused products

Foreign Matter Inspection:
- Marijuana plant material (flower and trim)
- Concentrates or extracts
- Infused products

Moisture Content
- Marijuana plant material (flower and trim)

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STATE OF ALASKA

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Operating Plan Supplemental

Form MJ-06: Marijuana Testing Facility

Standard Operating Procedure Manual (3 AAC 306.640):

Applicants for marijuana testing facilities must have a written procedures manual with detailed instructions explaining how to perform each testing method the applicant or marijuana testing facility uses, and minimum standards for each test. Applicants should be able to answer "Agree" to all items below.

The marijuana testing facility will ensure that the standard operating procedure manual:	Agree	Disagree
Is available to each employee at all times	✔	☐
Will cover at least the required procedures listed under 3 AAC 306.640	✔	☐

Describe the marijuana testing facility's standard operating procedure for each test the facility will offer:

Cannabinoid profiling/potency: Marijuana plant, concentrates, and infused products will be tested for cannabinoid content and potency. Plant material will be ground to a powder to ensure that the sample is homogenous. The following cannabinoids will be profiled and quantitated: d9-THC, d8-THC, THCA, CBD, CBDA, CBDV, CBG, CBGA, CBN, and CBC. THC and THCA will be combined for total concentration, as will CBD and CBDA. Samples will be tested using a high performance liquid chromatograph with UV detector or PDA detector. Potency will be reported as the concentration in mg/g and as the % of product weight. The cannabinoid profile will be reported through METRC and to customers.
For infused product testing, customers will be required to provide a "matrix blank" sample that is not infused with cannabis prior to submitting any infused samples. This sample will be used to determine the following:
1) Presence of other components in the product which may co-elute with cannabinoids and would give a falsely elevated level of cannabinoids;
2) Presence of other components in the product which may suppress or enhance cannabinoid signals on chromatography and give inaccurate readings; and
3) If cannabinoids can be sufficiently extracted from the specific matrix type using the main TNFR protocol for infused products to provide an accurate reading of the actual cannabinoid levels. If this cannot be accomplished, variations in solvent amount, extraction time, and solvent types will be employed to develop a method of successfully recovering cannabinoids from that matrix type. IF this cannot be accomplished to provide >80% process efficiency, the infused products will not be tested at the New Frontier Research until such a time as this can be accomplished. The potency of each single serving in a multi-unit package will be reported and must be within 20 % of the manufacturer's target. Samples will be failed if the potency is more than 20% variation or if the product is not homogenous from serving to serving in a multi-serving package.

Microbial Detection: Cannabis flower/shake/trim and infused edible products will be tested for microbial pathogens. Testing will be done by realtime PCR for detection of Salmonella, STEC (shiga-toxin producing escherichia coli) and Aspergillus Fumigatus, Aspergillus Flavus and Aspergillus Niger per the attached protocols. Customers must submit 3 grams of product for testing, as each test is required to report levels of colony forming units per 1 gram sample and each test requires separate enrichments and testing.

Moisture Content: Cannabis plant material will be tested for moisture content after homogenization using a moisture balance.

Visual Inspection: Prior to homogenization, samples will be inspected under microscopy for gross contamination. Pictures of samples will be taken and filed with final reports.

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