



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

**Department of Commerce, Community,
and Economic Development**

ALCOHOL & MARIJUANA CONTROL OFFICE

550 West Seventh Avenue, Suite 1600
Anchorage, AK 99501
Main: 907.269.0350

MEMORANDUM

TO: Chair and Members of the Board

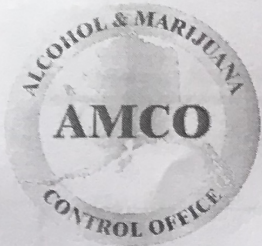
DATE: April 17, 2019

FROM: Erika McConnell
Director, Marijuana Control Board

RE: Southeast Alaska Laboratories,
LLC #10512

Southeast Alaska Laboratories, LLC, a marijuana testing facility, is requesting approval of amendment(s) to its operating plan supplemental. Attached is MJ-15 Operating Plan Change application, current page of MJ-06.





Alaska Marijuana Control Board

Form MJ-15: Operating Plan Change

What is this form?

This operating plan change form is required for all marijuana establishment licensees seeking to change a licensed marijuana establishment's existing operating plan, as required by 3 AAC 306.100. With this form, a licensee may request changes to as much or as little as desired of Form MJ-01 and/or the corresponding operating plan supplemental for the establishment's license type. **The required \$250 change fee may be made by check, cashier's check, or money order.**

Please complete and submit with this form the pages of Form MJ-01 and/or the corresponding operating plan supplemental that contain sections that you are requesting to change. **All fields must be completed of any page for which you are requesting changes** – upon board approval, the submitted pages will replace those currently on file. If your current, approved operating plan is on the original version of the forms, you may be required to complete and submit the new operating plan forms in their entirety.

The form(s) that I am requesting board approval to change is:

- ☐ Form MJ-01: Marijuana Establishment Operating Plan
- ☐ Form MJ-03: Retail Marijuana Store Operating Plan Supplemental
- ☐ Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental
- ☐ Form MJ-05: Marijuana Product Manufacturing Facility Operating Plan Supplemental
- ☒ Form MJ-06: Marijuana Testing Facility Operating Plan Supplemental

This form must be completed and submitted to AMCO's main office prior to changing existing operations. The licensed establishment's operations may not be altered unless and until the director has given temporary approval or the Marijuana Control Board (MCB) has given final approval of the changes. Please note that licensees seeking to change operating plans for multiple licenses must submit a separate completed copy of this form for each license.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Southeast Alaska Laboratories LLC	MJ License #:	10512		
License Type:	Marijuana testing facility				
Doing Business As:	SOUTHEAST ALASKA LABORATORIES LLC				
Premises Address:	5450B Jenkins Dr				
City:	Juneau	State:	Alaska	ZIP:	99801



Form MJ-15: Operating Plan Change

Section 2 – Summary of Changes

Provide a summary of the changes for which you are requesting approval.

Scientific Director to be changed to Ryland Buller (please see attached resume)

Section 3 – Declarations

Read each statement below, and then sign your initials in the corresponding box to the right:

Initials

The proposed changes conform to all applicable public health, fire, and safety laws.

JD SD

I understand that any temporary approval granted by the director is pending a final decision by the MCB; therefore, any investment I make, based upon temporary approval, is at my own risk.

JD SD

As a marijuana establishment licensee, I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Jessica Dreibelbis

Printed name of licensee

Notary Public in and for the State of Alaska.

My commission expires: _____

Subscribed and sworn to before me this ____ day of _____, 20____.

NOTARIAL CERTIFICATION ATTACHED
fhw 4.10.19

AMCO Director Review for Temporary Approval Pending Final MCB Decision:

Approved Disapproved

☐☐

Printed name of Director

Date

Signature of Director

Director Comments:

State of **Hawaii**

County of Hawaii }

On APRIL 10, 2019, before me, PAMELA M AKAMU,
(here insert name of notary)

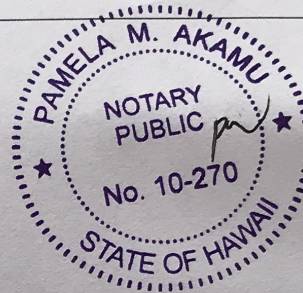
personally appeared JESSICA DREIBELBIS
(name(s) of Signer(s))

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Pamela M. Akamu (SEAL)
Pamela M Akamu

My Commission Expires: Aug. 22, 2022



This area for Official Notarial Seal

NOTARY PUBLIC CERTIFICATION

Doc. Date: 04/10/19

Pages: 3

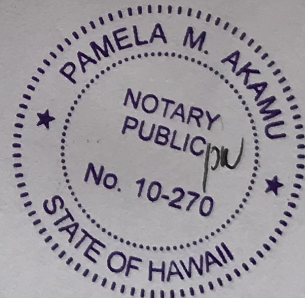
Notary Name: Pamela M Akamu

Judicial Circuit: Third

Doc. Description: FORM MJ-15
OPERATING PLAN CHANGE

Notary Signature: Pamela M. Akamu

Date: 04/10/19



ALL PURPOSE ACKNOWLEDGMENT



Alaska Marijuana Control Board

Operating Plan Supplemental Form MJ-06: Marijuana Testing Facility

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

Scientific Director (3 AAC 306.630):

All marijuana testing facilities must employ a scientific director with responsibilities and qualifications set out in 3 AAC 306.630 and 3 AAC 306.640(b).

Name the scientific director and describe how he/she meets the qualifications set out in 3 AAC 306.630(b).

Ryland has an undergraduate degree from Penn State University in Energy Engineering which is essentially a chemical engineering degree with a focus on energy related science. This degree included advanced chemistry coursework. Ryland worked for 4 months as a research assistant at Penn State at the Energy Institute. Ryland also conducted research, ran experiments, collected and analyzed data as well as fabricated and maintained equipment. Ryland has worked for 5 years, 9 months at the Alaskan Brewing Co. as a Chemical Engineer. At which his job spanned a wide range of responsibilities but included frequent laboratory work for R&D in wastewater, water quality, product formulation, and analytical chemistry related to beer quality.

Section 5 – Security

Review the requirements under 3 AAC 306.650, and identify how the proposed establishment will meet the listed requirements.

Chain of Custody (3 AAC 306.650):

Describe how the marijuana testing facility will meet the chain of custody requirements as listed in this section:

SEAL will meet the chain of custody requirements by implementing the following operations: (1) issuing instructions for the minimum sample requirements and storage requirements; (2) documenting the condition of the external package and integrity seals utilized to prevent contamination of or tampering with the sample; (3) documenting the condition and amount of sample provided at the time the sample is received at the marijuana testing facility; (4) documenting each person handling the original samples, aliquots, and extracts; (5) documenting any transfer of samples, aliquots, and extracts to another marijuana testing facility for additional testing or at the request of the marijuana cultivation facility or marijuana product manufacturing facility that provided the testing sample; (6) maintaining a current list of authorized persons and restricting entry to the marijuana testing facility to those authorized persons; (7) securing the marijuana testing facility during non-working hours; (8) securing short-term and long-term storage areas when not in use; (9) using a secured area to log in and aliquot samples; (10) ensuring samples are stored appropriately; and (11) documenting the disposal of samples, aliquots, and extracts.

Ryland Buller

2760 Douglass Hwy Apt. #3 • Juneau, AK 99801
Phone: 314-307-4252 • E-Mail: rjb5191@gmail.com

Experience

Alaskan Brewing Company Engineering Technologist

September 2012 - Present

- Managed capital projects including the installation of a Westfalia HB3-SI separator, cellar piping overhaul, New Bright Beer Tanks and all associated piping and automation, design of new vessels and processes for ongoing brewhouse capacity, energy efficiency and wort quality improvements, and steam to electricity engine
- Design and installation of a new Brewmaxx SCADA system to replace obsolete relay control systems and integrate island systems in brewhouse and cellar. Selection of new instrumentation to compliment SCADA and advance process.
- Managed the re-design and retrofit of the spent grain boiler
- Developed plan for dissolved oxygen critical testing points in order to control and minimize total packaged oxygen.
- Designed and implement process improvement projects for wastewater treatment, physical plant, and filtration.
- Conducted thorough analysis of process metrics to determine the effect of upstream variables on the centrifuge filtration process to optimize polished beer clarity for each brand.
- Spent grains combustion boiler engineer and operator. Optimized combustion to reduce emissions, developed operation SOP's, and managed steam generation and consumption for grain drying and brewhouse process.
- Performed instrument calibrations in the plant including RTD temperature sensor/transmitters, inductive flow meters, D.O. meters, and o2 sensors. Instituted calibration schedule for pre-emptive calibrations to ensure accuracy.
- Conducted thorough capacity analysis of each production area and created a sensitivity model to determine capacity bottlenecks. Recommended most cost-effective and innovative projects to eliminate bottlenecks.
- Lab work including soot particulate characterization, dissolved oxygen measurement, and haze reduction experiments
- Maintained compliance of relevant EPA and Alaska DEC regulations including SPCC, SWPPP, EPCRA, and NESHAP.
- Trained sensory panelist. Analyzed beer quality daily on rotation.
- PLC programming in RSLogix 5000

Hillside Piping and Fabrication Engineer and Pipe Fitter/Welder

September 2011 – May 2012

- Designed equipment, maintained brewery equipment, and fabricated sanitary piping systems.
- Worked in world-renowned St. Louis area breweries including Schlafly, Urban Chestnut, and Perennial Artisan Ales.

Engineering Research Assistant at Penn State Energy Institute

May 2010 – August 2010

- Assisted in designing and implementing modifications to the pilot scale Circulating Fluidized Bed Combustions system for. Collaboration with Babcock & Wilcox emissions benchmarking for burning wood chips.
- Collected and analyzed emissions data from the CFBC testing.
- Constructed modular lab-scale gas to liquid syn-fuel research plant.

Skills

- | | | |
|--|---|--|
| • Practical Brewing | • Brewing and fermentation science theory & practice | • Understanding of brewing QA process & techniques |
| • Waste water testing and treatment systems design | • Process improvement/design | • Sanitary Welding |
| • Troubleshooting control systems | • Laboratory analysis | • Mechanical aptitude |
| • Instrument/sensor troubleshooting | • Interpreting P&ID, electrical drawings and relay/ladder logic | • Life Cycle Analysis and Sustainable design |
| | • Environmental Compliance | • Boiler Operations and Emissions Testing |

Ryland Buller

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Phone: 314-307-4252 • E-Mail: rjb5191@gmail.com

Other Relevant Experience

- BJCP certified beer judge.
- ORCA and SAIL volunteer. Mentored people with disabilities in different outdoor recreation activities

Education

Pennsylvania State University

August 2007- May 2011

B.S. in Energy Engineering

Minor in Environmental Engineering.

Research Thesis: CO₂ Co-Gasification of Coal and Biomass

Relevant Coursework: Fluid Mechanics, Thermodynamics, Heat and Mass Transfer, Engineering Design, Green Engineering & Environmental Compliance, Materials Sustainability and Life Cycle Assessment

Current MJ-06 in case
is needed.



Alaska Marijuana Control Board

Operating Plan Supplemental Form MJ-06: Marijuana Testing Facility

Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
Anchorage, AK 99501

marijuana.licensing@alaska.gov

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SEAL's Lab Director, Robert Goldman, Ph.D., is well qualified by AAC 306.630(b). Dr. Goldman brings two decades of experience to SEAL. He received his B.A. in Biology from the University of California at Santa Cruz and his Ph.D. in Biology from the University of Houston. Dr. Goldman went on to do post-doctoral research at the University of Texas in Austin for 2 years and then at the University of Minnesota for 2 more years. Dr. Goldman holds an adjunct faculty appointment at Clackamas Community College in Oregon City, Oregon. Dr. Goldman has previously served as Lab Director of CannIQ, a cannabis testing lab in Rogue River, Oregon. Additionally, Dr. Goldman has worked in medical, biotech and environmental testing labs over the course of his career, presented at national conferences, and served as a reviewer for scientific journals and for the National Science Foundation.

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