

December 21, 2017

Eric Shoemaker
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4814 107th Ave.
Portland OR 97220

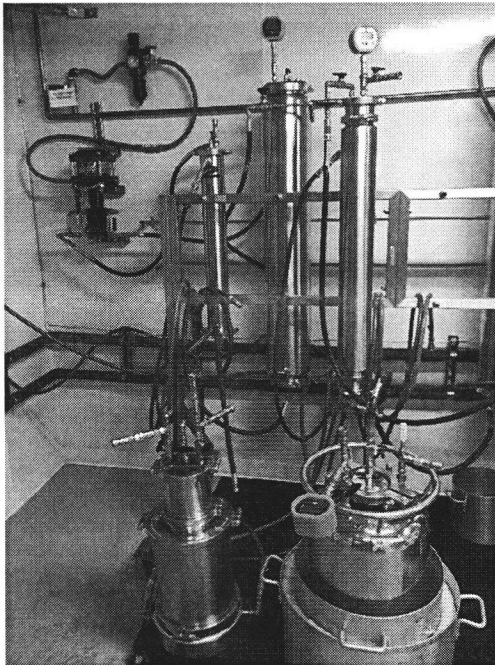


Subject: Portland Bureau of Development Services Code Guide, April 27, 2017

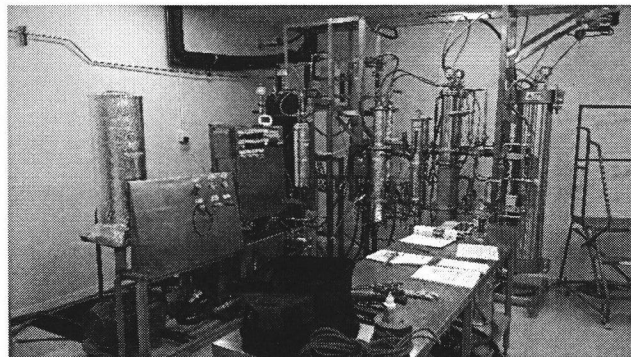
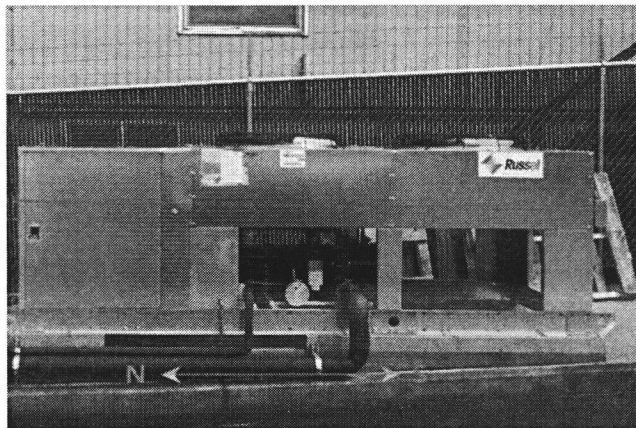
Per the Portland BDS Cannabis code guide, Section OSSC Chapter 4: OFC Chapters 50 and 53, Reporting item 5; a commissioning report is required.

By Design Engineering has confirmed the hydrocarbon and carbon dioxide extraction systems are installed per the design intent guidelines and documents. Please see the Vitalis and Hydrocarbon Oil Extraction engineering reviews.

HYDROCARBON UNIT



CARBON DIOXIDE UNIT



Regards,
Norm Taylor P.E.

Joe Thornton

Fire Safety Plan Review Checksheet Response

RECEIVED
DEC 27 2017

Permit #: 16-212152-REV-01-CO

Date: _____

BDS

DOCUMENT SERVICES

Customer name and phone number: Milce Coyle 503-680-5497

Note: Please number each change in the '#' column. Use as many lines as necessary to describe your changes. Indicate which reviewer's checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.

#	Description of changes, revisions, additions, etc.	Checksheet and item #
1	Scope of work has been revised. There are 2 new rooms proposed, one mixing room, and one for CO2 extraction, see Item #4.	CS #2 / 1
2	N/A	CS #2 / 2
3	<p>2016-212167-000-00-MT: NEW VENTILATION AND ROOM TEMPERATURE CONTROL; EXTRACTION SYSTEM MACHINERY AND BACK UP POWER SUPPLY. BUTANE AND CO2 MONITORING SYSTEM. ROOM EXHAUSTS. SUSPENDED AIR HANDLING UNIT. *****16-212152-CO*****</p> <p>2016-279625-000-00-MT: INSTALL NEW GASLINE FROM METER TO WATER HEATER. 2 LBS GAS PRESSURE 3/4" GAS LINE AT 200 FOOT. INSTALL AIR COOLED CONDENSING UNIT ON EAST ELEVATION. SEE 16-212167-MT FOR MONITORING AND</p> <p>2016-212167-REV-01-MT: REVISION TO CHANGE ALL MECHANICAL PLANS PER CODE CHANGE. NEW VENTILATION AND ROOM TEMPERATURE CONTROL; EXTRACTION SYSTEM MACHINERY AND BACK UP POWER SUPPLY. CO2 & BUTANE MONITORING SYSTEM. COMPRESSED AIR ROOM EXHAUST AND MONITORING SYSTEM. SUSPENDED AIR HANDLING UNIT. EXISTING (4) 5 TON ROOF TOP UNITS.</p>	CS #2 / 3
4	<p>There are 2 new rooms in the revised scope of work, a CO2 extraction room, and a mixing room.</p> <p>"Co2 Extraction Room 119" signifies the operation of a 45L Vitalis CO2 extraction machine. Except for the operation of this machine, no other processes occur in this room. This machine is ASME certified, National Board registered, and has undergone 3rd party certification in Oregon - see attached PSI Engineering Peer Review Report. In addition, all electrical components are UL listed. This room is equipped with 1 CFM continuous ventilation and Co2 gas detection sensor with audio and visual alarm.</p> <p>"Mixing Room 113" signifies the operations of dissolving cannabis oil in ethanol, filtering the oil and ethanol mixture and then recovering the ethanol in a rotary evaporator. Minimal to no ethanol vapor is released during this process. All containers containing ethanol are closed except when transferring fluids from one container to another. Room is equipped with 1 CFM continuous ventilation and ethanol vapor sensor with audio/visual alarm and sprinkler system.</p>	CS #2 / 4
5	N/A	CS #2 / 5
6	Fire code note #6 is not applicable and has been removed.	CS #2 / 6

7	The standby generator is not existing and intended to be installed under permit 16-212167-REV-01-MT. The note has been changed to reflect that it is new.	CS #2 / 7

(for office use only)

Fire Safety Plan Review Checksheet Response

BDS
DOCUMENT SERVICES

Permit #: 16-212152-REV-01-CO

Date: 11/30/2017

Customer name and phone number: Mike Coyle 503-680-5497

*Note: Please number each change in the ‘#’ column. Use as many lines as necessary to describe your changes. Indicate which reviewer’s checksheet you are responding to and the item your change addresses. If the item is not in response to a checksheet, write **customer** in the last column.*

[illegible]

705 2500000

(for office use only)

Permit #: 16-212152-REV-01-CO

Date: 11/30/2017

Customer name and phone number: Mike Coyle 503-680-5497

Note: In the spaces below, please provide specific information concerning the changes that you have made in response to the checklist. Note the checklist item number, your response or a description of the revision, and the location of the change on the plans (i.e. page number and/or detail number). Use as many lines as needed. *If the item is not in response to a checklist, write “**Applicant**” in the column labeled “Checksheet item number.”*

[illegible]

APOT

Plan Bin Location: 52 CO W/APPROVED SET

Scan to trim