**15-020**

**1. State Building Code to be Amended:**

International Building Code  State Energy Code

ICC ANSI A117.1 Accessibility Code  International Mechanical Code

International Existing Building Code  International Fuel Gas Code

International Residential Code  NFPA 54 National Fuel Gas Code

X International Fire Code  NFPA 58 Liquefied Petroleum Gas Code

Uniform Plumbing Code  Wildland Urban Interface Code

**Section(s):** 319 (new)

**Title:**

Marijuana Extraction Systems

**2. Proponent Name (Specific local government, organization or individual):**

**Proponent: David Kokot**

**Title: Fire Protection Engineer**

**Date: 2/4/15**

**3. Designated Contact Person:**

**Name: David Kokot**

**Title: Fire Protection Engineer**

**Address: 44 W. Riverside Ave., Spokane, WA, 99201**

**Office Phone: (509) 625-7056**

**Cell: (509) 435-7056**

**E-Mail address: dkokot@spokanefire.org**

**4. Proposed Code Amendment**. Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC [website](https://fortress.wa.gov/ga/apps/sbcc/Page.aspx?nid=191))

**Code(s)** 2015 International Fire Code **Section(s)** 318

Add the Following Sections:

**SECTION 391**

**MARIJUANA EXTRACTION SYSTEMS**

**319.1 General.** Systems used for the extraction of marijuana/cannibis oils and products from plants shall be done using equipment that has been listed for the specific use or has been reviewed by a testing engineering analysis conducted by a firm or individual that has been approved by the Fire Code Official**.**

**319.2 Engineering Analysis.** The engineering analysis shall be submitted for review and approval by the local fire official prior to the installation and operation of the marijuana extraction system.

**319.2.1 Approved Engineer of Record.** Where an engineering analysis is conducted to be submitted for approval by the Fire Code Official to meet the requirements of 319.1, the analysis shall be stamped by a professional engineer licensed in the State of Washington. The engineer will need to submit educational background and experience specific to the review and approval of the analysis for marijuana extraction systems.

**319.2.2 Contents of Analysis.** The engineering analysis shall include, but not be limited to, the following

1. Property/business owner information

2. Type of process proposed, equipment used, solvents or gases used, environmental conditions,

3. Standards and Codes to which the review demonstrates compliance

4. List of gas and/or liquids to be in use and stored on-site

5. Plan showing location and arrangement of the equipment

6. Installation and maintenance contractor’s information

7. Safeties on the equipment

8. List of materials used including listings and cutsheets

9. Diagram of process including pressures and temperatures to be used

**319.2.3 Change of Medium.** Where the medium of extraction is changed, the original engineering analysis will be required to be revised and approved by the Fire Code Official prior to the use of the equipment with the new medium.

1. **Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

As part of the legislation developed for the processing of marijuana/cannibis using an extraction process (WAC 314-55-104), the Fire Code Official is required to approve the operation and maintenance of the equipment used. This proposal adds thresholds for the approval of engineering analyses that are used in lieu of providing equipment listed for the use. At the time of this proposal, the listing agencies have not done testing on the specific use and do not have a protocol as to what is needed to be used as a testing procedure.

1. **Specify what criteria this proposal meets.** You may select more than one.

The amendment is needed to address a critical life/safety need.

X The amendment is needed to address a specific state policy or statute.

The amendment is needed for consistency with state or federal regulations.

X The amendment is needed to address a unique character of the state.

The amendment corrects errors and omissions.

1. **Is there an economic impact:**  Yes    **X** No

Explain:

There is no significant economic impact to this proposed change to the Fire Code based on the language included in WAC 315-55-104. This proposal establishes the minimum requirements that Fire Code Officials can approve extractors.

If there is an economic impact, use the Table below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Building Type | Construction[[1]](#footnote-1) | | Enforcement[[2]](#footnote-2) | | Operations & Maintenance[[3]](#footnote-3) | |
| Costs | Benefits[[4]](#footnote-4) | Costs | Benefits4 | Costs | Benefits4 |
| Residential |  |  |  |  |  |  |
| Single family |  |  |  |  |  |  |
| Multi-family |  |  |  |  |  |  |
| Commercial/Retail |  |  |  |  |  |  |
| Industrial |  |  |  |  |  |  |
| Institutional |  |  |  |  |  |  |

Please send your completed proposal to: [sbcc@ga.wa.gov](mailto:sbcc@ga.wa.gov)

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.

1. $ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs

   that impact the total cost of the construction to the owner/consumer. [↑](#footnote-ref-1)
2. Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement. [↑](#footnote-ref-2)
3. Cost to building owner/tenants over the life of the project. [↑](#footnote-ref-3)
4. Measurable benefit. [↑](#footnote-ref-4)