DENVER AMENDMENT PROPOSAL FORM
FOR CPD INTERNAL PROPOSALS TO THE 2016 DENVER BUILDING CODE AMENDMENTS AND THE 2018 INTERNATIONAL CODES

2018 CODE DEVELOPMENT CYCLE

1) Name: Brian Lukus
   Date: 3/20/2019

2) Proposals should be drafted in Word with the only formatting that is needed being BOLDING, STRIKEOUT AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc.

Is separate graphic file provided (Yes or No):

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
<th>Acronym</th>
<th>Code Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBC</td>
<td>International Building Code</td>
<td>IFC</td>
<td>International Residential Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
<td>IMC</td>
<td>International Mechanical Code</td>
</tr>
<tr>
<td>IFC</td>
<td>International Fire Code</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

AMENDMENT PROPOSAL

Please provide all of the following items in your amendment proposal.

Code Sections/Tables/Figures Proposed for Revision:

DBC-IFC 3903.8 (new)

Note: If the proposal is for a new section, indicate (new).

Proposal:

Add the following section:

3903.8 Stand-by power systems: For new or modified hazardous exhaust systems, a stand-by power system complying with Chapter 12, shall be provided for the following items, when installed:

(1) Extraction room lighting
(2) Extraction room ventilation system
(3) Solvent gas detection system

Exception: Stand-by power shall not be required where it can be shown by engineering analysis that the hazardous process conducted will not create hazardous conditions when normal power is lost.

Supporting Information:

This section is taken from NFPA 1-38.6.2.3.5. Backup power is needed for extraction processes due to off-gassing extracted (spent) plant material; mainly in LPG extractions but this hazard can exist in flammable liquid extractions as well. This material is soaked with solvent when it is removed from the extractor and left in the hood or booth until it off gasses. If power is lost during this process, this off-gassing can create a hazardous condition. This section could also be applicable to open flammable liquid extractions. Some processes use hazardous exhaust systems during post oil processing where spent plant material is not off-gassed; the exception recognizes this and gives an engineer the ability to analysis the process for hazardous when power is lost.

Referenced Standards:

2018 NFPA 1 38.6.2.3.5
**Impact:**
This is limited to new and modified exhaust systems and not to existing permitted facilities. This will have an increase in construction cost.

**Note:** The proponent shall indicate one of the following regarding the impact of the amendment proposal:
- The effect of the amendment proposal on the cost of construction; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of design; Increase, Reduce, No Effect:
- Is the amendment proposal more- or less-restrictive than the I-Codes; More, Less, Same:

**Departmental Impact:**
none

**Note:** Indicate one of the following regarding the impact of the amendment proposal:
- The effect of the amendment proposal on the cost of review; Increase, Reduce, No Effect:
- The effect of the amendment proposal on the cost of enforcement/inspection; Increase, Reduce, No Effect: