

Colorado Springs Fire Department

Division of the Fire Marshal

Plan Review Checklist – Carbon Dioxide/Inert Gas



Disclaimer

CSFD checklists are **not** intended to be all inclusive or stand-alone submittal documents. The items listed include the minimum information required to conduct an initial plan review. Please provide a separate code study document for any deviations from prescriptive code. The current Fire Code is the 2015 International Fire Code (IFC) with local CSFD amendments.

Permit Application

If a permit is required by Section 105 of the Colorado Springs Fire Code, please ensure the following items are completed/addressed in the initial submittal. Please note that each permit includes two plan reviews. Additional fees are implemented at the third review and all subsequent reviews thereafter.

| | | | |
|--|--|------------------------------|-----------------------------|
| 1. Are Sections 1-3 completed on the permit application? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 2. Is Section 6 completed on the permit application? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

Floor Plans

Ensure the following items are indicated of the floor plans for Carbon Dioxide Systems.

| | | | |
|---|------------------------------|------------------------------|-----------------------------|
| 1. Is the tank location shown? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 2. Is the tank located at least ten (10) feet away from all exits. | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 3. Are all piping runs shown? (Supply, Fill and Vent lines) | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 4. Are all detector locations shown? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 5. Are detector mounting elevations indicated? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 6. Are ventilation calculations provided for all gas storage/use areas. | N/A <input type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 7. Are NFPA 704 placards shown? | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 8. Are CO2 warnign signs show and in compliance with Section 5307.12.2 | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

Cut Sheets

Ensure the following specifications are provided for the following items

| | | | |
|-----------------------------|------------------------------|------------------------------|-----------------------------|
| 1. Tank | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 2. All pipe material | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 3. Relief Valve(s) | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 4. Detectors | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 5. Central Monitoring Unit | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 6. Fittings | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 7. Cabinet | N/A <input type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| 8. Automatic shut-off valve | N/A <input type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> |