

# CHECKLIST FOR EVALUATING FIRE PROTECTION ANALYSIS SUBMITTALS

Site \_\_\_\_\_

Submitter \_\_\_\_\_ Date \_\_\_\_\_

Date of Review \_\_\_\_\_

The following items are listed as being part of the suggested format for a fire protection analysis.

- A check mark (√) in the blank to the left of the item indicates this was effectively addressed.
- An X in this space indicates that the item was improperly addressed.
- An O indicates that the item was not addressed but should have been.
- NA indicates that the item does not have to be addressed.

All items must have one of these markings.

	1. <i>Location of the site</i> – Name and physical address of site.
	2. <i>Drawing and/or photos</i> - A drawing or photos are not specifically required for the fire protection analysis, but may aid in the understanding of the site and situation by the person reviewing the analysis.
	3. <i>Evaluation for potential of enclosure to allow pocketing of gas</i> – Determine if the enclosure hinders ventilation or has low points that foster accumulation of gases. Any structure closed for more than 50% of its perimeter will require technical justification that gases will not pocket and will disperse.
	4. <i>Evaluation of sources of ignition</i> – A. Demonstrate that there are no electrical sources of ignition or other electrical devices that do not comply with Table 6.23.2.2 ( <i>LP-Gas Code</i> , 2014 edition).
	B. Demonstrate that there are no other sources of ignition (spark-producing tools, lit smoking materials, stored or accumulated flammable materials, etc.) present or brought into the area regularly.
	C. Description of signs and administrative controls to prevent introduction of sources of ignition may be appropriate.
	5. <i>Evaluation of releases from the tank and piping</i> – Consideration of the following concerns and how they have been assured to comply: <ul style="list-style-type: none"> <li>○ <b>Relief valve concerns:</b> <ul style="list-style-type: none"> <li>A. Is the discharge from the relief valve(s) directed upward and unobstructed to the open air?</li> <li>B. Is placement of the relief valve relative to a cover over the tank such that the valve discharge cannot be deflected?</li> <li>C. If piping is used to direct relief valve discharges through the cover, is the discharge opening of the relief valve designed and intended to have discharge piping?</li> <li>D. If piping from the relief valve has been used, has it been designed so that it does not restrict the flow amount from the relief valve?</li> </ul> </li> <li>○ <b>Other piping concerns:</b> <ul style="list-style-type: none"> <li>E. Is piping routed so that a break would not direct the escaping fuel toward the tank?</li> </ul> </li> </ul>

	<p>F. Have other features that would redirect escaping fuel or flames toward the tank been eliminated?</p>
	<p>6. <i>Evaluation of enclosure to hinder application of cooling water</i> – The local emergency responders (fire department) or fire marshal must provide a written statement that enclosures over or around the tank(s) <b>will not hinder their application of cooling water to the tank(s)</b>. (A statement that they can fight a fire at the site is not sufficient.)</p> <ul style="list-style-type: none"> <li>○ <b>The statement must include:</b> <ul style="list-style-type: none"> <li>A. business name and address of the site evaluated</li> <li>B. date</li> <li>C. evaluator printed name</li> <li>D. evaluator signature</li> <li>E. evaluator position</li> <li>F. contact information for the fire marshal, fire chief, or other responsible fire service official.</li> <li>G. Statement that enclosures will not interfere with application of cooling water to tank(s).</li> <li>H. Use of the evaluator's organization letterhead would be beneficial but is not required.</li> </ul> </li> <li>○ <b>Consideration must be given to the:</b> <ul style="list-style-type: none"> <li>I. Availability of water for applying to the tank and for fighting other fires on the site</li> <li>J. Height of the cover and clearance between tank and cover</li> <li>K. Height of walls near a tank</li> <li>L. Access directions</li> <li>M. Any other features deemed important</li> </ul> </li> </ul>
	<p>7. <i>Evaluation of impeding egress of personnel during an emergency</i> – Does the enclosure meet the egress requirements of section 6.19.4.2? Are there impediments other than a fence that could hinder egress?</p>
	<p>8. <i>Documentation details</i>– Include the name of the submitter and position within the organization, date completed, and contact information.</p>
	<p>9. Legible FPA submitted to Standards office? No faxes.</p>

Notes: