

## Schedule of Burn Building Inspections

### A. Existing Burn Building Prop (Conventional Construction), Class A Fuel

Inspection Type	Requirements
<b>1. Annual</b>	<p>Establish annual inspection to be performed by a licensed professional engineer retained by the locality.</p> <p>Minimum Scope of Annual Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>H. Provide copy of the annual burn building prop inspection report to VDFP for record with copy of data retrieved no later than May 31.</li> </ul>
<b>2. Every Five (5) Years</b>	<p>Establish an independent inspection conducted every five (5) years to be performed by a licensed professional engineer retained by the VDFP.</p> <p>Minimum Scope of Five (5) Year Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. Provide recommendations to the locality on any additional testing to be performed by the locality's licensed professional engineer during their current annual inspection (i.e. destructive testing such as removal and inspection of structure behind linings, coring of slabs and/or walls, etc.).</li> <li>H. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>I. Provide copy of five (5) year burn building prop inspection report to VDFP for record with copies of data retrieved no later than May 31.</li> </ul>
<b>3. Every Ten (10) Years</b>	<p>No separate ten (10) year inspection shall be established. It should be noted that, while the intent of the current edition of the 2007 NFPA 1403 is to provide physical testing of the concrete slabs and walls at the ten (10) year interval, this intent is met and exceeded by charging the independent inspector of the five (5) year inspection with providing recommendations for the testing of structural components.</p>

## Schedule of Burn Building Inspections

### B. Existing Burn Building Prop (Conventional Construction), Class B Fuel

Inspection Type	Requirements
<b>1. Biennial</b>	<p>Establish biennial inspection to be performed by a licensed professional engineer retained by the locality.</p> <p>Minimum Scope of Biennial Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated annually.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>H. Provide copy of the biennial burn building prop inspection report to VDFP for record with copy of data retrieved no later than May 31.</li> </ul>
<b>2. Every Five (5) Years</b>	<p>Establish an independent inspection conducted every five (5) years to be performed by a licensed professional engineer retained by the VDFP.</p> <p>Minimum Scope of Five (5) Year Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. Provide recommendations to the locality on any additional testing to be performed by the locality's licensed professional engineer during their current biennial inspection (i.e. destructive testing such as removal and inspection of structure behind linings, coring of slabs and/or walls, etc.).</li> <li>H. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>I. Provide copy of five (5) year burn building prop inspection report to VDFP for record with copies of data retrieved no later than May 31.</li> </ul>
<b>3. Every Ten (10) Years</b>	<p>No separate ten (10) year inspection shall be established. It should be noted that, while the current edition of the 2007 NFPA 1403 is to provide physical testing of the concrete slabs and walls at the ten (10) year interval, this intent is met and exceeded by charging the independent inspector of the five (5) year inspection with providing recommendations for the testing of structural components.</p>

## Schedule of Burn Building Inspections

### C. Existing Burn Building Prop (Pre-Engineered Metal Building Construction), Class A Fuel

Inspection Type	Requirements
<b>1. Annual</b>	<p>Establish annual inspection to be performed by a licensed professional engineer retained by the locality.</p> <p>Minimum Scope of Annual Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>H. Provide copy of the annual burn building prop inspection report to VDFP for record with copy of data retrieved.</li> </ul>
<b>2. Every Five (5) Years</b>	<p>Establish an independent inspection conducted every five (5) years to be performed by a licensed professional engineer retained by the VDFP.</p> <p>Minimum Scope of Five (5) Year Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. Provide recommendations to the locality on any additional testing to be performed by the locality's licensed professional engineer during their current annual inspection (i.e. destructive testing such as removal and inspection of structure behind linings, coring of slabs, etc.).</li> <li>H. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:                             <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>I. Provide copy of five (5) year inspection report to VDFP for record with copies of data retrieved no later than May 31.</li> </ul>
<b>3. Every Ten (10) Years</b>	<p>No separate ten (10) year inspection shall be established. It should be noted that, while the current edition of the 2007 NFPA 1403 is to provide physical testing of the concrete slabs and walls at the ten (10) year interval, this intent is met and exceeded by charging the independent inspector of the five (5) year inspection with providing recommendations for the testing of structural components.</p>

## Schedule of Burn Building Inspections

### D. Existing Burn Building Prop (Pre-Engineered Metal Building Construction), Class B Fuel

Inspection Type	Requirements
<p><b>1. Biennial</b></p>	<p>Establish biennial inspection to be performed by a licensed professional engineer retained by the locality.</p> <p>Minimum Scope of Biennial Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated annually.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:               <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>H. Provide copy of the biennial burn building prop inspection report to VDFP for record with copy of data retrieved no later than May 31.</li> </ul>
<p><b>2. Every Five (5) Years</b></p>	<p>Establish an independent inspection conducted every five (5) years to be performed by a licensed professional engineer retained by the VDFP.</p> <p>Minimum Scope of Five (5) Year Inspection and Items to be Included in the Report:</p> <ul style="list-style-type: none"> <li>A. Visually observe structural components for distress.</li> <li>B. Visually observe condition of thermal lining within burn rooms.</li> <li>C. Visually observe condition of metal shutters, doors, windows, stairs, and signage.</li> <li>D. Verify all temperature monitoring equipment is functional.</li> <li>E. Verify temperature monitoring equipment has been calibrated within the past 12 months.</li> <li>F. Collect temperature monitoring readouts and usage data for all live fire training evolutions conducted at burn building prop since last inspection.</li> <li>G. Provide recommendations to the locality on any additional testing to be performed by the locality's licensed professional engineer during their current biennial inspection (i.e. destructive testing such as removal and inspection of structure behind linings, coring of slabs and/or walls, etc.).</li> <li>H. As a minimum, reports shall be signed and sealed by a licensed Professional Engineer and shall contain:               <ul style="list-style-type: none"> <li>1. Photos of the observed types of distress.</li> <li>2. Elevations and plans, as required, marked up to adequately show the extent of distress.</li> <li>3. Remedial repair recommendations.</li> <li>4. Order of Magnitude cost estimate for remedial repairs.</li> </ul> </li> <li>I. Provide copy of five (5) year burn building prop inspection report to VDFP for record with copies of data retrieved no later than May 31.</li> </ul>
<p><b>3. Every Ten (10) Years</b></p>	<p>No separate ten (10) year inspection shall be established. It should be noted that, while the current edition of the 2007 NFPA 1403 is to provide physical testing of the concrete slabs and walls at the ten (10) year interval, this intent is met and exceeded by charging the independent inspector of the five (5) year inspection with providing recommendations for the testing of structural components.</p>

## Schedule of Burn Building Inspections

### E. New Construction/Renovation Burn Building Prop, Class A or B Fuel

<b>Inspection Type</b>	<b>Requirements</b>
<b>1. Initial</b>	Prior to construction, the A/E firm retained by locality who is responsible for the burn building propr design shall submit preliminary drawings to the VDFP for review by VDFPs consultant for confirmation of the minimum requirements of the burn building prop prototype.
<b>2. At Completion of Construction</b>	Inspection to be performed by VDFP personnel. Minimum Scope of Completion Inspection: <ul style="list-style-type: none"><li>A. Obtain letter from A/E firm of record indicating that burn building prop facility was constructed/renovated per the approved construction drawings.</li><li>B. Review new facility utilizing the VDFP New Burn Building Prop Checklist.</li><li>C. Perform live fire burn in each burn room to verify that all components of the burn room, ventilation, temperature monitoring system and/or fuel delivery system (if equipped) are functioning.</li><li>D. Verify calibration of temperature monitoring system.</li><li>E. Review proposed usage data logs and signage.</li></ul>