General Industry Standards Written Program Requirements

TOSHA believes this information to be accurate and delivers it as a community service. As such, it cannot apply to every specific fact or situation; nor is it a substitute for any provisions of 29 CFR Part 1910 of the Occupational Safety and Health Standards as adopted by the Tennessee Department of Labor and Workforce Development or of the Occupational Safety and Health Rules of the Tennessee Department of Labor and Workforce Development.

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<tr>
<td>Emergency Action Plans</td>
<td>1910.38</td>
<td>Evacuation due to emergencies</td>
<td>Yes, unless there are 10 or fewer employees</td>
<td>As necessary</td>
<td>1. Emergency escape procedures</td>
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<td>2. Escape route assignments</td>
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<td>3. Procedures for critical plan operations shutdown</td>
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<td>4. Procedures to account for employees</td>
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<td>5. Rescue and medical duties</td>
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<td>6. Means of reporting fires and other emergencies</td>
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<td>7. Names and job titles of contact person</td>
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<td>Hearing Conservation</td>
<td>1910.95</td>
<td>Exposure above 85 dBA for 8 hour TWA</td>
<td>No</td>
<td>As necessary</td>
<td>1. Monitoring of noise levels</td>
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<td>2. Annual audiometric testing</td>
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<td>3. Hearing protection</td>
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<td>4. Training</td>
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<td>Process Safety Management</td>
<td>1910.119</td>
<td>1. Presence of chemical above the threshold quantity</td>
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<td>2. Presence of flammable chemical or gas in excess of 10,000 lbs</td>
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<td>3. Manufacture of explosives or pyrotechnics</td>
<td>Yes</td>
<td>As necessary</td>
<td>Procedures for:</td>
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<td>1. Employee participation</td>
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<td>2. Compilation of process safety information</td>
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<td>3. Process hazard analysis</td>
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<td>4. Operating procedures</td>
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<td>5. On-going integrity of process equipment</td>
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<td>6. Management of change</td>
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<td>7. Incident investigation</td>
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<td>8. Emergency planning and response</td>
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| Emergency Response Plans               | 1910.120    | Possibility of uncontrolled release of a hazardous chemical          | Yes      | As necessary | 1. Pre-emergency planning  
2. Coordination with outside parties  
3. Personnel roles  
4. Emergency recognition and prevention  
5. Safe distances and places of refuge  
6. Site security and control  
7. Evacuation routes and procedures  
8. Decontamination  
9. Emergency medical treatment procedures  
10. Emergency alerting and response procedures  
11. Critiques of response and follow-up  
12. PPE and emergency equipment        |
| Respiratory Protection                 | 1910.134    | Respirators are required to be worn; overexposure, possible overexposure, unknown atmosphere | Yes, unless is voluntary use of filtering facepiece | Regularly | Procedures for:  
1. Selection  
2. Medical evaluations  
3. Fit testing  
4. Proper use in routine situations and emergencies  
5. Maintenance, and schedule  
6. Ensuring air quality, quantity and flow for atmosphere-supplying respirators  
7. Training: hazards and proper use  
8. Regular evaluations of effectiveness |
| Permit-Required Confined Spaces        | 1910.146    | Employees will enter permit spaces                                   | Yes      | Within 1 year of each entry or annually | Procedures for:  
1. Preventing unauthorized entry  
2. Identify and evaluating hazards  
3. Safe permit entry operations  
4. Provision of equipment  
5. Evaluating permit space conditions  
6. Provision of attendant(s)  
7. Attending multiple spaces, is applicable  
8. Identifying authorized entrants, attendants, entry supervisors, persons who monitor, etc.  
9. Summoning rescue and emergency services |
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<tr>
<td>Permit-Required Confined Spaces</td>
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<td>and rescuing entrants and rescuing entrants</td>
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<td>10. Preparation, issuance, use, and cancellation of entry permits</td>
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<td>11. Coordinating entry operations where employees or more than one employee is involved</td>
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<td>12. Concluding the entry</td>
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<td>13. Reviewing entry operations</td>
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<td>Lockout/Tagout</td>
<td>1910.147</td>
<td>Unexpected energization or start up of machine or equipment or release of stored energy could cause injury</td>
<td>Yes</td>
<td>At least annually</td>
<td>1. Energy control procedures</td>
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<td>a. Scope, purpose, authorization, rules, techniques to be used to control hazardous energy</td>
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<td>b. Means to enforce compliance</td>
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<td>c. Statement of intended use of the procedure</td>
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<td>d. Specific procedural steps for shutting down, isolating, blocking and securing machines or equipment to control hazardous energy</td>
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<td>e. Specific procedural steps for placement, removal and transfer of lockout or tagout devices and the responsibility for them</td>
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<td>f. Specific requirements for testing a machine or equipment to determine and verify effectiveness of lockout/tagout devices, etc.</td>
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<td>Fire Brigades</td>
<td>1910.156</td>
<td>When the employer chooses to establish a fire brigade</td>
<td>Yes—Organizational statement</td>
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<td>1. Basic organizational structure</td>
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<td>2. Type, amount and frequency of training provided to members</td>
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<td>3. Expected number of members</td>
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<td>4. Function of the brigade</td>
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<td>Grain Handling Facilities</td>
<td>1910.272</td>
<td>In grain elevators, feed mills, flour mills, rice mills, dust palletizing plants, dry corn mills, soybean flaking operations, and dry grinding operations of soycake</td>
<td>Yes—</td>
<td></td>
<td>1. Emergency action plan – see 1910.38</td>
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</table>
| Asbestos                | 1910.1001  | a. When the TWA and/or excursion limit is exceeded
(PELs=8 hr TWA of 0.1 fiber/cc and 30 min excursion limit of 1 fiber/cc)  
b. When respirator use is required | Yes—     |               | a. Compliance Program  
How the employer will reduce employee exposure to below the TWA and excursion limit using engineering and work practice controls  
b. See 1910.134 |
| Vinyl Chloride          | 1910.1017  | a. When exposures exceed the PEL (PELs=8 hr TWA of 1 ppm and 15 min STEL of 5 ppm)  
b. When respirator use is required | Yes—     | Annually      | a. Compliance Program  
How the employer will reduce employee exposure to below the permissible exposure limits or to the greatest extent feasible using engineering and work practice controls  
b. See 1910.134 |
| Inorganic Arsenic       | 1910.1018  | a. When exposures exceed the PEL (PEL=8hr TWA of 10 µg/m³)  
b. When respirator use is required | Yes—     | Annually      | a. Compliance program  
1. Description of each operation in which inorganic arsenic is emitted  
2. Engineering plans and studies used to determine methods for controlling exposure  
3. A report of the technology considered in meeting the permissible exposure limit  
4. Air monitoring data  
5. A schedule for implementation of engineering and work practice controls  
b. See 1910.134 |
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| Lead    | 1910.1025  | a. When exposures exceed the PEL (PEL=$8hr$ TWA of 50 µg/m$^3$) | Yes | At least annually | a. Compliance program  
1. Description of each operation in which lead is emitted  
2. Description of specific means to be used to achieve compliance  
3. A report of the technology considered in meeting the permissible exposure limit  
4. Air monitoring data  
5. A schedule for implementation of the program including documentation  
6. A work practice program  
7. An administrative control schedule, if applicable  
b. See 1910.134 |
|         |            | b. When respirator use is required |       |               |          |
| Cadmium | 1910.1027  | a. When exposures exceed the PEL (PEL=$8hr$ TWA of 5 µg/m$^3$) | Yes | At least annually | a. Compliance program  
1. Description of each operation in which cadmium is emitted  
2. Description of specific means to be used to achieve compliance  
3. A report of the technology considered in meeting the permissible exposure limit  
4. Air monitoring data  
5. A schedule for implementation of the program including documentation  
6. A work practice program  
7. A written plan for emergency situations  
b. See 1910.134 |
|         |            | b. When respirator use is required |       |               |          |
| Benzene | 1910.1028  | a. When exposures exceed the PEL (PEL=$8hr$ TWA of 1 ppm) | Yes | As appropriate based on most recent air monitoring | a. Compliance program  
1. How the employer will reduce employee exposure to below the permissible exposure limit using engineering and work practice controls  
2. A schedule for development and implementation of engineering and work practice controls  
b. See 1910.134 |
<p>|         |            | b. When respirator use is required |       |               |          |</p>
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| Coke Oven Emissions         | 1910.1029  | a. When exposures exceed the PEL *(PEL=8hr TWA of 150 µg/m³)*  
 b. When respirator use is required | **Yes**—         | At least annually | a. Compliance program  
 b. Respirator program  
 1. A description of each coke oven operation by battery  
 2. Engineering plans and other studies used to determine the controls  
 3. A report of the technology considered in meeting the permissible exposure limit  
 4. Air monitoring data  
 5. A schedule for implementation of the engineering and work practice controls  
 b. See 1910.134 |
| Bloodborne Pathogens        | 1910.1030  | Exposure to blood and/or body fluids; first-aid responder           | **Yes**           | At least annually | 1. Exposure determination  
 2. Methods of compliance procedures  
 3. HBV vaccinations procedures  
 4. Post-exposure evaluation and follow-up procedures  
 5. Labeling procedures  
 6. Training procedures  
 7. Recordkeeping  
 8. Evaluation of circumstances of exposure incident  
 9. Type and brand of device in use when exposure incident occurred  
 b. See 1910.134 |
| Cotton Dust                 | 1910.1043  | a. When exposures exceed the PEL *(PEL=8hr TWA of 200 µm³)*  
 b. When respirator use is required | **Yes**—         | When necessary   | a. Compliance program  
 b. Respirator program  
 1. A description of each coke oven operation by battery  
 2. Engineering plans and other studies used to determine the controls  
 3. A report of the technology considered in meeting the permissible exposure limit  
 4. Air monitoring data  
 5. A schedule for implementation of the engineering and work practice controls  
 b. See 1910.134 |
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| 1,2-Dibromo-3-Chloropropane (DBCP)                                      | 1910.1044   | a. When exposures exceed the PEL \(PEL=8\text{hr TWA of }1\text{ppb}\) b. When respirator use is required | **Yes**—  
  a. Compliance program  
  b. Respirator program | At least annually       | a. Compliance program  
  A schedule for implementation of the engineering and work practice controls  
  b. See 1910.134       |
| Acrylonitrile                                                          | 1910.1045   | a. When exposures exceed the PEL \(PEL=8\text{hr TWA of }2\text{ppm and a }15\text{ min ceiling of }10\text{ ppm}\) b. When respirator use is required | **Yes**—  
  a. Compliance program  
  b. Respirator program | At least annually       | a. Compliance program  
  1. A description of each operation or process resulting in exposure to acrylonitrile above the PELs  
  2. An outline of the nature of the engineering controls and work practice controls to be applies  
  3. A report of the technology considered in meeting the PELs  
  4. A schedule of implementation of engineering and work practice controls  
  b. See 1910.134       |
| Ethylene Oxide                                                         | 1910.1047   | a. When exposures exceed the PEL \(PEL=8\text{hr TWA of }1\text{ppm and a }15\text{ min excursion limit of }5\text{ ppm}\) b. When respirator use is required | **Yes**—  
  a. Compliance program  
  b. Respirator program | At least annually       | a. Compliance program  
  1. How the employer will reduce employee exposure to below the PELs using engineering controls, work practice controls, and respiratory protection  
  2. A schedule for periodic lead detection surveys  
  3. Plan for emergency situations  
  b. See 1910.134       |
| Formaldehyde                                                           | 1910.1048   | a. When exposure to formaldehyde occurs b. When respirator use is required | **Yes**—  
  a. Hazard communication program  
  b. Respirator program | Regularly                | a. See 1910.1200  
  b. See 1910.134       |
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| Methyleledaniline (MDA) | 1910.1050 | a. When exposures exceed the PEL (PEL=8hr TWA of 10 ppb and a 15 min STEL of 100 ppb) | Yes — | At least annually | a. Compliance program  
1. How the employer will reduce employee exposure to below the PELs using engineering controls, work practice controls, and respiratory protection  
2. A schedule for periodic maintenance  
b. See 1910.134  
c. Emergency plan  
1. Personal protective equipment and clothing provided to those involved in correcting emergency conditions  
2. Provisions for alerting and evacuating affected employees  
3. Elements in 1910.38 and 1910.39 |
| 1,3 Butadiene | 1910.1051 | a. When exposures exceed the PEL (PEL=8hr TWA of 1 ppb and a 15 min STEL of 5 ppb)  
b. When respirator use is required | Yes — | At least annually | a. Compliance program  
1. How the employer will reduce employee exposure to below the PELs using engineering controls, work practice controls, and respiratory protection  
2. A schedule for the development and implementation of the engineering controls and work practice controls including periodic leak detection surveys  
b. See 1910.134 |
| Hazard Communication | 1910.1200 | Exposure to hazardous chemicals | Yes | As necessary | 1. Hazard determination  
2. List of hazardous chemicals  
3. Labeling of hazardous chemicals  
4. MSDS policy  
5. Training policies  
6. Methods used to inform employees of hazards of non-routine tasks  
7. Multi-employer activity procedures |
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| Occupational Exposure to Hazardous Chemicals in Laboratories | 1910.1450  | When employees use hazardous chemicals on a “laboratory scale” | Yes— Chemical hygiene plan | At least annually | 1. Standard operating procedures  
2. Criteria used to determine and implement control measures to limit exposure to hazardous chemicals  
3. Procedures to ensure proper and adequate performance of fume hoods and other protective equipment  
4. Circumstances under which a particular laboratory operation, procedure, or activity shall require prior approval before implementation  
5. Provisions for medical consultation and medical examinations  
6. Designation of personnel responsible for implementation of the plan  
7. Assignment of a Chemical Hygiene Officer  
8. Provisions for additional employee protection for working with particularly hazardous substances |

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