



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.

Subject	Standard #	When	Written?	Review/ Update	Contents
Emergency Action Plans	1910.38	Evacuation due to emergencies	Yes, unless there are 10 or fewer employees	As necessary	<ol style="list-style-type: none"> 1. Emergency escape procedures 2. Escape route assignments 3. Procedures for critical plan operations shutdown 4. Procedures to account for employees 5. Rescue and medical duties 6. Means of reporting fires and other emergencies 7. Names and job titles of contact person
Hearing Conservation	1910.95	Exposure above 85 dBA for 8 hour TWA	No	As necessary	<ol style="list-style-type: none"> 1. Monitoring of noise levels 2. Annual audiometric testing 3. Hearing protection 4. Training
Process Safety Management	1910.119	<ol style="list-style-type: none"> 1. Presence of chemical above the threshold quantity 2. Presence of flammable chemical or gas in excess of 10,000 lbs 3. Manufacture of explosives or pyrotechnics 	Yes	As necessary	Procedures for: <ol style="list-style-type: none"> 1. Employee participation 2. Compilation of process safety information 3. Process hazard analysis 4. Operating procedures 5. On-going integrity of process equipment 6. Management of change 7. Incident investigation 8. Emergency planning and response

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Emergency Response Plans	1910.120	Possibility of uncontrolled release of a hazardous chemical	Yes	As necessary	<ol style="list-style-type: none"> 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	<p>Procedures for:</p> <ol style="list-style-type: none"> 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	<p>Procedures for:</p> <ol style="list-style-type: none"> 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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Permit-Required Confined Spaces					and rescuing entrants 10. Preparation, issuance, use, and cancellation of entry permits 11. Coordinating entry operations where employees or more than one employee is involved 12. Concluding the entry 13. Reviewing entry operations
Lockout/tagout	1910.147	Unexpected energization or start up of machine or equipment or release of stored energy could cause injury	Yes	At least annually	1. Energy control procedures <ol style="list-style-type: none"> a. Scope, purpose, authorization, rules, techniques to be used to control hazardous energy b. Means to enforce compliance c. Statement of intended use of the procedure d. Specific procedural steps for shutting down, isolating, blocking and securing machines or equipment to control hazardous energy e. Specific procedural steps for placement, removal and transfer of lockout or tagout devices and the responsibility for them f. Specific requirements for testing a machine or equipment to determine and verify effectiveness of lockout/tagout devices, etc. 2. Employee training 3. Periodic inspections
Fire Brigades	1910.156	When the employer chooses to establish a fire brigade	Yes— Organizational statement		1. Basic organizational structure 2. Type, amount and frequency of training provided to members 3. Expected number of members 4. Function of the brigade

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Grain Handling Facilities	1910.272	In grain elevators, feed mills, flour mills, rice mills, dust palletizing plants, dry corn mills, soybean flaking operations, and dry grinding operations of soycake	Yes— a. Emergency action plan b. Housekeeping program		1. Emergency action plan – see 1910.38 2. Housekeeping program a. Frequency and b. Methods to reduce accumulations of dust on ledges, floors, equipment, and other surfaces.
Asbestos	1910.1001	a. When the TWA and/or excursion limit is exceeded (<i>PELs=8 hr TWA of 0.1 fiber/cc and 30 min excursion limit of 1 fiber/cc</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	As necessary to reflect significant changes	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 (<i>PELs=8 hr TWA of 1 ppm and 15 min STEL of 5 ppm</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	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 (<i>PEL=8hr TWA of 10 $\mu\text{g}/\text{m}^3$</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	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 exposure limit (<i>PEL=8hr TWA of 50 $\mu\text{g}/\text{m}^3$</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	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
Cadmium	1910.1027	a. When exposures exceed the PEL (<i>PEL=8hr TWA of 5 $\mu\text{g}/\text{m}^3$</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	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 work practice program 6. A written plan for emergency situations b. See 1910.134
Benzene	1910.1028	a. When exposures exceed the PEL (<i>PEL=8hr TWA of 1 ppm</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	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

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Coke Oven Emissions	1910.1029	a. When exposures exceed the PEL (<i>PEL=8hr TWA of 150 $\mu\text{g}/\text{m}^3$</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	At least annually	a. Compliance 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 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
Cotton Dust	1910.1043	a. When exposures exceed the PEL (<i>PEL=8hr TWA of 200 of lint-free respirable dust $\mu\text{g}/\text{m}^3$</i>) b. When respirator use is required	Yes— a. Compliance program b. Respirator program	When necessary	a. Compliance 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 (<i>PEL=8hr TWA of 1ppb</i>) 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 (<i>PEL=8hr TWA of 2 ppm and a 15 min ceiling of 10 ppm</i>) 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 applied 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 (<i>PEL=8hr TWA of 1 ppm and a 15 min excursion limit of 5 ppm</i>) 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	<p>a. When exposures exceed the PEL (<i>PEL=8hr TWA of 10 ppb and a 15 min STEL of 100 ppb</i>)</p> <p>b. When respirator use is required</p> <p>c. When there is possibility of an emergency involving MDA</p>	<p>Yes —</p> <p>a. Compliance program</p> <p>b. Respiratory program</p> <p>c. Emergency plan</p>	At least annually	<p>a. Compliance program</p> <ol style="list-style-type: none"> How the employer will reduce employee exposure to below the PELs using engineering controls, work practice controls, and respiratory protection A schedule for periodic maintenance <p>b. See 1910.134</p> <p>c. Emergency plan</p> <ol style="list-style-type: none"> Personal protective equipment and clothing provided to those involved in correcting emergency conditions Provisions for alerting and evacuating affected employees Elements in 1910.38 and 1910.39
1,3 Butadiene	1910.1051	<p>a. When exposures exceed the PEL (<i>PEL=8hr TWA of 1 ppb and a 15 min STEL of 5 ppb</i>)</p> <p>b. When respirator use is required</p>	<p>Yes—</p> <p>a. Compliance program</p> <p>b. Respiratory program</p>	At least annually	<p>a. Compliance program</p> <ol style="list-style-type: none"> How the employer will reduce employee exposure to below the PELs using engineering controls, work practice controls, and respiratory protection A schedule for the development and implementation of the engineering controls and work practice controls including periodic leak detection surveys <p>b. See 1910.134</p>
Hazard Communication	1910.1200	Exposure to hazardous chemicals	Yes	As necessary	<ol style="list-style-type: none"> Hazard determination List of hazardous chemicals Labeling of hazardous chemicals MSDS policy Training policies Methods used to inform employees of hazards of non-routine tasks 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	<ol style="list-style-type: none"> 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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